

SURE

- Release Notes**
- Release Letter**

Release 90.6

November 30, 2019

ITSforSURE

IT Services & Solutions for SURE

www.itsforsure.nl

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1 Notes for the SURE 90.6 release of November 30, 2019

This document describes the major changes accomplished in all 90.x releases of the SURE software. The previous release was 80.3 (July 2012).

1.1 Introduction

The biggest change in this release is that we created 'SURE backend on Windows'. There are now three ways to work with SURE:

- Program RIS/MENU with the remote file screens (supported since 1986)
- The SUREforWindows GUI in combination with the SURE backend on MCP (supported since 1999)
- The SUREforWindows GUI in combination with the SURE backend on Windows (new since 2014)

The SURE backend on Windows runs on the Windows platform and uses an SQL-server repository. It works the same as the SURE backend on MCP, but there is only full support for PC files (for example MicroFocus COBOL, C++, Java, et cetera) and not for MCP-sources (MCP sources can only be loaded for reference purposes). MCP specific functionality is also omitted (for example MCP file/task attributes, print system, userdata file, et cetera).

Chapter 4 gives the complete overview of all changes that we made in release 90. Tasks that are only applicable for the SURE backend on Windows are marked as such. All other tasks are applicable for both backends or for the SUREforWindows GUI.

Details about the installation and use of SURE backend on Windows can be found in document 'SURE backend on Windows – reference guide'.

1.2 Migration

Overview of previous releases:

Release	Release date	Migration	Data conversion	Database reorganization
70.1	June 10, 2008	60.x → 70.1	Yes	No
80.3	July 5, 2012	70.1 → 80.3	Yes	No
90.6	December 31, 2018	80.3 → 90.6	Yes	No

Currently the software is compiled with the MCP-581 compilers and the MCP-591 compilers. You may encounter problems if you are running on a MCP level older than 581.

Each new release provides new features in the software. It is our intention to implement these new features seamless with the existing features and procedures. However, in some cases it is necessary to perform a database-reorganization and/or a data conversion.

- The last database reorganization was with release 50.0 in December 2001.
- The last previous repository-data-conversion was with release 80.3 in July 2012.

Programs of two successive releases are NOT (fully) compatible if a reorganization or conversion is necessary to migrate from one release to the other.

Release 90.x contains many data conversions. A major task in this release is that we developed the new SURE backend on Windows. The new Windows backend makes it possible to setup a SURE SCM environment that runs completely independent of the MCP platform. The Windows backend is an exact copy of the MCP backend, and that required many data conversions. See also paragraph Task-0105-RIS.

In some cases, it can be inconvenient for a site to install a new release, and then the site may decide to skip a release and to wait for a next release. It is obvious that the required data-conversions and database reorganizations cannot be skipped. These conversions and reorganizations will automatically be executed in the correct order when a new software release is installed.

The following table shows how to migrate from one release to another:

From	To	How
70.x or 80.x	90.6	<p>Run the next 4 programs:</p> <p>RUN RESPECT/REPOSITORY/80 ("SET-REPOSITORY-LEVEL 80.3");</p> <ul style="list-style-type: none"> - This does some final data conversions that belong to release 80 - Change all timestamps from time(7) layout to internal layout - Change all rel-values to integers - Convert REAL values in info to ebcdic numeric strings <p>RUN RESPECT/REPOSITORY ("SET-REPOSITORY-LEVEL 90.6");</p> <ul style="list-style-type: none"> - This does the data conversions that belong to release 90 - Set the repository level to 90.6 - Change ROOT relations of PC files to ROOT-PC - Convert the task reference and the short description - Add FIRST relations <p>RUN RESPECT/REPOSITORY ("LOAD-MESSAGES E");</p> <ul style="list-style-type: none"> - This loads new and changed error messages <p>RUN RESPECT/REPOSITORY ("LOAD-FORMATS E");</p> <ul style="list-style-type: none"> - This loads changed screens (used by OBJECT/RIS/MENU)

The standard installation procedure via RESPECT/SETUP with program RIS/INSTALL and job WFL/RIS/INSTALL performs the correct data conversions.

The complete upgrade to release 90 may take quite some time (up to 10 hours), depending on the content of your repository.

1.3 Installing the mainframe software

Before you start with the installation, we advise you to:

- Read the list with solved tasks.
- Contact ITSforSURE, to make sure that we are available for support.

1.3.1 Install new objects and upgrade/create a repository

This procedure performs the following actions:

- Copy the objects from the container file and install them in the correct object-location
- Do the necessary data conversions in the repository
- Load the new screens and messages in the repository (these are used by the mainframe software)

Read document "Installation of SURE.doc". This document gives detailed information about the installation procedure.

Log on to Cande with a usercode that is equal to the usercode of the repository that you want to create or upgrade (So, if you want to create/upgrade a repository under usercode XYZ then log on to Cande with usercode XYZ).

The MCP software is delivered via a wrapped and zipped container file:

- The name of the container file contains the MCP version and the SURE version:
 - o Container file SURE90MCP561 contains the SURE objects of release 90 that run on the MCP. The objects are compiled with the MCP-56.1 compilers with a DMS-56.1 version of the INFDB-descriptionfile.
- Choose the correct containerfile based on your current MCP level.
 - o If your current MCP level is 56.1 or 57.1 then use container file SURE90MCP561
 - o If your current MCP level is 58.1 or 59.1 then use container file SURE90MCP581
- The container file must be downloaded from the Internet.
- File transfer the container file to the mainframe with binary FTP
- Unwrap the container file with restriction = false. The files are placed on disk under usercode INFRA.

Start the installation as follows:

- DO (INFRA)RESPECT/SETUP ON <install-pack>("<install-pack>(PACK)")

The installation procedure is well described in the installation document.

RESPECT/SETUP initiates the installation program where the following questions have to be answered:

- Do you want to install: a new repository or upgrade an existing one.
- What objects do you want to install: the RESPECT software, the SURE Explorer interface or both?
- Where do you want to install the objects?
- What are the database family, the dmsupport family and the auditfile family?
- What is your current DMSII release level?
- What is the repository environment?

Read paragraph Task-0272-SURE (further in this document) for the detailed steps how to upgrade your repository to release 90.6

1.4 Compatibility

Please refer to the list of frequently asked question on our website www.itsforsure.nl for the last remarks about compatibility.

1.4.1 Database compatibility

The Download Website contains two wrapped container files with SURE mainframe software. The only difference between these three container files is that the software is compiled with different versions of the ALGOL compiler and different versions of the INFDB description file. The layout of database INFDB is not changed December 2001. The only different between the description file versions is that they are compiled with different versions of the DASDL compiler.

Container file	Compilers	DESCRIPTION/INFDB
SURE90MCP561	MCP 561 algol compilers	Created with dasdl compiler of MCP 561
SURE90MCP581	MCP 581 algol compilers	Created with dasdl compiler of MCP 581

We upgrade the original INFDB description file for each MCP release and keep the upgraded description file as RELEASE/DESCRIPTION/INFDB/INFRA/DMSxx

This sequence of original description files is also added to the release container file:

```

LFILE (INFRA)RELEASE/DESCRIPTION: RELEASEID
#RUNNING 6936
#?
ON IDR
(INFRA): DIRECTORY
. RELEASE: DIRECTORY
. . DESCRIPTION: DIRECTORY
. . . INFDB: DIRECTORY
. . . . INFRA: DIRECTORY
. . . . . DMS55 : DASDLDATA RELEASEID="INFDB_2_DMS551"
. . . . . DMS56 : DASDLDATA RELEASEID="INFDB_2_DMS561"
. . . . . DMS57 : DASDLDATA RELEASEID="INFDB_2_DMS571"
. . . . . DMS58 : DASDLDATA RELEASEID="INFDB_2_DMS581"
. . . . . DMS59 : DASDLDATA RELEASEID="INFDB_2_DMS591"

```

The layout of the INFDB is not changed, so there is no database reorganization required. That means that an object which is compiled against the MCP-56 version of the descriptionfile, still runs when the database is upgraded to MCP-57. Therefore, it is not immediately necessary to recompile all objects when a customer upgrades his INFDB. On the other hand: Unisys does not support very old MCP-versions. That is why we change the description file for our compilations about every two-year: often enough to avoid Unisys de-implementation warnings, but not too often, so that our software stays a long time compatible with the INFDB's of the customers.

The MCP version of the INFDB description file that we use for our compilations is always a bit older then the MCP version of our compilers, because the compiled SURE software is delivered to many customers, each with their own MCP and DMS versions.

Notice that the container file SURE90MCP561 contains SURE software that is compiled with a MCP-56 version of the descriptionfile. To run this software it is required that your INFDB is upgraded to MCP level 56.1 or 57.1.

The delivered SURE software may fail with DMS-VERSIONERROR when you run it. In that case, it is necessary to do a 'dummy' database upgrade of your INFDB to make your database available for our newly compiled software. Please refer to the SURE manual chapter 9.2.3 '(installation) SURE objects and database compatibility' for a detailed explanation why you get the version error and how to fix this.

1.4.2 Compatibility with MCP releases

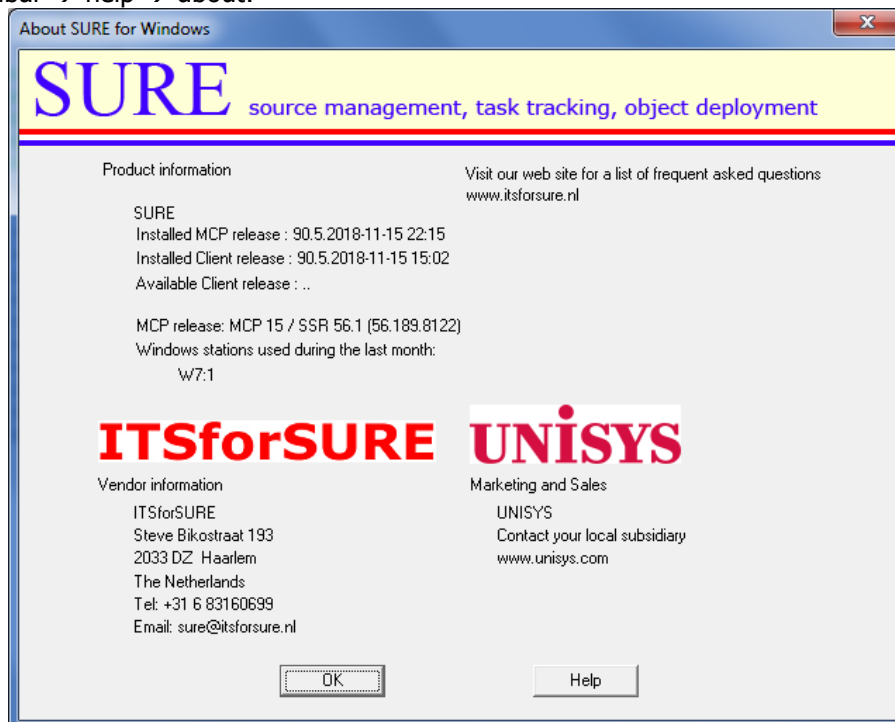
TASK-0664-SURE: Job WFL/<environment>/PC-SESSION for "Local Compilations started by a developer" is updated to avoid a Unisys deimplementation warning.

1.4.3 Compatibility with previous SURE releases

The software consists of the following parts:

1. SURE client software.
2. SURE Explorer interface on the mainframe.
3. Other SURE mainframe software.

The release number of your installed software is found in the SUREforWindows Explorer, via toolbar → help → about:



The above example screen shows two release numbers:

- The release number of the MCP software (90.5 compiled at Nov 15, 2018 at 22h15)
- The release number of the client software (90.5 built at Nov 15, 2018 at 15h02)

Both release numbers (MCP and client) consist of three parts:

1. The major release number (in this case 90)
 - We do not do any database reorganization or any data conversion inside the repository as long as the major release number remains the same.
 - There can be a database reorganization or data conversion between two major releases.
2. The minor release number (in this case 5)
 - The minor release number guards the compatibility between the client and server within a major release.
 - Sometimes we must make a modification on the client side and on the server side to solve an issue, and then we upgrade the minor release number.
 - In other cases, we only have to modify something on the client side or on the mainframe side, and then the minor release number is not raised.

3. The compile/build timestamp.
 - The timestamps are the moments of the compilation of the mainframe software and the build of the client software.

The client software is compatible with the MCP software if the major and minor release numbers are equal.

Compatibility of the Client software:

The SURE client software is only compatible with the SURE explorer interface on the mainframe if the major release number and the minor release number are equal.

Please refer to chapter Sure-1902 for more details about the compatibility between the client software and the mainframe software, and for an explanation of the automatic upgrade feature of the client software.

Compatibility of the Mainframe:

SURE on the mainframe consists of three parts:

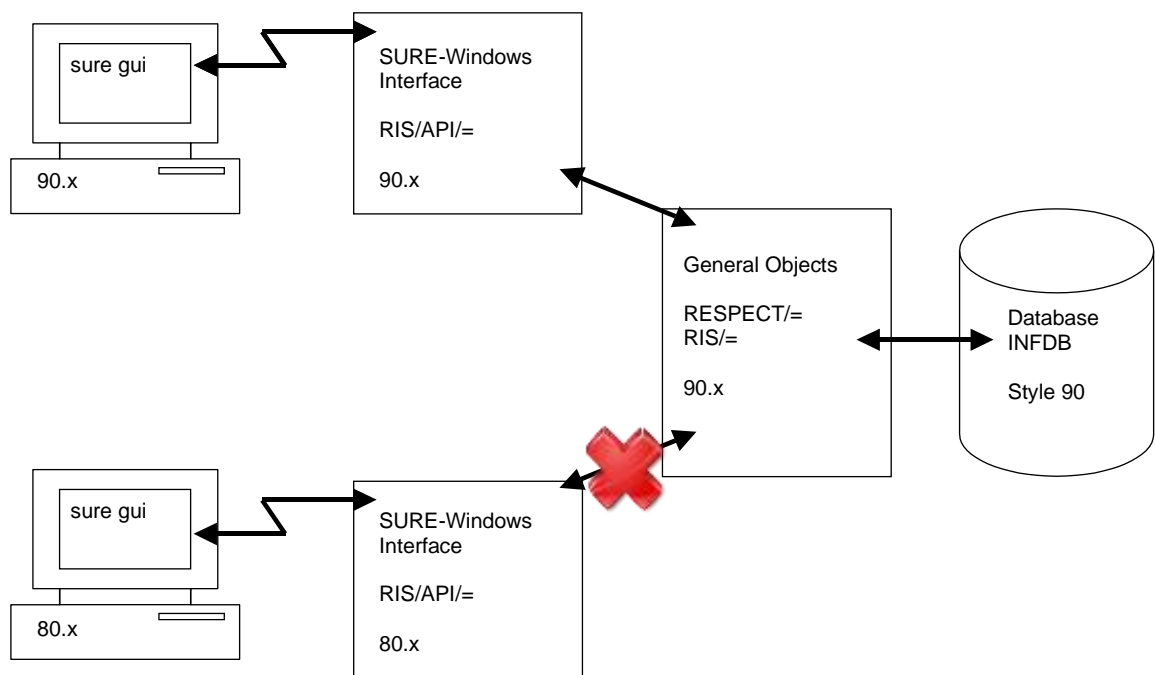
- Database INFDB
- The SURE Explorer interface (OBJECT/RIS/API/=)
- The general objects (OBJECT/RESPECT/= and OBJECT/RIS/=)

The style of database INFDB is set by program RESPECT/REPOSITORY ("UPGRADE-REPOSITORY")

The following compatibility rules apply:

- A 90 style INFDB is ***only*** compatible with the 90.x general objects.
- The 90.x general objects are ***only*** compatible with the 90.x SURE-Windows interface.
- The 90.x SURE Windows interface is ***only*** compatible with the 90.x SUREforWindows GUI.

The following picture shows the compatibility:



So, it is not possible to run a SURE-80 program against a 90-style INFDB.

1.5 Upgrading the SURE software to release 90.x

There are several ways to upgrade to a newer release. Please read the installation manual for details. The preferred method is as follows:

Upgrade of the SURE mainframe software and the repository:

- ?DISABLE the SURE Explorer interface on the mainframe
- Install the new SURE Explorer interface software on the mainframe **under the same usercode and with the same port-number** as where the old SURE Explorer interface software is resident. This overwrites the old SURE Explorer interface on the mainframe.
- Install the new general objects, and upgrade database INFDB to style 90 using the installation job WFL/RIS/INSTALL.
- Install the new client software on each workstation with an **upgrade installation**. This overwrites the old client software on the workstation.
- When all workstations are upgraded: ?ENABLE the SURE Explorer interface on the mainframe.

Automatic upgrade of the workstations

- Please refer to chapter Sure-1902 for an explanation of the automatic upgrade feature of the client software.
- The automatic upgrade feature of the client software checks the current version of the client software with the available version of the client software. If both versions are not the same, an installation screen is presented.

2 Release letter

A full list of all tasks that are solved during this release can be found at the end of this document.

2.1 Detailed descriptions of most important new features, release 90.x

This paragraph gives examples and details about the most important new features that were solved during this release.

The following information is given per task:

- Task description + detailed description
 - This describes the new feature plus the reason why the feature was implemented.
- Examples
- Optional: Technical details and considerations
 - This describes compatibility issues and gives tips and hints.

Sure-1902 SURE triggers new installation according to versions.

Detailed information

Updating the SURE client software may require effort when having a large network. For this reason, SURE supports different styles of installation:

- a) Local client installation on each applicable workstation
- b) Server based installation with personalized options
- c) Full server installation.

Server installations (options b and c)

In the case of a server installation, the SURE PC-software is placed on a central server that is accessed by the workstations of the developers. Because of this central installation, a software update is reasonable easy to install for the first time. Upgrading a server installation to a newer SURE release is cumbersome.

The trade off for a server installation is that the network throughput must be sufficient (100KBS). It does not support wide area networks with a low bandwidth.

Local client installations (option a)

In the case of a local client installation, the SURE-PC-software is placed on the workstation of a developer. Installing the SURE PC-software as a local client is very easy for initial and upgrade installations.

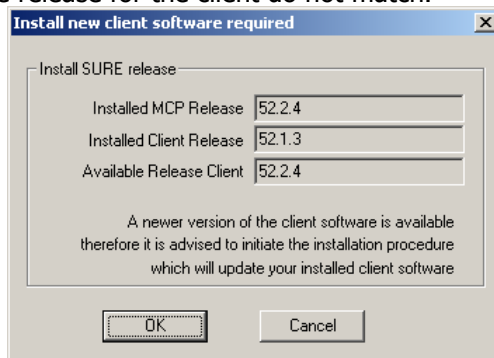
The trade off is that it is difficult to synchronize the upgrade to a newer SURE release when the SURE-PC-software is installed locally at many workstations.

Solution

SURE can check the version of the PC-software at logon time and may initiate a local client installation. This combines the benefits of an easy local client installation with the benefits of a synchronized server installation.

Example

The following dialog is shown after logon when the versions of the installed client release and the available release for the client do not match.



In this case, the version number of the SURE software on the MCP is 52.2.4.

The version number of the 'available' SURE PC-software is also 52.2.4.

The version number of the client software that is now installed on this workstation is 52.1.3.

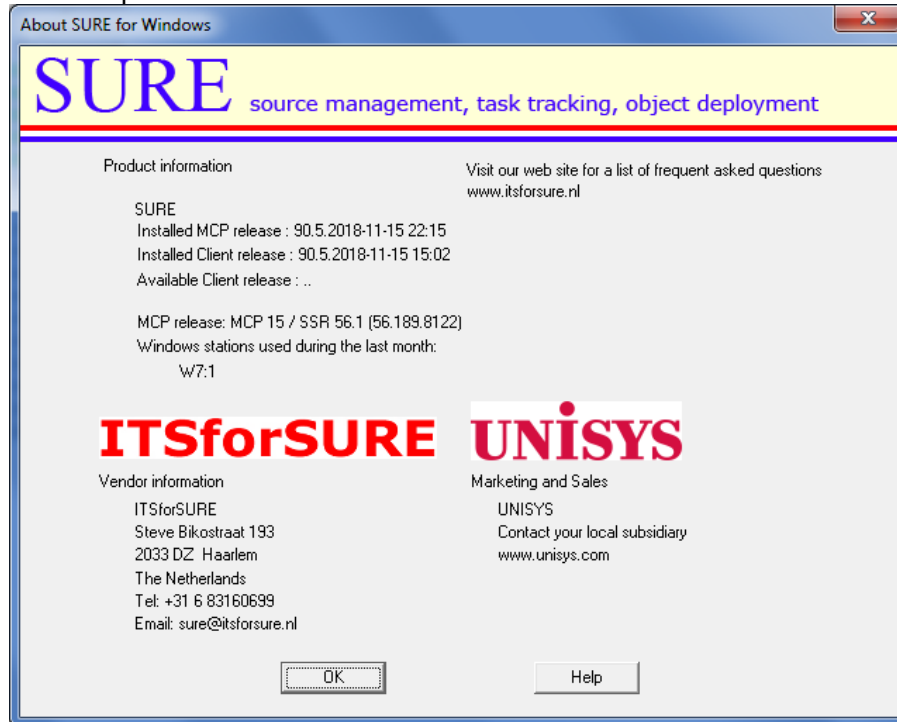
Obviously, a new version of the mainframe software was installed and the corresponding new version of the client software was 'made available'. Notice that the version of the mainframe software is not relevant to display the above screen.

Click OK to start the installation, which installs the available client software.

Click 'Cancel' to skip the installation, however the same message is then issued after the next logon. A possible reason to skip the automatic installation is for example when the developer works at home via a slow modem connection, and he does not want to install the SURE PC-software via that modem (which may take several hours). A solution is to install the PC-software

later from a release DVD. It is possible to work with a SURE-client that has another software version number than the CP/NX software, but some actions may issue an error message.

The release number of your installed software is found in the SUREforWindows Explorer, via toolbar → help → about:



The above example screen shows two release numbers:

- The release number of the MCP software (90.5 compiled at Nov 15, 2018 at 22h15)
- The release number of the client software (90.5 built at Nov 15, 2018 at 15h02)

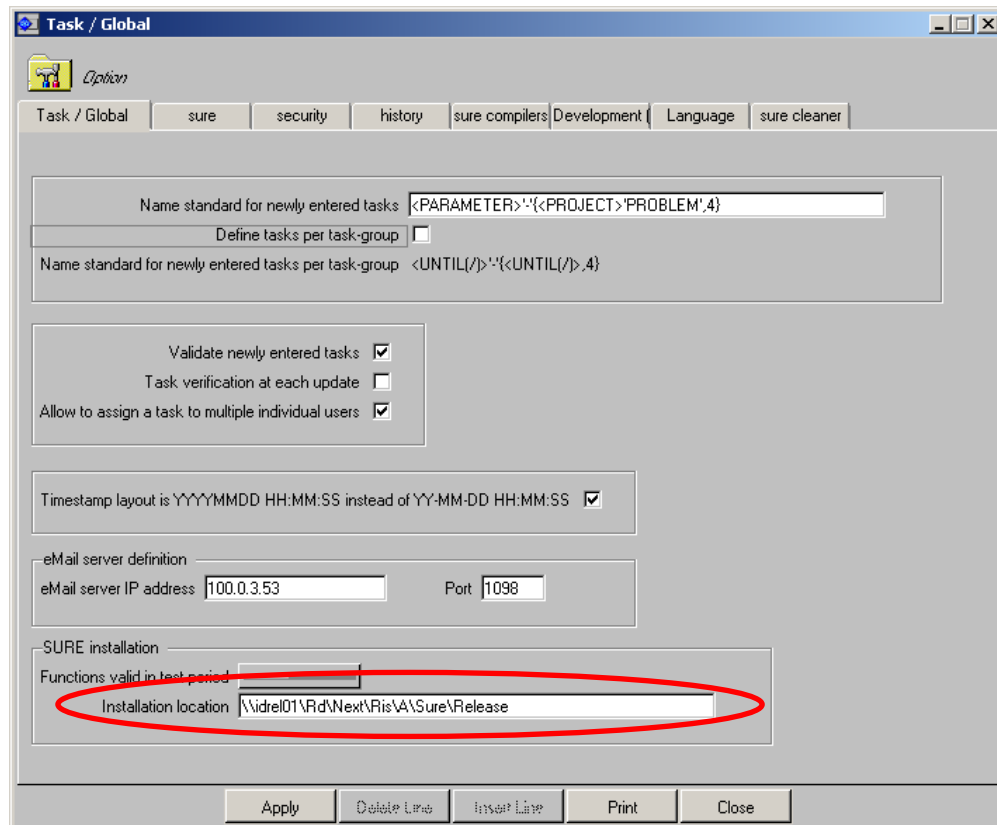
Technical details and considerations

The following procedure is required to trigger the automatic client installation.

The delivered SURE software package contains the SURE CP/NX modules and the SURE client modules. The two modules are compatible and have the same version number.

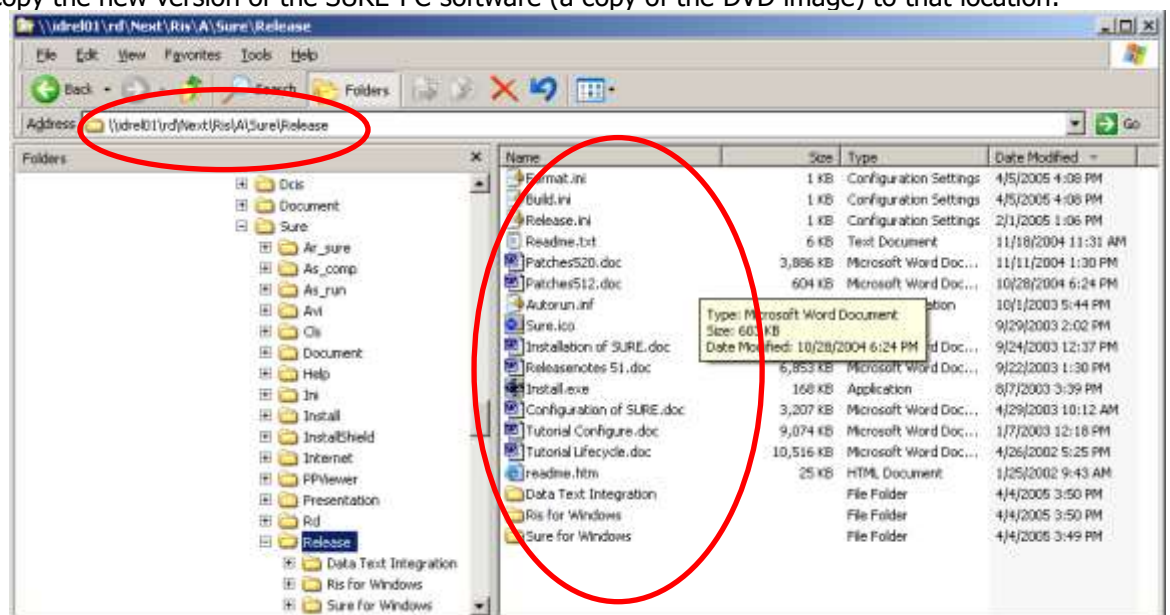
The entire installation consists of three steps:

- a. Copy the new version of the SURE CP/NX software to the correct location on the mainframe.
- b. Define the location of the available client software in SURE:
Global Options → field 'installation location'



The location of the available client software is here: '\\idrel01\Rd\Next\Ris\A\Sure\Release'

c. Copy the new version of the SURE-PC-software (a copy of the DVD image) to that location:



The SURE client software is available in directory '\\idrel01\Rd\Next\Ris\A\Sure\Release'. This directory contains three files that control the version number of the release:

- Release.ini
- Format.ini
- Build.ini

The number in file Release.ini defines the first part of the software version number (52 in the first example). This number is raised by one with every major release (about 1 time per year)

The number in file Format.ini defines the middle part of the software version number (2 in the first example). This number is raised by one if the layout of the interface between PC and mainframe is changed.

The number in file Build.ini defines the last part of the software version number (4 in the first example). This number is raised by one if modifications are made in the SURE PC software.

If any of the three files (step c) is missing, or if the installed location (step b) is not defined, then the automatic installation dialog is skipped.

RFW.INI

It is possible to install multiple instances of SUREforWindows on one PC. Information about each SUREforWindows installation is kept in file RFW.INI in directory C:\ProgramData\ITSforSURE\. The following example RFW.INI file contains information about two installations: an installation for the 'Infra' repository and an installation for a 'Demo' repository.

```
[GLOBAL]
APPLICATION1=SURE for Windows\Infra
APPLICATION2=SURE for Windows\Demo
[SURE for Windows\Infra]
INSTALLED1=RIS for Windows, 6.3.0
INSTALLED2=Data Text Integration, 1.1.1
SETUP=SURE for Windows
DIRECTORY=C:\Sure\Infra
INSTALLED3=SURE for Windows, 5.2.0
[SURE for Windows\Demo]
INSTALLED1=RIS for Windows, 6.3.0
INSTALLED2=Data Text Integration, 1.1.1
SETUP=SURE for Windows
DIRECTORY=C:\Sure\Demo
INSTALLED3=SURE for Windows, 5.2.0
```

When a SUREforWindows client is installed for the first time on a PC, the installation process asks for a program folder name. This program folder name is used for four purposes:

- Create a program folder in the Windows startup menu
- This name becomes the title of the SUREforWindows client (in the title bar)
- This name is placed in the AW_OBJ.INI file ([global]title)
- This name is used as a key for the RFW.INI file

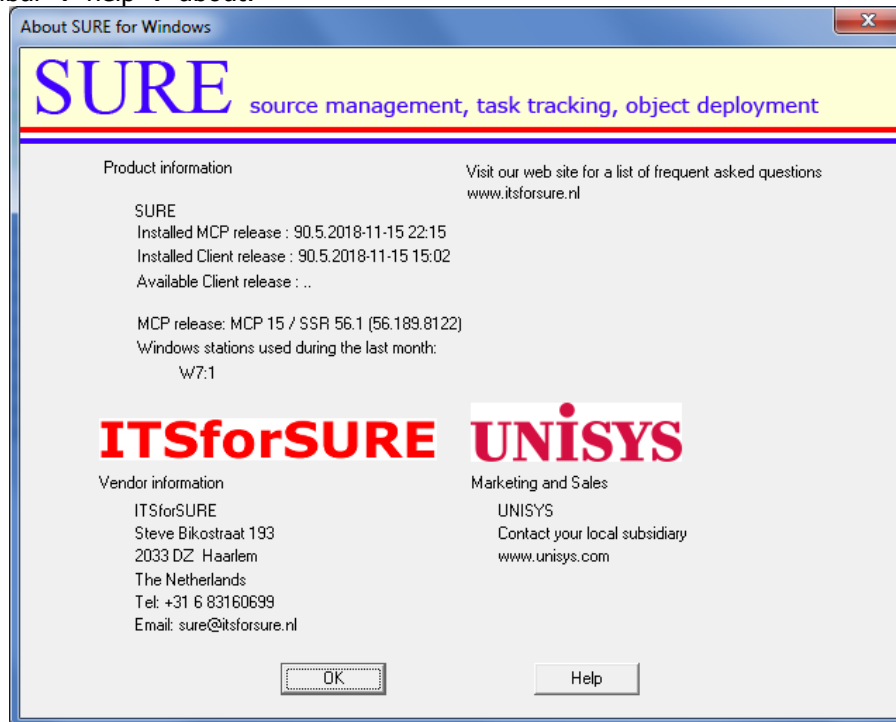
The automatic installation searches for an application with the program folder name in the RFW.INI file. If the program folder name is not found in the RFW.INI file, then the automatic installation is aborted with an error message. If the program folder name is found, then the software is installed in the directory that is defined for the program folder name.

Example

A user starts 'SURE for Windows\Demo' and logs on. An automatic installation is required and the user clicks on the OK button to start it. The automatic installation is started with parameter 'SURE for Windows\Demo'. The automatic installation process opens the RFW.INI file and searches for application 'SURE for Windows\Demo'. If that application is found then the software is installed in the directory that is defined in paragraph [SURE for Windows\Demo]. This is directory C:\Sure\Demo

Sure-1909 About SURE release numbers

The release number of your installed software is found in the SUREforWindows Explorer, via toolbar → help → about:



The above example screen shows two release numbers:

- The release number of the MCP software (90.5 compiled at Nov 15, 2018 at 22h15)
- The release number of the client software (90.5 built at Nov 15, 2018 at 15h02)

Both release numbers (MCP and client) consist of three parts:

- The major release number (in this case 90).
 - o We do not do any database reorganization or any data conversion inside the repository as long as the major release number remains the same.
 - o There can be a database reorganization or data conversion between two major releases.
- The minor release number (in this case .5)
 - o The minor release number guards the compatibility between the client and server within a major release.
 - Sometimes we must make a modification on the client side and on the server side to solve an issue, and then we upgrade the minor release number.
 - In other cases, we only have to modify something on the client side or on the mainframe side, and then the minor release number is not raised.
- The build timestamp.
 - o The timestamps are the moments of the build of the mainframe software and the client software.
- The client software is compatible with the MCP software if the major and minor release numbers are equal.

The About screen shows also:

- The current MCP release. In this example: MCP 15 / SSR 56.1
- The Windows-releases of the workstations where the SUREforWindows GUI was used during the last month.

Sure-2468 Make naming of build script files configurable

During the SURE build process, names of the script, error and list files are automatically generated.

This patch gives the user some level of control over the naming of these files.

Technical details and considerations

A number of entries can be added to the INI file to control naming of build related files.

The values of these entries contain a simple way to include the name of the current build target by including the literal <> in the value.

For example, FILESCRIPTNAME=Do_<>_Build.bat will expand to the build script name Do_TEST_Build.bat when building the target TEST.SLN.

The following entries can be defined in the AW_OBJ.INI file:

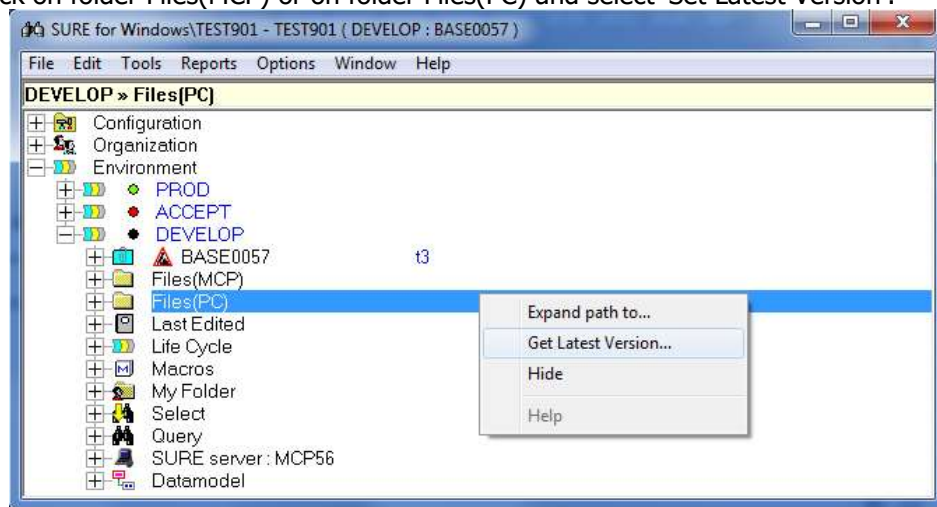
Paragraph [BATCH]

FILESCRIPTNAME	the name of the build script for a single file
DIRSCRIPTNAME	the name of the build script for a directory
MAKESCRIPNAME	the name of the make file when build step MAKE is used
ERRORNAME	the name of the error file created by a build
LISTNAME	the name of the listing file created by a build

Sure-2548 New: Use function Get Latest Version on the top node Files(MCP/PC)

It is possible to use function 'Get Latest Version' for all MCP files or for all PC files.

Rightclick on folder Files(MCP) or on folder Files(PC) and select 'Set Latest Version':



- This does a Get Latest Version of all MCP/PC files

The following Get Latest Version methods are now supported:

- Individual file rightclick on the file → Get latest Version
- Directory rightclick on the directory → Get Latest Version
- Top node rightclick on folder Files(PC/MCP) → Get Latest Version

Sure-2553 Extra info on transfer screen

Additionally, the task transfer screen shows for each linked source the user who changed that source:

Transfer task T-0115-BA from environment DEVELOP

Task

Name	T-0115-BA	Reported By	FACJBH
Environment	DEVELOP	Solved By	FACSG
Status	DEVELOP		

test2

Target Environment	Blocked	Overlap	Fatal	Warning
DEVELOP			true	Can not transfer to the same environment
TESTDEV				
RELEASE				
NEXTREL				

Transfer Queue Block Detail Compile Impact

Linked

Environment	Changed By	Entity	Item	Link	Error
DEVELOP	FACSG	Comman...	Change filetype of S/BA/I...		
DEVELOP		FILE-PR...	S/BA/ICL/BAICL0026		


Link Move Task Detail Undo Request Undo Assign Check In

Close Help

Sure-2567 Show name of task in the status screen

The Status screen shows now the name of an active task instead of an indication that there is an active task:

Status :: Browse BA\ALP\FIALP0018.CBL FILE

 Status

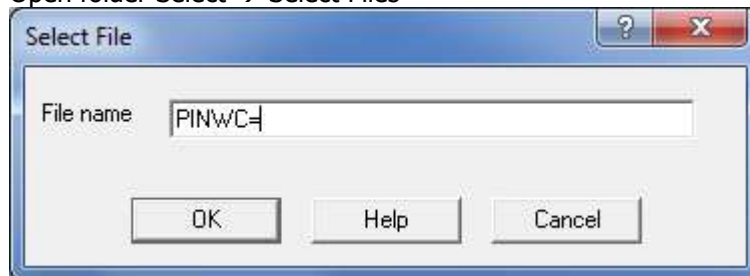
Environment	Status on this environment	Version	Active task	Changed	Changes by	Queue name	Compiled
DEVELOP	Differs from next	4.13	ARCHFB-0111	0-23-2013 21:32:20	FACSG	NORMAL	1-15-2007 13:02:06
TESTDEV	Differs from next	3.1		5-31-2006 17:01:44	FACAB	NORMAL	1-15-2007 13:59:07
RELEASE	Quick fix (transferred)	3.2		0-3-2013 8:52:51	FACSG	NORMAL	1-7-2007 6:58:11
NEXTREL	Exists	3.2		0-3-2013 8:53:01	FACSG	NORMAL	1-26-2007 4:13:22
8REL568	Changed in branch	3.1		8-28-2006 16:02:41	FACAB	NORMAL	11-21-2006 23:39:24
FRIBACONV	Changed in branch	3.1		8-28-2006 16:02:41	FACAB	NORMAL	12-8-2006 21:46:22
4REL564						NORMAL	

Print Close

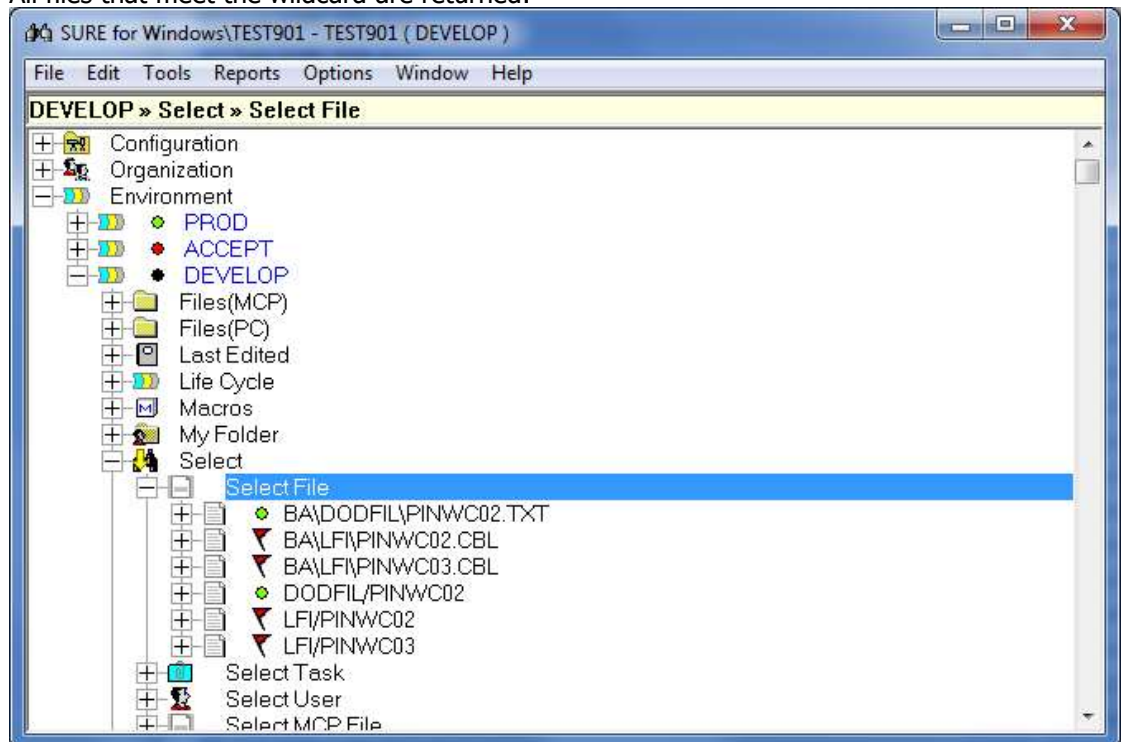
Sure-2591 New: select all files with a node that contains a wildcard

It is now possible to select all files with a last node that starts with a prefix. The function works as follows:

- Open folder Select → Select Files



- Enter the last node with the wildcard. In this example 'PINWC='
- All files that meet the wildcard are returned:



The syntax of the wildcard is the same as on the query screen. The following wildcards are supported:

- Entering ABC= selects all files with a node that starts with 'ABC'
- Entering A?C selects all files with a node that meets wildcard 'A?C', where the '?' is substituted by 1 character.
- Entering A*C selects all files with a node that meets wildcard 'A*C', where the '*' is substituted by n characters.

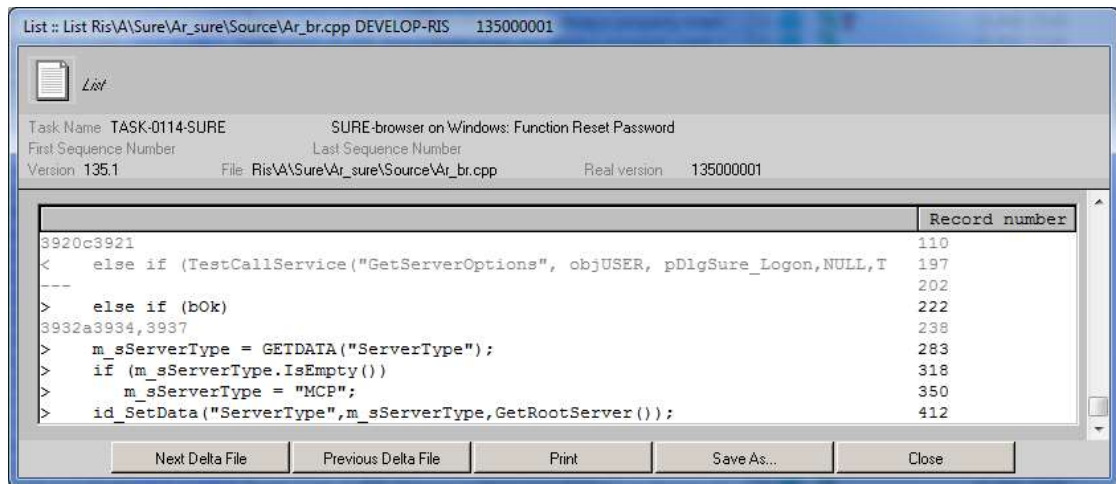
The following select methods are now supported by function 'Select File':

- Search on the complete filename
 - o This is not case sensitive for filenames that are completely in upper- or lowercase or for PC-files
- Search on the complete filename but the slashes reversed
- Search on filenames with a specific node (= part of the filename between slashes)
- Search on filename via the last node + extension
- Search on filenames with a node that contains a wildcard

Sure-2628 Improve the way how delta-files are shown

The content of PC-delta-files is shown as follows:

- the added and updated lines are displayed in dark grey
- the deleted and old lines are displayed in light grey



The example screen shows a block with changed lines, followed by a block with added lines.

Each block is preceded by a command line:

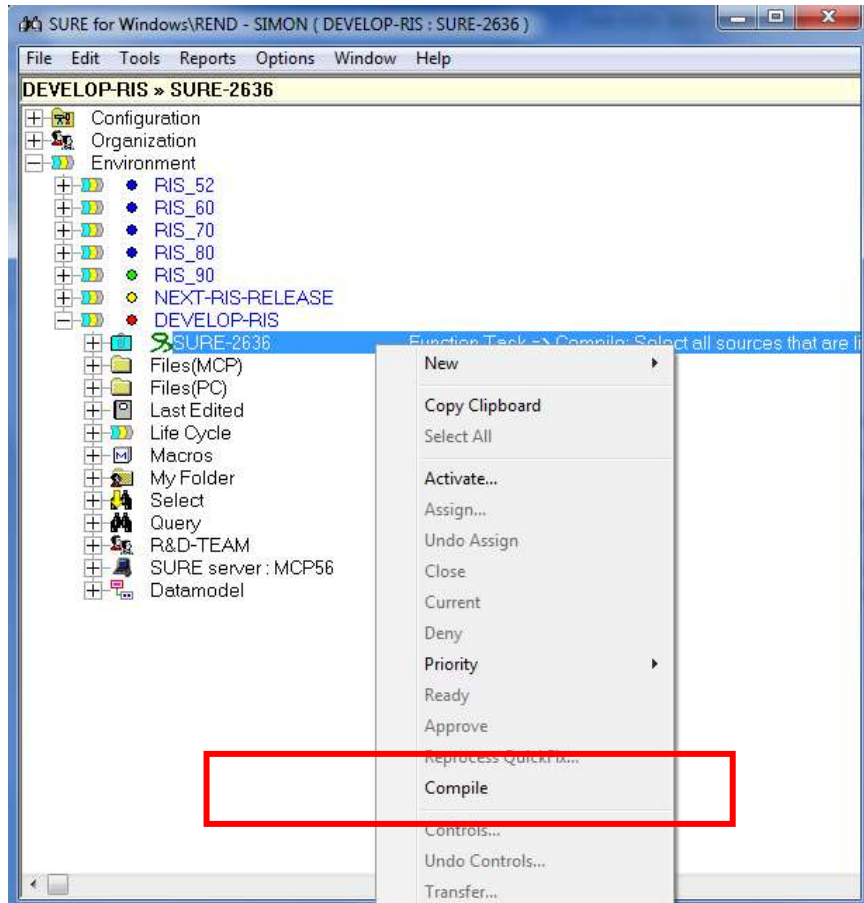
- In case of a block with added lines, the command line contains an 'a'
- In case of a block with deleted lines, the command line contains a 'd'
- In case of a block with change lines, the command line contains a 'c'

Sure-2636 New: recompile a task

It is now possible to recompile a task: Rightclick on the task name → Compile

The function selects all sources that are linked to the task on any environment or in the task history, and places them again in the compile queue of the current environment.

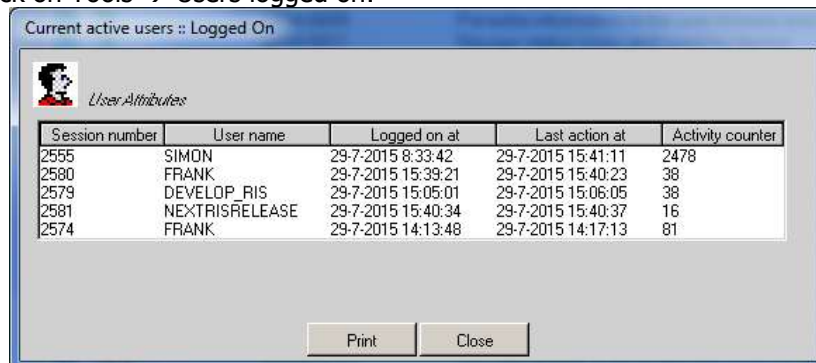
For RIS users: function 'Compile Task' places all programs in the compile queue that are regenerated because of RIS-id's that are linked to the task.



Task-0037-XX Users logged on and Sfw Session number

The screen with 'Users logged on' is updated.

Rightclick on Tools → Users logged on:



Session number	User name	Logged on at	Last action at	Activity counter
2555	SIMON	29-7-2015 8:33:42	29-7-2015 15:41:11	2478
2580	FRANK	29-7-2015 15:39:21	29-7-2015 15:40:23	38
2579	DEVELOP_RIS	29-7-2015 15:05:01	29-7-2015 15:06:05	38
2581	NEXTRISRELEASE	29-7-2015 15:40:34	29-7-2015 15:40:37	16
2574	FRANK	29-7-2015 14:13:48	29-7-2015 14:17:13	81

The following information is returned per user:

Session number Each SUREforWindows (Sfw) GUI session gets a unique session number when a user logs on. The session number is then assigned to all actions that are done by the user, and used to reposition browse-info at browse-actions.

The session number remains the same during the entire Sfw session, also if the connection between Sfw and the SURE back-end was interrupted for a while.

The highest possible Session number is 549755813887.

User name The user-id that is entered on the log-on screen

Logged on at The timestamp when the TCPIP-connection was established. Normally this is the timestamp when the user logged on, but if the user is away for a period without closing his Sfw-session then the TCPIP-connection will be closed automatically after an idle period and then you see the timestamp when the user continued his work.

Last action at The timestamp of the last activity by this user

Activity counter The number of activities by this user since he logged on

Task-0051-SURE New: define a post-compile-job for local compilations

A local compilation (a compilation on the MCP started by the developer via SUREforWindows) searches for a start-job and starts a corresponding local version of that start-job.

On the MCP, a local compilation is executed by job WFL/<environment>/PC-SESSION. This job does the following:

1. It compiles the source
2. Then it runs program RIS/COMPLETE/OBJECT. This program checks if the compiled source has a start-job linked to it. If that is the case then it searches in SURE for a "local-compile-version" of this start-job. We call this the local-start-job. This local-start-job must have the following name: <start-job>/LOCAL. If the local-start-job is found in SURE, that name is returned to job WFL/<environment>/PC-SESSION
3. If the name of a local-start-job was returned, then WFL/<environment>/PC-SESSION will start that job and wait until the local-start-job is finished.

The local-start-job must have the following content:

```
0000500BEGIN JOB LOCAL/STARTJOB
0001000      (STRING SSOURCE
0001500      ,STRING SDRIVER  OPTIONAL
0002000      ,STRING SFILETYPE OPTIONAL
0002500      ,STRING SBUSYKEY  OPTIONAL
0003000      );
0003500 STRING SBUSY
0003600      ,SDONE
0003700      ;
0004000 DISPLAY(SSOURCE & "|" & SDRIVER & "|" & SFILETYPE);
0004500
0004600%-----
0004700% the job function
0004800%
0004900
0005000% put over here the job-specific statements
0005500
0005520
0005540%-----
0005560% last actions, required for SURE-compile-local
0005580%
0005600 IF LENGTH(SBUSYKEY) > 0 THEN BEGIN
0005800     SBUSY := "BUSY/" & SBUSYKEY;
0006000     SDONE := "DONE/" & SBUSYKEY;
0006200     CHANGE #SBUSY TO #SDONE;
0006400 END;
0006600
0007500END JOB;
```

- The job must have 4 parameters:
 - o SSOURCE: this string contains the name of the source wherefore the compilation is started
 - o SDRIVER: if the source is linked to a driver, the driver-name is returned in this parameter.
 - o SFILETYPE: this string contains file-type of the source. It can be handy to have this available.
 - o SBUSYKEY: this string contains the name of a file on which WFL/DEVELOP/PC-SESSION is waiting.
- The middle part is up to the customer
- The last part of the job must always be the same: change file BUSY/<key> TO DONE/<key>, so that WFL/<environment>/PC-SESSION can continue.

Task-0062-SURE New print function that counts the number of INFO records

Print function 'INFO-OVERVIEW' of program RESPECT/PRINT counts the number of info-records per info-type. For example: the number of LOG-records, the number of HISTORY-records, et cetera. This function may be useful when the content of dataset DINFO reaches its limits.

Run the batch function as follows:

```
RUN RESPECT/PRINT("INFO-OVERVIEW <options>");
```

```
- INFO-OVERVIEW -----
      | - ON-OWNER -----|
      |   | - OWNER <owner> -|
      |   | - CLASS <class> -|
      |   | - DETAILS -----|
```

ON-OWNER If this option is used then the info-records are counted per owner (file-name or item-name), otherwise they are counted per info-type (class)

OWNER <owner> The info-records are counted for a specific owner, per info-type

CLASS <class> The info-records are counted for a specific class

DETAILS This option gives extra details

Task-0065-SURE New batch function to copy PC-file to MCP-disk

Create a batch function to copy a file with origin PC (like an XML-file) from the SURE-repository to MCP-disk, where an MCP-program can use it. The file must have FILESTRUCTURE = STREAM.

This is implemented in program RESPECT/SURE/COPY.

RUN RESPECT/SURE/COPY("parameter");TASKSTRING="<environment>";VALUE=<taskvalue>

```
<parameter> :  
-----<source>-----  
| -- AS <name> --| |-- <options> --|
```

```
<options>:  
NO-MERGE      = do not merge patch-file (MCP files only)  
OVERWRITE     = overwrite existing destination file on disk  
STREAM        = create STREAM-file (FILESTRUCTURE = STREAM)  
ASCII         = EXTMODE = ASCII (only for stream files)
```

```
<taskvalue>:  
1 = copy also include-files from the repository to disk (MCP files only)
```

Task-0075-SURE Support for dollar-option AUTOBIND in an ALGOL program

If dollar option AUTOBIND is set in an ALGOL program, then the processes of compiling and binding are combined.

SURE treats an Algol source with AUTOBIND (autobind-host) similar as a BINDERSYMBOL source:

1. The examine program recognizes the \$ BIND statement in the autobind-host to create the links with the bind-modules.
2. If one of the bind-modules is changed and compiled, then the autobind-hosts containing that module are automatically compiled too.
3. The compilations of the autobind-hosts are started when all other compilations are done.
4. Please notice that the BIND statement in the autobind-host contains only object-names. The relations in SURE must be defined for the source-names of those objects. The examine-program will only use the correct source-name for each encountered object-name, if that source is already loaded in SURE.

If the source-name is not known in SURE then the examine program will not add the DRIVER relation in SURE (to avoid invalid relations which may jeopardize the bind procedure). In that case a display is given.

5. Autobind-host sources do not require a start-job for the binding phase.

Example

The AUTOBIND binding function is explained via an example.

Consider the following files:

- Source BBB/HOST, compiled as OBJECT/BBB/HOST
 - Filekind = DMALGOLSYMBOL
 - Project = BIND-EXAMPLE
 - Type = HAS-OBJECT (Object location = Run-time environment)
 - Local editing = Enabled
 - Content:


```
00000000% VERSION    2.8  ; SAVED 20131113 09:10:45
80000010 $ SET LIST LISTINCL
80000030 $ SET WARNSUPR
80000035 $ SET AUTOBIND
80000040 $ BIND BIND1          FROM OBJECT/BBB/BIND1;
80000045 $ BIND BIND2          FROM OBJECT/BBB/BIND2;
80000060 BEGIN
80000500
80011470 PROCEDURE BIND1;
80011650 BEGIN
80011680     DISPLAY("module BIND1 not bound");
80011820 END;
80012000
80012500 PROCEDURE BIND2;
80013000 BEGIN
80013500     DISPLAY("module BIND2 not bound");
80014000 END;
80014500
80015000 BIND1;
80015500 BIND2;
80016000 DISPLAY("HOST version 2.8");
84001740 END.
```
- Source BBB/BIND1, compiled as OBJECT/BBB/BIND1
 - Filekind = COBOL74SYMBOL
 - Project = BIND-EXAMPLE
 - Type = BIND- MODULE (object-location = SURE-batch environment)

- Local editing = Enabled
- Content:

```
000000* VERSION 2.3 ; SAVED 20131113 07:47:37
100020$ SET LEVEL = 3
100065 IDENTIFICATION DIVISION.
100110 ENVIRONMENT DIVISION.
300005 DATA DIVISION.
500140 PROCEDURE DIVISION.
500385 A100-MAIN-LINE.
500390 A100-01.
500500 DISPLAY "module BIND1 version 2.3"
502095 EXIT PROCEDURE.
```

- Source BBB/BIND2, compiled as OBJECT/BBB/BIND2
 - Filekind = COBOL74SYMBOL
 - Project = BIND-EXAMPLE
 - Type = BIND-MODULE (object-location = SURE-batch environment)
 - Local editing = Enabled
 - Content:

```
000000* VERSION 2.1 ; SAVED 20131113 07:50:33
100020$ SET LEVEL = 3
100065 IDENTIFICATION DIVISION.
100110 ENVIRONMENT DIVISION.
300005 DATA DIVISION.
500140 PROCEDURE DIVISION.
500385 A100-MAIN-LINE.
500390 A100-01.
500500 DISPLAY "module BIND2 version 2.1"
502095 EXIT PROCEDURE.
```

- The object that has to be deployed to the run-time environment is OBJECT/BBB/HOST. All other objects are only used as input for the bind, so they must be available in the SURE-batch-environment when the bind is started and they cannot be deployed to the run-time object-location.

Scanning the BIND statements in the HOST

When a new version of BBB/HOST is saved in SURE, it will be scanned by RESPECT/SURE/EXAMINE. Examine will now search for \$ BIND statements in an Algol source and for each \$ BIND statement a DRIVER relation will be added between the bind-module and the Algol source. This is an automated process.

So, with example source BBB/HOST:

```
00000000% VERSION 2.8 ; SAVED 20131113 09:10:45
80000010 $ SET LIST LISTINCL
80000030 $ SET WARNSUPR
80000035 $ SET AUTOBIND
80000040 $ BIND BIND1 FROM OBJECT/BBB/BIND1;
80000045 $ BIND BIND2 FROM OBJECT/BBB/BIND2;
80000060 BEGIN
...
84001740 END.
```

..the following DRIVER relations will be added by Examine:

BBB/BIND1 – DRIVER – BBB/HOST

BBB/BIND2 – DRIVER – BBB/HOST

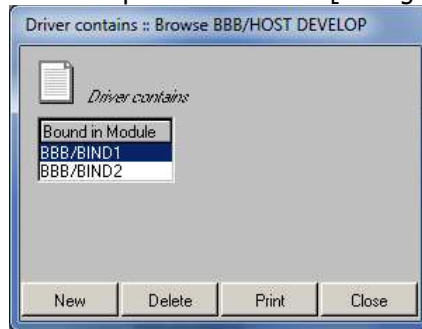
Changes in the \$BIND statements will lead to similar changed DRIVER-relations

The DRIVER-link between the host and the modules is visible via:

- BBB/BIND1 → Properties → button [Configuration] → Driver → Bound in



- BBB/HOST → Properties → button [Configuration] → Driver → Contains



Compiling and binding

If the host is compiled (via RESPECT/SURE/COMPILE or via Cande or a job) then the bind is done as well.

If one of the bind-modules is compiled via RESPECT/SURE/COMPILE then the host will also be compiled (+ bound) after all other compilations are done.

Task-0076-SURE Validate new filename according to naming-standard

The naming standard routine works in two modes:

1. The name of a new file is completely determined by the naming standard routine
2. The naming standard routine verifies a manually entered name according to a predefined naming standard formula.

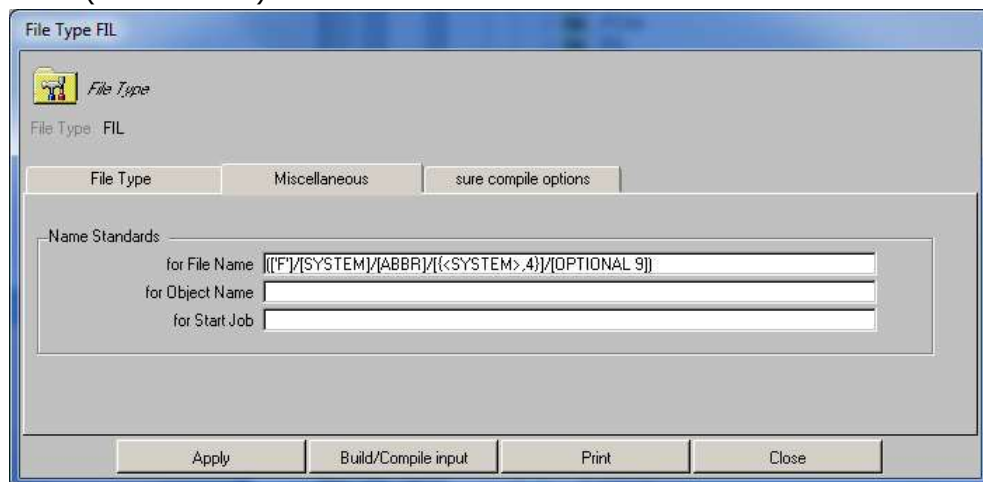
This topic is about the second mode where an entered name is checked.

Example

The naming standard feature is explained via an example

Step 1: Declaring a name standard formula for file-type FIL

- Configuration → File Type → right click on folder 'Files(MCP)' → New
- Tab 2 (Miscellaneous)



- Name standard = ([F])/[SYSTEM]/[ABBR]/[{<SYSTEM>,4}]/[OPTIONAL 9])

The entire name standard is between parenthesis (). This means that each node of an entered file name will be checked according to the corresponding node of the name standard formula.

The example name standard consists of the 5 nodes where each node is placed between square brackets []. A node in the name-standard identifies a directory-node of the file. That means that the nodes in the name-standard are separated by a slash /

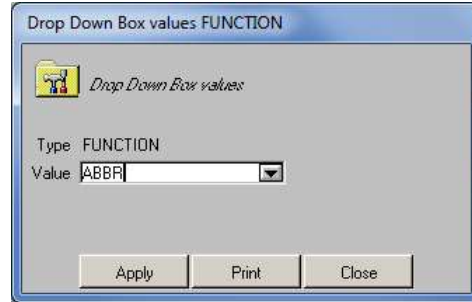
Node	Explanation
[F]	The first node of the file must be string literal 'F'
[SYSTEM]	This node will be replaced by the system of the file
[ABBR]	This node must be a valid ABBR.
[{<SYSTEM>,4}]	This node is an automatic number scheme, starting with 0001 (4 digits)
[OPTIONAL 9]	This node is optional, with a maximum length of 9 characters. Optional nodes can only be used as the last node

Step 2: Declare a drop down box for ABBR, with all the valid source-abbreviations

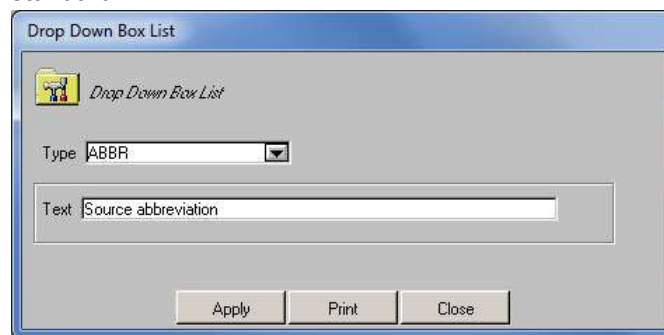
The third node of the name standard is [ABBR]. This means that that part of the filename must be defined in SURE as a valid ABBR.

- Configuration → Open folder 'Drop down box value'
- First we have to introduce the word 'ABBR' in SURE. You can do that by adding 'ABBR' to drop down box 'File function'
 - o Right click on folder 'File Function' → New

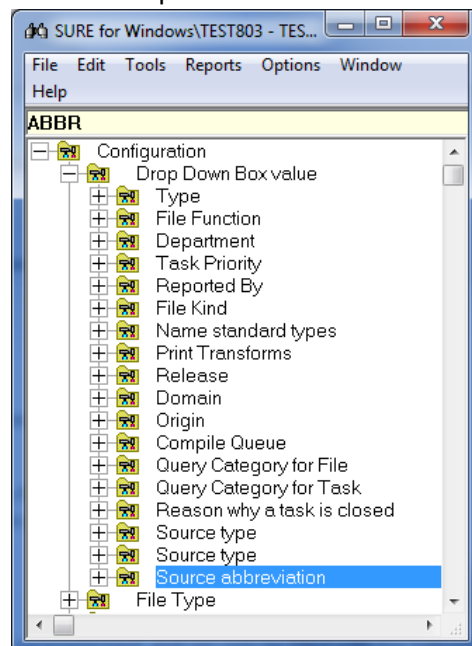
- Enter ABBR and click on button [Apply]



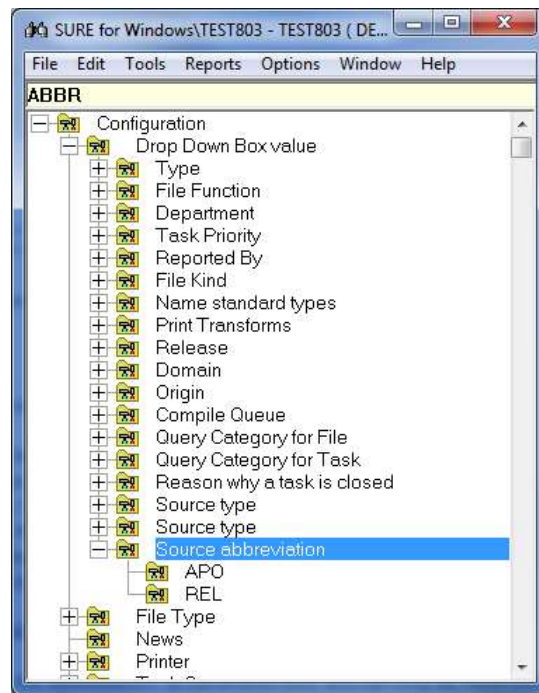
- Then we create a drop-down list of ABBR itself:
 - Right click on folder 'Drop down box value' → New
 - Enter type = ABBR and a clear description (as below), and click on button [Apply]
 - Remember: type must be ABBR because that word is used in the naming standard



- The new drop-down-list is now available. You see the logical description

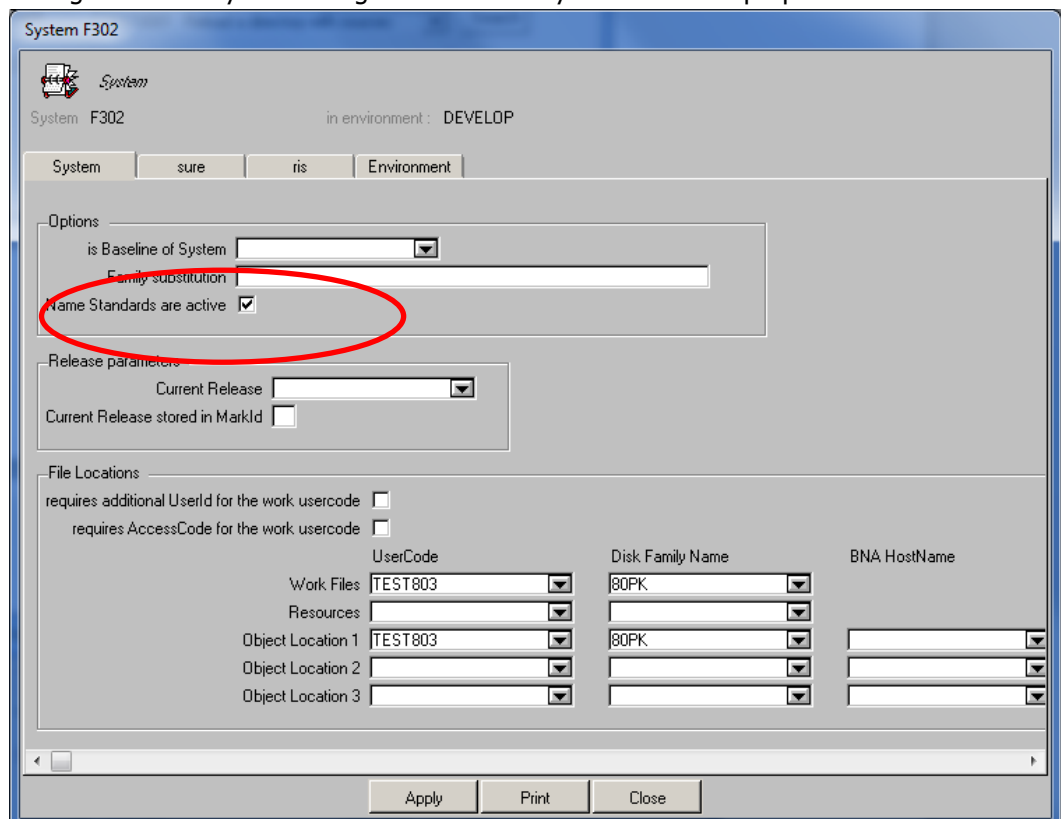


- Finally we have to declare the valid values for drop down list 'Source abbreviation'
 - Right click on folder 'Source abbreviation' → New
 - Add abbreviation APO, add abbreviation REL, etcetera
 - If you open folder 'Source abbreviations' you will see the list. You can add new values any time you want.



Step 3: Define for the system that naming standards are active

- Configuration → System → right click on the system-name → properties



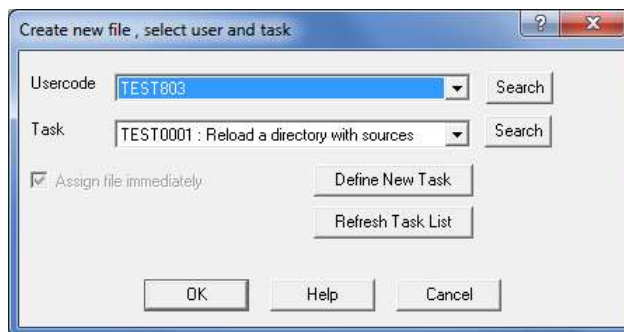
- System F302, with option 'Name Standards are active' enabled

Some remarks about this option:

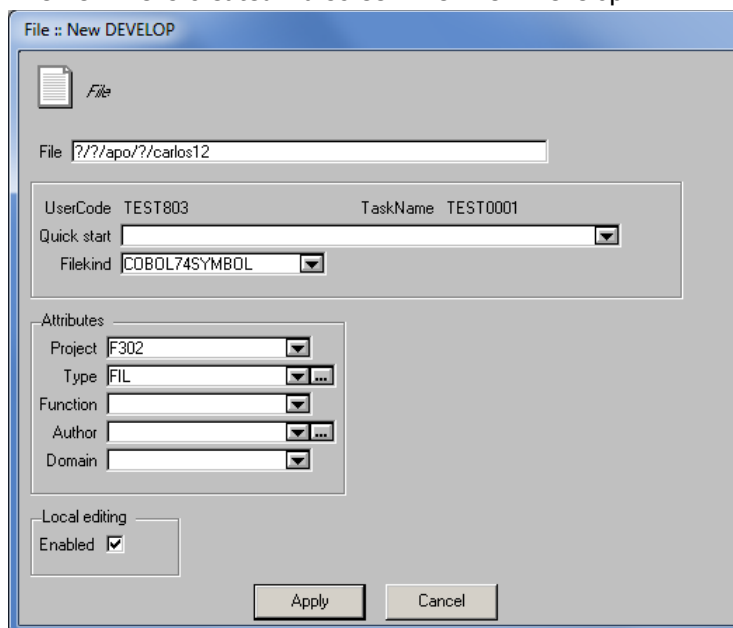
- Notice that the option applies to all newly added files for this system, and that the name-standard formulas are defined per FILE-TYPE. For each file-type you can define a different name-standard formula.
- If you have a system with option 'Name Standards' **enabled**, then you cannot use a file-type that does not have a naming-standard formula. Name-standard enabled means: each filename of this system must be created or checked via a name-standard formula.
- If you have a system with naming-standards **enabled**, but for some files you don't want the check, then you can define an extra file-type with name-standard formula = <PARAMETER>. Name-standard = <PARAMETER> means: 'there is no check on the filename',
- If you have a system with option 'Name Standards' **disabled**, then the developers are free to enter any filename. Name-standards disabled means 'there is no check on the filename'.

Step 4: Create a new file

- Toolbar → Edit → New → File → MCP environment



- You need a valid task. If you have a valid task then click on [OK]
- The new file is created via screen File::New Develop

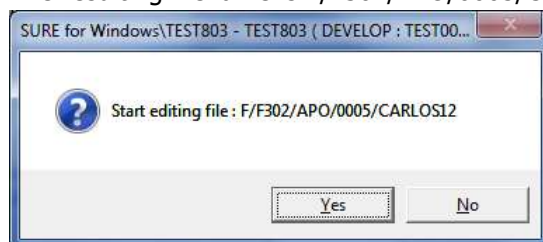


- Choose the correct filekind. In this example COBOL74SYMBOL

- Choose the correct project. In this example F302, which belongs to system F302
- Choose the correct file-type. In this example FIL: the file-type with the name-standard.
- The Filename must be entered according to the rules of the name-standard formula.
 - o The name-standard formula has 5 nodes, so the entered filename must also have 5 nodes. A node that will be determined automatically by the name-standard can be replaced by character ?
 - o The entered filename = ?/?/apo/?/carlos12

Node nr	Entered on screen	In name standard	Result	Explanation
1	?	[F']	F	Fixed string 'F' substitutes the '?'
2	?	[SYSTEM]	F302	The system that belongs to the project that is entered on the screen. This is automatically substituted.
3	apo	[ABBR]	APO	APO is a value of the drop-down-list. An invalid source-abbreviation results in an error. The name is first checked in the case as entered on the screen and then in upper case . So in this example: first 'apo' and the 'APO'
4	?	[{<SYSTEM>,4}]	0001	The file-number is determined automatically. The last given number is saved in the SURE under key <SYSTEM>, so in this example the key is 'F302'. The next number will be 0002, up to 9999.
5	carlos12	[OPTIONAL 9]	CARLOS12	This node is optional. If it is completely in lowercase then it is translated to upper case. If the name is longer the 9 chars an error is given.

- The resulting filename is F/F302/APO/0005/CARLOS12



Detailed information

Details about the syntax of the naming standard formula

- A naming standard formula that is used to check the name of a manually entered file must be surrounded with parenthesis ()
- Each node of the formula describes a directory level (node) of the filename
- Each node of the formula must be placed between square brackets [].
- Nodes are separated by a slash
- Example of the main syntax: ([node1]/[node2]/[node3])
- There are different types of name-standard nodes:
 - o Nodes to define a fixed value
 - o Nodes to inherit a predefined variable value (project, system, file-type)
 - o Nodes to define a type (numeric) or length
 - o Nodes to define an auto-number rule
 - o Nodes that define a check on a valid value
- The following nodes are supported:

Node	Example node in name standard	Example input file-name	Example result	Explanation
[<fixed string>]	[AA]	? AA	AA AA	A fixed string is placed between single quoted. The node in the entered filename can be a ?-character which will be replaced by the string, or the string itself. Other input results in an error.
[XXX]	[XXX]	ABC	ABC	An alphanumeric string. The amount of X-characters determines the size of the string. An invalid size results in an error.
[99]	[99]	12	12	A number. The amount of 9-characters determines the size of the number. An invalid size results in an error.
[?]	[?]	KL12	KL12	Variable input. Any input is accepted
[OPTIONAL <nr>]	OPTIONAL 9	DEF def Def "Def" "D f"	DEF DEF DEF "Def" "D f"	An optional string. <Nr> determines the maximum size of the string. This type of node can only be used as the last node of a name-standard formula. The string is translated to upper case if consists only of the characters a-z, A-Z, 0-9. A node surrounded by quotes can contain spaces. An invalid size results in an error.
[OPTIONAL UP <nr>]	OPTIONAL UP 3	ghi	GHI	An optional string. <Nr> determines the maximum size of

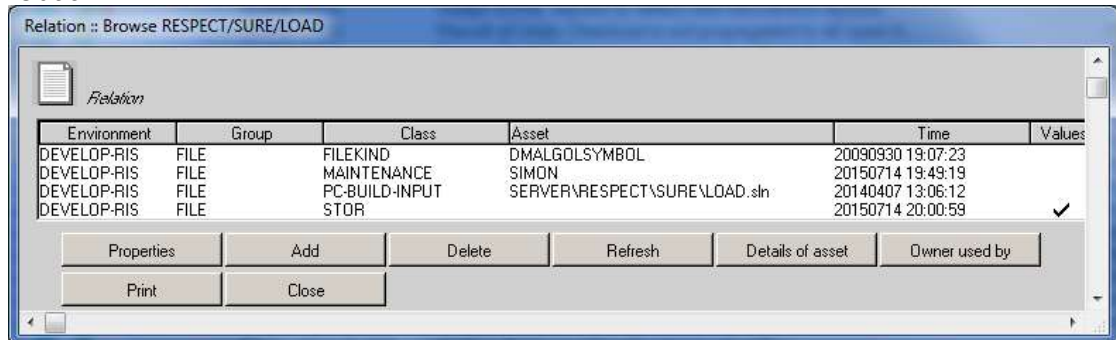
				<p>the string. This type of node can only be used as the last node of a name-standard formula.</p> <p>The string is always translated to uppercase.</p> <p>An invalid size results in an error.</p>
[PROJECT] or [<PROJECT>]	[PROJECT]	?	<project>	The ?-character in the entered filename is replaced by the project name that is entered in the screen in field 'Project'.
[SYSTEM] or [<SYSTEM>]	[SYSTEM]	?	<system>	The ?-character in the entered filename is replaced by the system-name. The system name is determined via the project name that is entered in the screen in field 'Project'.
[TYPE] or [<TYPE>]	[TYPE]	?	<filetype>	The ?-character in the entered filename is replaced by the name of the file-type, which is entered on the screen in field 'Type'
[type] or [<type>]	[ABBR]	rel	REL	ABBR must be defined as a drop-down list in SURE. 'rel' must be a valid value of that drop-down list. 'rel' is also checked in uppercase. An invalid value results in an error.
[{<auto-nr-key>,<sz>}]	[<SYSTEM>,<sz>]	?	0001	<p>A node between {} characters is an auto-number node.</p> <p>An auto number node consists of two parts, separated by a comma:</p> <ul style="list-style-type: none"> - The auto-number-key: The auto-number-key can be a combination of a string literal and a variable. For example 'F-<SYSTEM>'. If system = SYS1 the key is 'F-SYS1' and under this key that last issued number is kept. - The size: The size determines the amount of digits of the number. For example size = 3 means 001 until 999

Task-0087-SURE New: Use MCP-files as input for the PC-build

It is now possible to configure that MCP files are used as input for the PC-build. For example: when the MCP-file is input for a convertor that runs on the Windows platform to create a corresponding PC-file.

The configuration and functionality is explained via an example.

The MCP-file and the corresponding PC-(project)file must be connected via a PC-BUILD-INPUT relation:



In this example (3rd line): MCP-file RESPECT/SURE/LOAD is input for the build of PC-solution SERVER\RESPECT\SURE\LOAD.sln.

This configuration triggers the following procedure:

1. If MCP-source RESPECT/SURE/LOAD is added to the MCP compile queue then PC-file SERVER\RESPECT\SURE\LOAD.sln is added to the PC build queue.
 - o Adding to the MCP compile queue can be done via function Compile, or when the source is changed via a Check-in or a 'Transfer to next environment'
2. If an include file of RESPECT/SURE/LOAD is added to the MCP compile queue then PC-file SERVER\RESPECT\SURE\LOAD.sln is added to the PC build queue.
 - o So, it is not necessary to link each individual MCP include file to the PC-file. It is enough to link MCP source via the PC-BUILD-INPUT relation.
3. The AW_OBJ.INI file of the SURE build server must contain a paragraph [BATCH] with COMMAND=MCPBUILD. For example:

```
[BATCH]
UNATTENDED=TRUE
ENVIRONMENT=DEVELOP
SERVER=WINMCP
COMMAND=MCPBUILD
```

The other directives in this example define the logical name of the SURE-build-server (in this case WINMCP) and the SURE-environment (in this case DEVELOP).

4. When the SURE build server is started, then all MCP-sources and MCP-include files that are required for the build of SERVER\RESPECT\SURE\LOAD.sln are first downloaded to the Windows servers where the SURE-build runs.
 - o These MCP files are the same files as in step 1 and 2.
 - o These MCP files are downloaded to the MCP-source-directory that is defined in the AW_OBJ.INI file of the SURE build server, and the downloaded files gets the regular file extension. For example:

```
[DEVELOP]
SOURCEDIRECTORY=D:\Build\DEVELOP\SOURCE
```

In this case RESPECT/SURE/LOAD is downloaded as:
D:\Build\DEVELOP\SOURCE\RESPECT\SURE\LOAD.DMA

5. The actual PC-build is started when all required MCP files are synchronized
6. The name of the MCP-source-directory can be used in the PC-build-commands via token <MCPSOURCEDIRECTORY>. For example:

```
@echo off
set MCPSOURCEDIR=<MCPSOURCEDIRECTORY>
set WORKDIR=<WORKDIR>
```

These 'PC build commands' can be defined for an individual PC-file (see File Properties → tab: Object) or for the file-type of the PC-file (See File-Type Properties)

7. The remaining part of the PC-build works as usual:
 - The PC-build-commands are used to generate a build.bat file, which is started by SURE. The content of this build.bat script is defined by the customer.
 - The build-result is returned to SURE at the end of the build:
 - the PC-file gets COMPILE-STATUS(SYNTAX) if file Build.err is resident
 - the PC-file gets COMPILE-STATUS(COMPILED) if Build.err is not resident

Task-0105-RIS SURE backend on Windows

The SURE backend is now also available on Windows, which makes SURE (optionally) completely independent of the MCP platform.

So, there are now two possible configurations of SURE:

- The SUREforWindows GUI with the SURE backend on MCP
- The SUREforWindows GUI with the SURE backend on Windows

Contact ITSforSURE for detailed information about the Windows backend.

The SURE backend on MCP

Up until now it was only possible to use SURE with the SURE backend on the MCP

The SURE backend on MCP consists of the following parts:

- The INFDB repository, a DMS2 database
- The SUREforWindows server: programs OBJECT/RIS/API/=
- Other batch programs: OBJECT/RESPECT/= and OBJECT/RIS/=
- All programs are written in ALGOL
- Some WFL jobs to run the SURE batch

SURE with the MCP backend is a Software Configuration Management tool for sources of MCP applications and for sources of PC applications.

The SURE backend on Windows

The SURE backend on Windows is new. It can be used to run SURE completely independent of the MCP. The Windows backend is an exact copy on the MCP backend, with the exception that MCP specific functionality (for example 'Authentication via the Userdatafile, Printing system, et cetera) is not supported in the Windows backend.

The SURE backend on Windows consists of the following parts:

- The INFDB repository, an SQL Server database
- The SUREforWindows server: program LFIXX.exe plus DLL's
- Other batch programs: RESPECT_*.exe RIS_*.exe
- All programs are written in C++
- Some Java Script jobs to run the SURE batch

SURE with the Windows backend is a Software Configuration Management tool for sources of PC applications. It cannot be used for MCP sources

The SUREforWindows GUI

The SUREforWindows GUI works with an MCP backend or with a Windows backend. The GUI does not know to what kind of backend it is linked, and a developer that uses the GUI does not see a difference between both backends (again: with the exception of some MCP specific functionality).

Task-0119-SURE Log the copy and RELATE commands

Functions COPY and RELATE are now added to the log of a file or task:



Date/Time	Environment	Who	Task	What	Function	Description
29-Jul-2015 16:05:48	DEVELOP	TEST901		Sfw	Copy	as:SIMON/PROG/3
29-Jul-2015 16:05:40	DEVELOP	TEST901		Sfw	Relate	Del:REQUEST(SIMON)
29-Jul-2015 16:05:34	DEVELOP	TEST901		Sfw	Relate	Add:REQUEST(SIMON)

See the above example

Function COPY:

- The log shows the name of the copied file

Function RELATE:

- The log shows the class and asset of the relation, and what happened: add, update or delete

Task-0127-SURE Various new task overviews

This program is delivered on request

Run the program as follows:

RUN RESPECT/SURE/PRODESP("<input parameter>"); TASKSTRING = "<environment>"

Input-parameter:

```

|-----<-----|
|                                     |
|-----|
|
|  -- TASK-TYPE --- <up to 8 task-types> -----|
|  -- BY-SYSTEM -----|
|                  |- <one or more systems> ---|
|  -- BY-PROJECT -----|
|                  |- <one or more projects> --|
|  -- BY-DATABASE -----|
|                  |- <one or more databases> -|
|  -- PERIOD ---- FROM yyyyymmdd -----|
|                  |                     |- TO yyyyymmdd -|
|                  |                     |
|                  |- LAST-SIX-MONTHS -----|
|                  |- THIS-YEAR -----|
|                  |- MONTH <yyyymm>-----|
|  -- BY-MONTH -----|
|  -- DATABASE-REFERENCES -----|
|  -- HELP -----|

```

TASK-TYPE <up to 8 task-types>

- Each mentioned task-type becomes a column in the report. All changes because of task of that type are counted and reported.

BY-SYSTEM

- The counted numbers are cumulated and reported per system.
- Option <one or more systems> is a filter. If used then only those systems are counted
- This option cannot be used in combination with BY-PROJECT and BY-DATABASE
- Example:
 - o BY-SYSTEM
 - o BY-SYSTEM DER DERTRAN

BY-PROJECT

- The counted numbers are cumulated and reported per project.
- Option <one or more projects> is a filter. If used then only those projects are counted
- This option cannot be used in combination with BY-SYSTEM and BY-DATABASE
- Example:
 - o BY-PROJECT
 - o BY-PROJECT GAA GSE

BY-DATABASE

- The counted numbers are cumulated and reported per database.
- Option <one or more databases> is a filter. If used, only those databases are counted
- This option cannot be used in combination with BY-PROJECT and BY-SYSTEM
- Example:
 - o BY-DATABASE
 - o BY-DATABASE DBBATCH DBVEC

PERIOD

- This option limits the selected data to the period
- FROM yyyymmdd TO yyyymmdd
 - o If the TO-clause is not used then it defaults to today
- LAST-SIX-MONTHS the current month is included
- THIS-YEAR from the first of January until today
- MONTH yyyymm the entered month

BY-MONTH

- If this option is used then the counted numbers are cumulated per month.
- This option can be used in combination with BY-SYSTEM, BY-PROJECT and BY-DATABASE

DATABASE-REFERENCES

- This option triggers another report: Programs + referenced databases.
- This option cannot be used in combination with BY-SYSTEM, BY-PROJECT, BY-DATABASE and BY-MONTH

Task string:

The taskstring identifies the SURE-environment wherefore the program must run.

If the program is started without a taskstring then it runs for the default environment of the usercode that started the program.

Example:

RUN RESPECT/SURE/PRODESP("TASK-TYPE LOW-ISSUE FEATURE BY-SYSTEM BY-MONTH PERIOD THIS-YEAR")

This gives the following output:

Total of file operations by system by month

Page 1

Period 20140101 - 20140717

	LOW-ISSUE	FEATURE	REMOVED	COMPILED	TOTAL
Apr/2014					
BASE		1			1
BIND-EXAMPLE		1			1
TEST		10			10
May/2014					
BASE		1			1
Jul/2014					
BASE	4				4
BIND-EXAMPLE	1			1	2
TEST		1			1

Task-0151-SURE New function: add tasks to the task deliver queue

Batch function 'load/dump' repository is used for repository synchronization. You can dump tasks from one SURE repository and load them into another SURE repository. The selected tasks + all the linked source-files are dumped from the source-repository and loaded into the target repository.

A task can be added to the task dump queue via function:

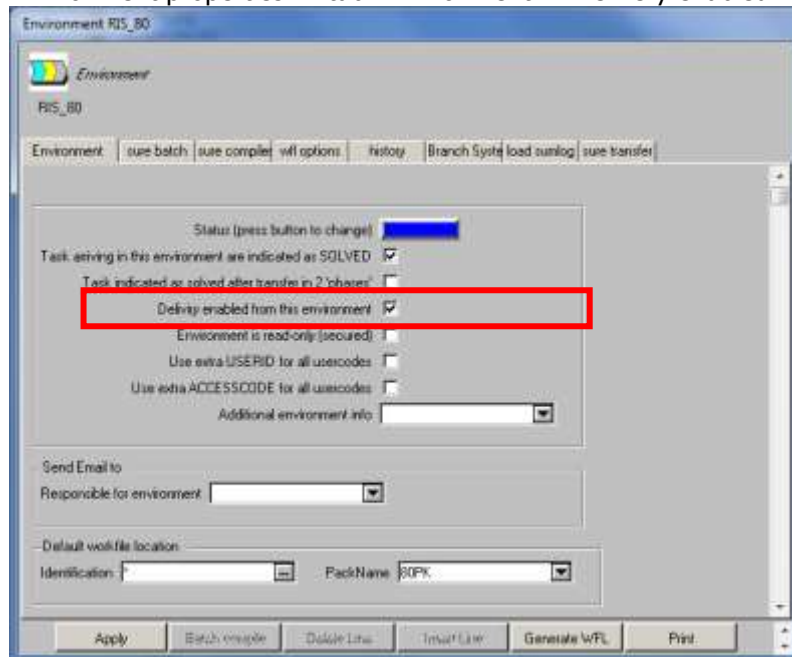
Right click on task name -> Speed menu -> Put in dump queue

It is possible to put multiple selected tasks into the dump queue in one action.

The task deliver queue

The task deliver queue can be enabled for any environment via option:

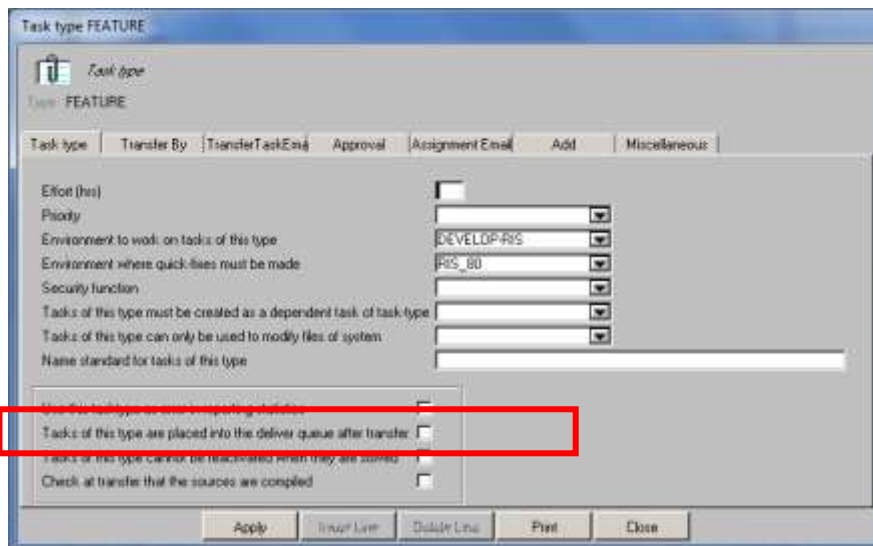
Environment properties -> tab: Environment -> Delivery enabled from this env.



Adding tasks automatically to the queue

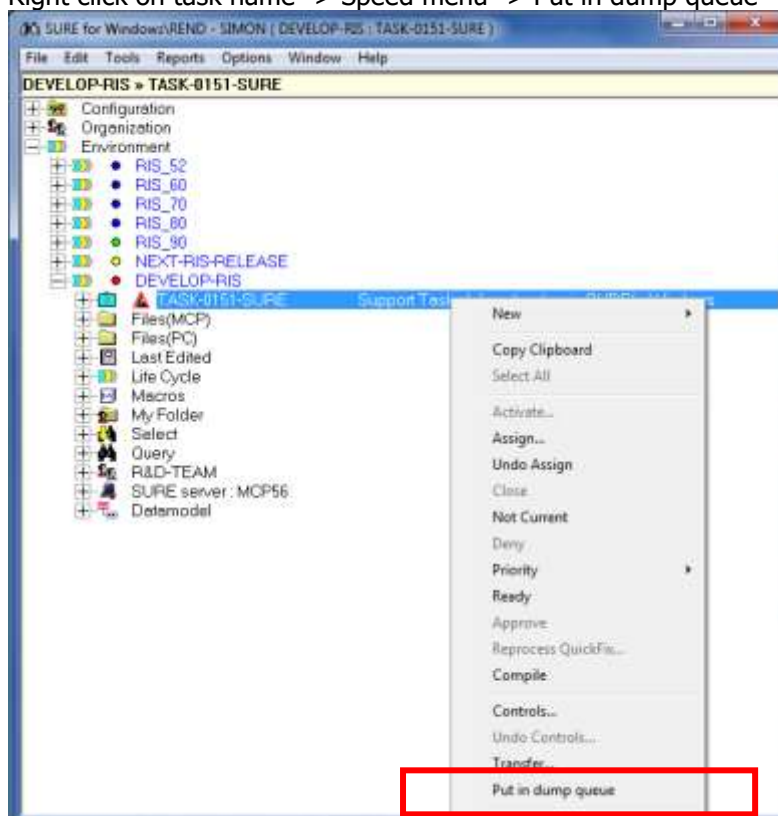
Tasks are added automatically to the task delivery queue of an environment when the task is transferred to that environment and option 'Auto delivery' is enabled for the task-type of that task:

Task-type properties -> tab: task type -> Task are added to the deliver queue



Adding tasks manually to the queue

A task can be added manually to the task delivery queue of an environment via function:
Right click on task name -> Speed menu -> Put in dump queue



Processing the queue

The tasks delivery queue is processed by batch function

```
RUN RESPECT/REPOSITORY("DUMP-REPOSITORY <options>");
TASKSTRING = "<dump environment>"
FILE RESPECT = <respect/titles of source repository>
```

Taskstring = <dump environment>:

This is the delivery-environment; the environment of the task delivery queue

Options:

SKIP-PCFILES

- Only MCP files are dumped, PC-files are skipped

SKIP-NOCOMPILE

- Files with compile-status 'not' are skipped

ALL-HISTORY

- Files that are modified because of the tasks in any environment are dumped.

ONLY-TASKS

- Files are not dumped, only the tasks

TO-80

- The source repository is of SURE-release 90.0 or higher and the target repository is of SURE-release 80.3 or lower.

RESPECT/REPOSITORY("DUMP-REPOSITORY") reads the task delivery queue of the environment that is mentioned in the taskstring. If no taskstring is passed then the user's default environment is used.

All tasks that are in the task-delivery queue are dumped.

All files that are linked to those tasks are also dumped from the same delivery environment. For example: if the delivery-environment is PRODUCTION, then the file-versions of environment PRODUCTION are dumped.

The selected tasks and files are copied from SURE to Cande directory RESPECT/DUMP/=

- Each selected file is copied as RESPECT/DUMP/<file-name>
- The tasks are dumped in file RESPECT/DUMP/TRANSFER
- Additional info can be dumped in file RESPECT/DUMP/SCREENS/TRANSFER

Loading

The task-date + files are loaded in the target repository via batch function

```
RUN RESPECT/REPOSITORY("LOAD-REPOSITORY <options>");
TASKSTRING = "<load environment>"
FILE RESPECT = <respect/titles of target repository>
```

Taskstring = <load environment>:

This is the load-environment; the environment where the files are loaded in.

Options:

FROM-80

- The source repository is of SURE-release 80.3 or lower and the target repository is of SURE-release 90.1 or higher.

RESPECT/REPOSITORY("LOAD-REPOSITORY") reads file RESPECT/DUMP/TRANSFER and loads the task-information into the target repository. The files to be loaded are also mentioned in RESPECT/DUMP/TRANSFER, other files are skipped.

Source-files that are already loaded in the target repository with the same content are not loaded again. Each processed file is removed from the RESPECT/DUMP/= directory, so the directory is empty when the load is done.

Task-0154-SURE Batch load PC-files

Via SUREforWindows function 'Tools → PC Environment → Load directory of files in SURE' you can load a directory with files in SURE. This interactive function is now also available in batch mode. This can be used to synchronize SURE with a PC-files directory via an automated procedure.

Detailed information

Function 'SUREforWindows Batch Load' works similar as function 'SUREforWindows Build Server':

- SUREforWindows is started in batch mode via a special 'batch-mode' ini-file.
- All parameters that are normally passed to SUREforWindows via interactive screens must now be defined in the ini-file.

Log on to SUREforWindows and enable the 'Save these credentials' checkbox on the log-on screen, to allow unattended log-on in the future.

Function 'SUREforWindows Batch Load' is triggered by an ini-file with section [BATCH] and key LOAD.

The following BATCH-LOAD keys can be defined in the ini-file:

[GLOBAL]

MODE=EVENTLOG

- This option suppresses global verification messages, such as 'Exit the SURE interface, please confirm'.

[BATCH]

LOAD=<relative path name>

- Mandatory
- Path in SURE to load files into.
- Disk directory to load files from is the work-directory for this path.
- It must be an existing path in the SUREforWindows work directory.

UNATTENDED=TRUE

- This option suppresses interactive input for function 'Load directory of files in SURE'.

PROJECT=<project name>

- Mandatory
- Project name used to load new files. It must be an existing project in SURE.

ENVIRONMENT=<environment name>

- Optional, default: logon environment
- SURE environment to load files into.

TASK=<task name>

- Optional, default: current task for environment
- Alternative task name to link files to. It must be an existing taskname and the task must have a valid busy-status for the environment where the files are loaded

AllEnvironments=TRUE

- Optional, default: FALSE
- If TRUE then the files are immediately loaded in all environments and not linked to a task

SUBDIR=<true/false>

- Optional, default: FALSE
- Include subdirectories of the specified path.

SYNC=<true/false>

- Optional, default: FALSE
- TRUE: add new files, update changed files, and remove files that are not in the work path.
- FALSE: add new files, update changed files, and keep files that are not in the work path.
- Not available in batch mode: add only, update only.

NOEXTTYPE=<file-type>

- Optional
- A registered SURE file-type(PC) to assign to file names that have no extension to derive the file-type from.

LOG=<file name template>

- Optional
- Create a log file containing the files' status and actions performed.
- File name template can contain identifiers <DATE> for an 8 digit start run date and <TIME> for a 6 digit start run time.

There are no intermediate spaces allowed just before or after the equal (=) sign.

Example

The SUREforWindows work directory = C:\SURE\TEST901\DEVELOP\WORK

```
[GLOBAL]
MODE=EVENTLOG

[BATCH]
UNATTENDED=TRUE
LOAD=TestSimon
PROJECT=SYSB
ENVIRONMENT=DEVELOP
TASK=BASE0010
SUBDIR=TRUE
NOEXTTYPE=MISC
SYNC=FALSE
LOG=C:\SURE\TEST901\TEMP\LOAD_LOG.TXT
```

This configuration loads directory C:\SURE\TEST901\DEVELOP\WORK\TestSimon\= (plus its subdirectories) in SURE-environment DEVELOP as TestSimon\=. Each loaded file is linked to task BASE0010. Files without extension are loaded with file-type MISC.

Details about the batch load are written in the LOG-file

Task-0156-XX New: Task Life Cycle dashboard

Function Tools → 'Task Life Cycle dashboard' gives a complete overview of the status of the tasks in the repository.

The advantage of this function is that it gives an overview at repository level and not at environment level, so it gives an indication of the overall status of your application system: are there many tasks in progress; are there many tasks that must be assigned; et cetera.

The following screen is returned when you use the function:

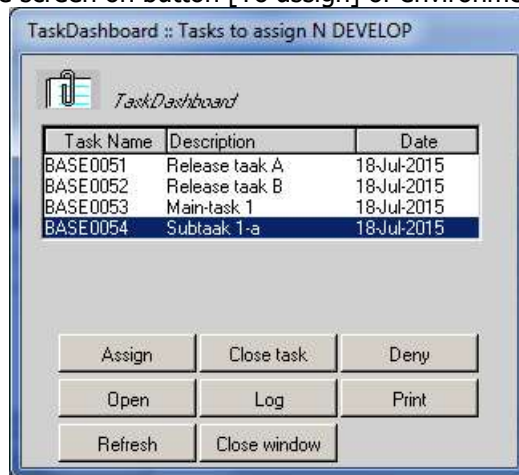
For MY systems	To assign	Busy	To approve	Ready	To reprocess (QF)	Done since 18-04-2015
DEVELOP	4	1				30
ACCEPT					1	33
PROD						32

Buttons: Refresh, Toggle All/My systems, Print, Close

- The screen gives for each environment a line with buttons. Each line has the following buttons:
 - To assign
 - This button gives the number of tasks that are added in SURE but not assigned to anybody.
 - A click on the button gives a list with these task, with for each task the date when it was added to the list.
 - The same task-list is given by folder LifeCycle → Tasks to Assign.
 - Busy
 - This button gives the number of tasks where users are working on.
 - A click on the button gives a list with these task, with for each task the date when the work started (or when the task was promoted).
 - The same task-list is given by folder LifeCycle → Tasks Busy.
 - To Approve
 - This button gives the number of tasks that must be approved.
 - A click on the button gives a list with these task, with for each task the date when it was added to the 'to-approve' list.
 - The same task-list is given by folder LifeCycle → Tasks Ready, but only the tasks with the 'to approve' icon.
 - Ready
 - This button gives the number of tasks that are ready to be transferred to the next environment.
 - A click on the button gives a list with these task, with for each task the date when it was added to the 'ready' list.
 - The same task-list is given by folder LifeCycle → Tasks Ready, but only the tasks with the 'ready' icon.
 - To reprocess
 - This button gives the number of tasks that are used for a quick-fix, but the changes for the quick-fix are not yet reprocessed.
 - A click on the button gives a list with these task, with for each task the date when it was added to the 'to-reprocess' list.
 - The same task-list is given by folder LifeCycle → Tasks QuickFixed.

- Done since
- This button gives the number of tasks that are done on an environment since a date. Done means: transferred to the next environment, or when the task got status solved (on the highest environment).
 - A click on the button gives a list with these task, with for each task the date when it was done.
 - The date-since is determined by the number of days before today. This number can be defined via Global Options → Tab: History

A click on a button gives the corresponding list with tasks. For example a click in the above example screen on button [To assign] of environment DEVELOP gives the following list:



You can click on a task-name to select it and then use one of the buttons on the screen to execute the corresponding function. For example: Button [Close task] on the above screen closes the selected task immediately.

Each task-list has a set with 'function buttons' that are handy for tasks with that state:

Task list	Buttons	
To assign	<ul style="list-style-type: none"> - Assign - Close task - Deny 	<p>Assign the task to a user</p> <p>Change the status immediately to 'solved'</p> <p>Similar as close, but with sub-status 'Denied'</p>
Busy	<ul style="list-style-type: none"> - Ready - Transfer - Assign 	<p>Ready to be transferred to the next environment</p> <p>Transfer the task to the next environment</p> <p>Assign the task to a user</p>
To Approve	<ul style="list-style-type: none"> - Approve - Assign 	<p>Approve the task to be transferred</p> <p>Assign the task to a user</p>
Ready	<ul style="list-style-type: none"> - Transfer - Assign 	<p>Transfer the task to the next environment</p> <p>Assign the task to a user</p>
To reprocess	<ul style="list-style-type: none"> - Reprocess - Assign 	<p>Reprocess the changes of this task on another environment</p> <p>Assign the task to a user</p>
Done since	<ul style="list-style-type: none"> - Reactivate 	<p>Reactivate the task on an environment</p>

The following 'function buttons' are available on all tasks lists:

- Open task properties
- Log: show the task log
- Print the task list
- Refresh the task list

The date of task-list 'Done since <date>' is determined by the number of days before today. This number can be defined via Global Options → Tab: History

Task / Global

Option

Task / Global sure security history sure compilers Development (R Language sure cleaner

Definition for historical records in repository

	Days	Min Entry	Max Entry
Remove log information after	180	20	44
Remove file taskhistory after			
Remove solved tasks after			

Parameters for RESPECT/SURE/CLEANER

	Days
Remove datafiles after	
Remove sources files after	
Remove object files after	
Remove history of Tasks Done after	60

Apply Delete Line Insert Line Print Close

- In this example: all tasks that are 'done in the environment' during the last 60 days

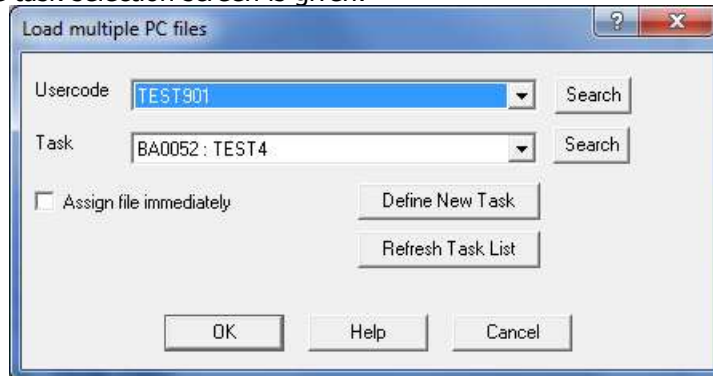
The first time that the Task Life Cycle dashboard is used after the 'number of days Task Done' is changed will take some extra time, because in that case the correct content of the 'Done since' lists has to be re-calculated.

Task-0173-SURE Review function 'Load directory of PC files in SURE'

Function 'Load directory of PC files in SURE' can be found via:

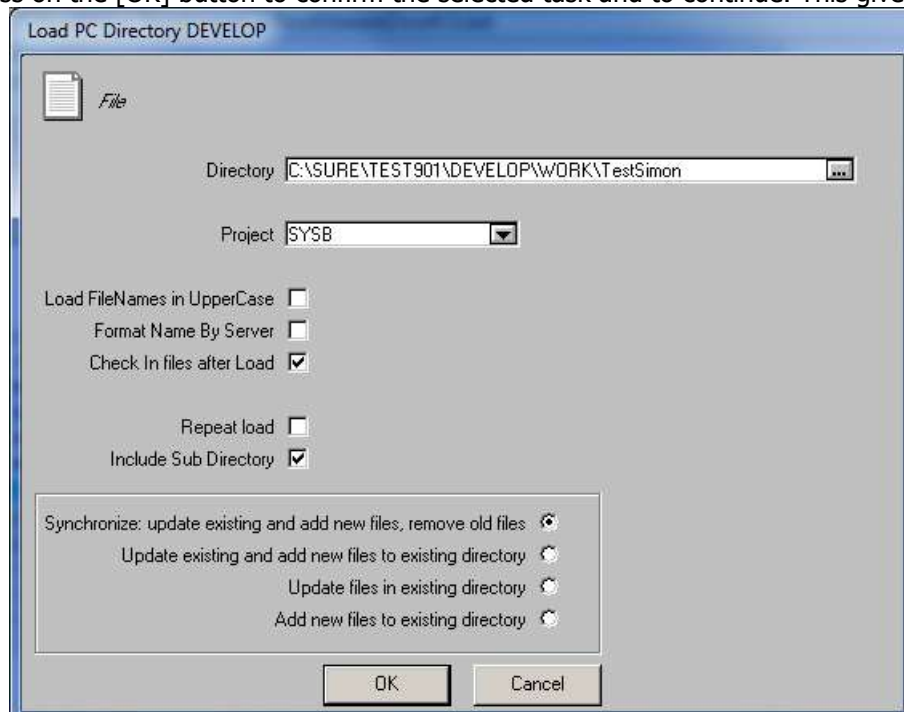
Toolbar → Tools → PC environment → Load directory of files in SURE

The task-selection screen is given:



- Usercode:
 - Your log-on usercode is pre-filled.
 - The usercode must be allowed to use functions Assign, Request, New File, Check out and Check in
- Task:
 - The task-list depends on the usercode
 - Each changed file is linked to the selected task

Press on the [OK] button to confirm the selected task and to continue. This gives the next screen:

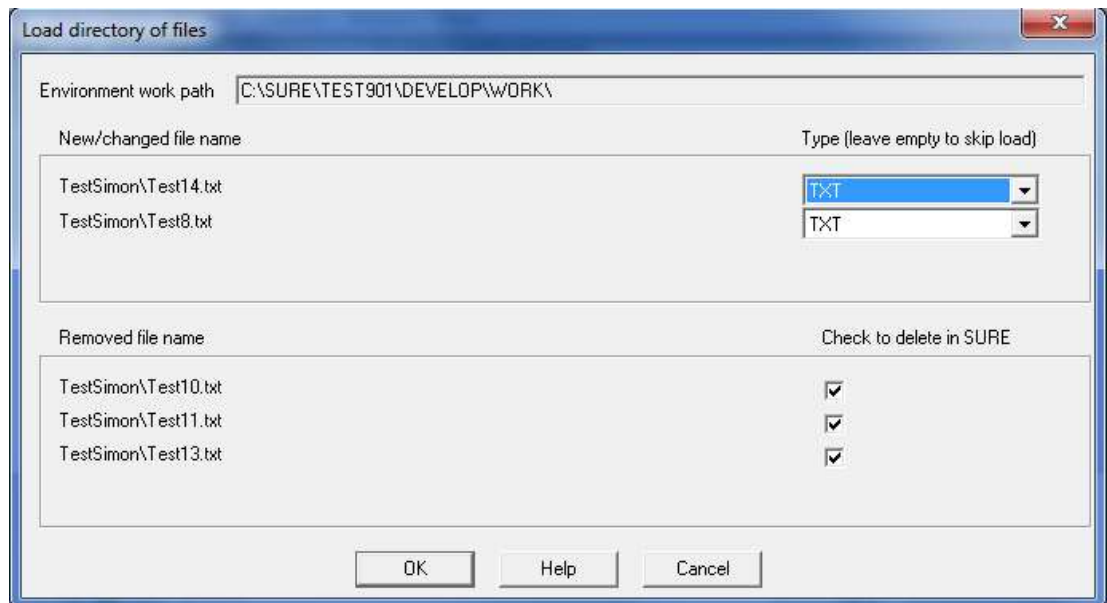


- Directory:
 - This must be an sub-directory of the user's local work-directory
 - The user's local work-directory is skipped from the filename. In this example:
 - The local work-directory = C:\SURE\TEST901\DEVELOP\WORK\
 - The files loaded in SURE start with directory TestSimon\

- Project:
 - o This must be a valid system name or project name
- Load file names in uppercase:
 - o If this checkbox is enabled then all file names are translated to uppercase, but existing directory-names will keep their current case
- Format name by Server:
 - o If this checkbox is enabled then the filenames are translated to camel case, but existing directory-names will keep their current case
- Check in after load:
 - o If this checkbox is enabled then the files are checked-in automatically, otherwise changed and new files are only set to status checked-out, and the user has to do the check-in at a later moment
- Repeat load:
 - o Return to this screen after the load, to load the next directory
- Include sub-directory:
 - o If this checkbox is enabled then files in sub-directories are also loaded
- Load options:
 - o Synchronize (add new, update existing and remove old files):
 - This function is new in release 90
 - The directory in SURE becomes identical to the directory on disk
 - This load method is also available in batch-mode when option SYNC=TRUE is used
 - o Update existing and add new files to existing directory:
 - Files in SURE are not removed
 - This load method is also available in batch-mode when option SYNC=FALSE is used
 - o Update files in existing directory:
 - Only changed files are updated, no add or remove
 - This load method is not available in batch-mode
 - o Add new files in existing directory:
 - Only add new files. Changed files are not updated
 - This load method is not available in batch mode

Press on button [OK] to confirm the data on the screen.

SURE is now going to compare the directory on disk with the directory in SURE via the chosen load option. Files that are subject to change are listed on the final screen:



- The upper part of the screen shows the new or changed files.
 - o The file-extension is pre-filled as file-type, but you can change it to any other valid file-type for PC-files.
 - o If the type-field is emptied then the file won't be loaded.
- The lower part of the screen shows the files that are going to be removed from SURE
 - o Only files with an enabled checkbox are removed

Press on button [OK] to start to load.

Task-0176-SURE New: support for file attribute product

The project property screen contains now field 'Product':

Project SYSB SYSB

System SYSB Project SYSB in environment : DEVELOP

Project Environment

Source maintenance via patch files ☐ Merge solved patchfiles after # days

Merge patch files automatically ☐

Allow different version of symbol file (of patch files) ☐

Send Email to

Responsible for system

SURE Compile & Build options in : DEVELOP

PC build commands

PC build replace table

Compiler/Generator runs with charge code

Task Attributes assigned to compiled object

Listing

CP/NX compiler card input

CP/NX compile translate table

Product

Other parameters in : DEVELOP

Licence key for delivery tape

Resource definition

Default resource version

Add project name to source name (RIS) ☐

Apply Build & Replace Print Close

- In this example screen the defined product is 'System B'

The defined value is used in the following cases:

- The product text is inherited from the project of the file. If the project does not have a product text, then it is inherited from the system of the file.
- When a source file is copied from SURE to disk (via function copy, check-out, dump, et cetera), the product text is assigned to file attribute PRODUCT of the source file.
- When the object is compiled via RESPECT/SURE/COMPILE, the product text is assigned to file attribute PRODUCT of the object file.

Example

```

LFILE SIMON/PROG/1 :PRODUCT
#RUNNING 7514
#?
ON IDR
(TEST901) : DIRECTORY
. SIMON : DIRECTORY
. . PROG : DIRECTORY
. . . 1 : DMALGOLSYMBOL PRODUCT="System B"
#

```

Technical details

The product text must be defined the Project properties. The path to this function is via folder Configuration → System → <environment> → <system-name> → <project-name>

The user must have authorization 'Global: System and project' to be able to update the product text.

If the product-text starts with 'GLOBAL', then it is applicable for all SURE-environments, otherwise it is only applicable for the environment on which it is defined.

- Combinations are possible, for example:
 - o First define product 'GLOBAL <product text>', applicable for all environments;
 - o Then (on environment DEVELOP) define <product text> without the prefix 'GLOBAL ', and that overrules the global product text on environment DEVELOP.
- The prefix 'GLOBAL' will not be included in the file attribute text

If the product-text contains token <ENVIRONMENT>, then that token is replaced by the actual SURE-environment. For example:

Project SYSB SYSB

System SYSB Project SYSB in environment : DEVELOP

Project Environment

Source maintenance via patch files ☐ Merge solved patchfiles after # days

Merge patch files automatically ☐

Allow different version of symbol file (of patch files) ☐

Send Email to

Responsible for system

SURE Compile & Build options in : DEVELOP

PC build commands

PC build replace table

Compiler/Generator runs with charge code

Task Attributes assigned to compiled object

Listing

CP/NX compiler card input

CP/NX compile translate table

Product GLOBAL System B.<ENVIRONMENT>

Other parameters in : DEVELOP

Licence key for delivery tape Default resource version

Resource definition

Add project name to source name (RIS) ☐

Apply Build & Replace Print Close

- This gives the following PRODUCT when the file is copied from SURE-environment DEVELOP to disk:

```
lfile simon/prog/1 :product
#RUNNING 7520
#?
ON IDRD
(TEST901) : DIRECTORY
. SIMON : DIRECTORY
```

```
. . PROG : DIRECTORY
. . . 1 : DMALGOLSYMBOL PRODUCT="System B.DEVELOP"
#
```

The product text is determined as follows:

- Use the product text of the project of the file on the current environment
- If not found: use the product of the project of the file on the global environment
- If not found: use the product of the system of the file on the current environment
- If not found: use the product of the system of the file on the global environment

Task-0177-SURE New: support for file attribute NOTE

The file property screen contains now field 'Note':

The screenshot shows a window titled 'File SIMON/PROG/1 DEVELOP'. It has tabs for 'File', 'Object', 'Sure', 'Compiled', 'Version', and 'Statistics'. The 'Object' tab is active. Under 'Object location', fields show 'Usercode: TEST901', 'Pack: IDRD', 'Host', and 'Name: OBJECT/SIMON/PROG/1'. Under 'Object specification', there are checkboxes for 'CP/NX compiler card input', 'Security', 'Type / Use / Guardfile', 'Mark Program (MP) options', and 'io'. A red box highlights the 'Note' field, which contains the text 'Instructions for this file'. Below it is a 'Database Guard Info' section and 'Attributes for object and/or compiler'. At the bottom are buttons for 'Maintenance', 'Configuration', 'Info', 'New', 'Print', and 'Close'.

- In this example screen the defined note is 'Instructions for this file'

The defined value is used in the following cases:

- When the source file is copied from SURE to disk (via function copy, check-out, dump, et cetera), the value is assigned to file attribute NOTE of the source file.
- When the object is compiled via RESPECT/SURE/COMPILE, the value is assigned to file attribute NOTE of the object file.

```

LFILE SIMON/PROG: NOTE
#RUNNING 6313
#?
ON IDRD
(TEST901) : DIRECTORY
. SIMON : DIRECTORY
. . PROG : DIRECTORY
. . . 1 : DMALGOLSYMBOL NOTE="Instructions for this file"
#

```

Technical details

The note text must be defined via File properties → Button [Maintenance] → Modify properties → Tab: object

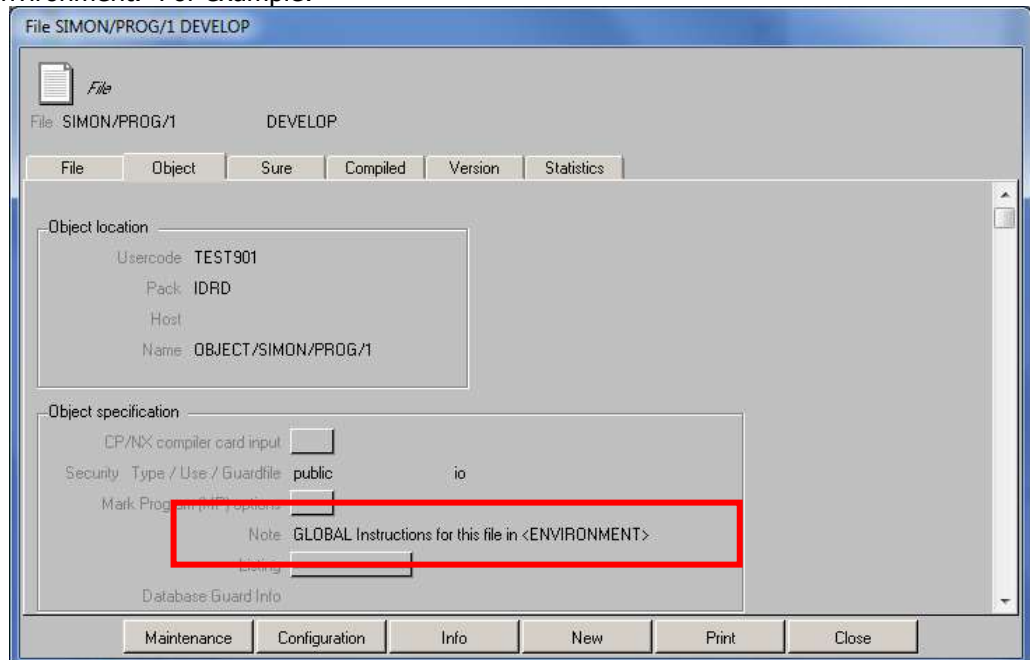
The user must have authorization 'SURE: Update object fields' to be able to update the note.

If the note-text starts with 'GLOBAL ', then it is applicable for all SURE-environments, otherwise it is only applicable for the environment on which it is defined.

- Combinations are possible, for example:
 - o First define note GLOBAL <note text>, applicable for all environments;
 - o Then (on environment DEVELOP) define <note text> without the prefix 'GLOBAL ', and that overrules the global note text on environment DEVELOP.
- The prefix 'GLOBAL' will not be included in the file attribute text

If a changed file is promoted (via a task) to a higher environment and that file has a note, then that note is not promoted.

If the note-text contains token <ENVIRONMENT>, then that token is replaced by the actual SURE-environment. For example:



- This gives the following NOTE when the file is copied from SURE-environment DEVELOP to disk:

```
lfile SIMON/PROG/1:NOTE
#RUNNING 6324
#?
ON IDRD
(TEST901) : DIRECTORY
. SIMON : DIRECTORY
. . PROG : DIRECTORY
. . . 1 : DMALGOLSYMBOL NOTE="Instructions for this file in DEVELOP"
#
```

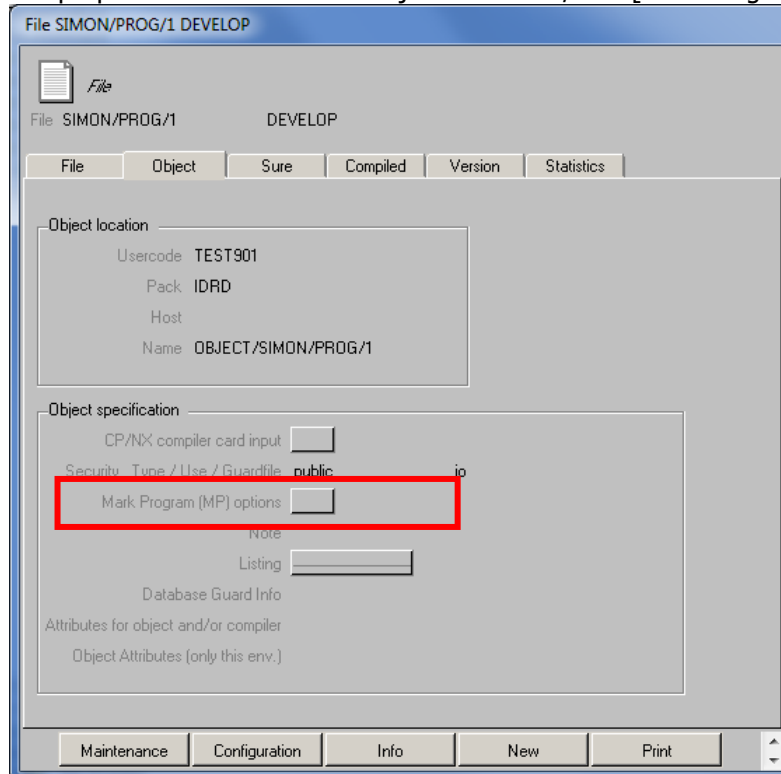
Task-0178-SURE Full support for ODT-command MP (Mark Program)

The MP (Mark Program) system command displays or changes any of a number of options that apply to object code files. For example: Command 'MP OBJECT/TST/1 +LOCKED' protects program OBJECT/TST/1 from being discontinued by a DS. The MP command is described in detail in the Unisys 'System Commands Reference' manual.

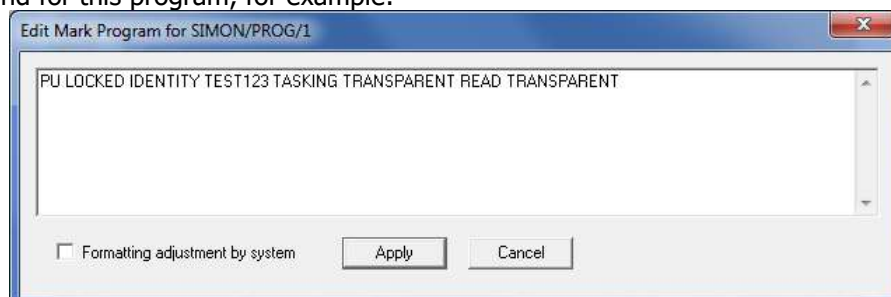
The MP options that must be assigned to an object can be predefined in SURE. The result is that each time when a program is recompiled, the predefined MP options are automatically applied to the compiled object.

The MP options are predefined via function

File properties screen → Tab: Object → Button/field [Mark Program (MP) options]:

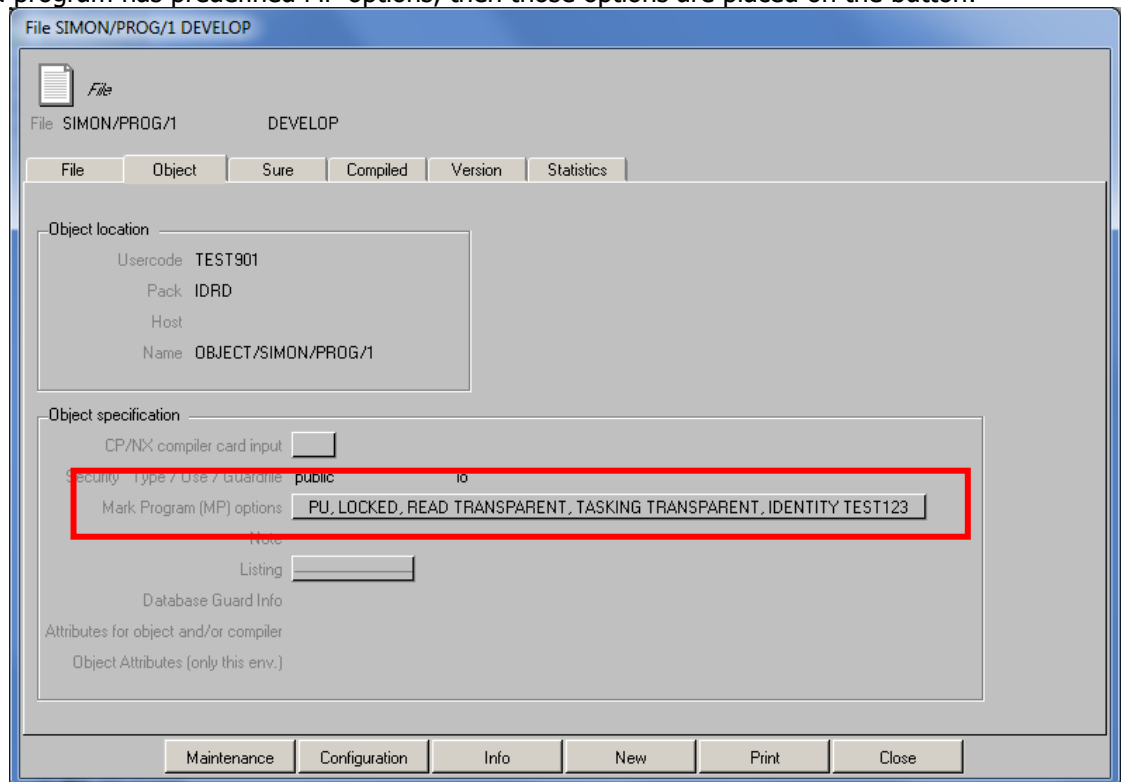


A click on the button gives a continuation screen where you can define the complete MP command for this program, for example:



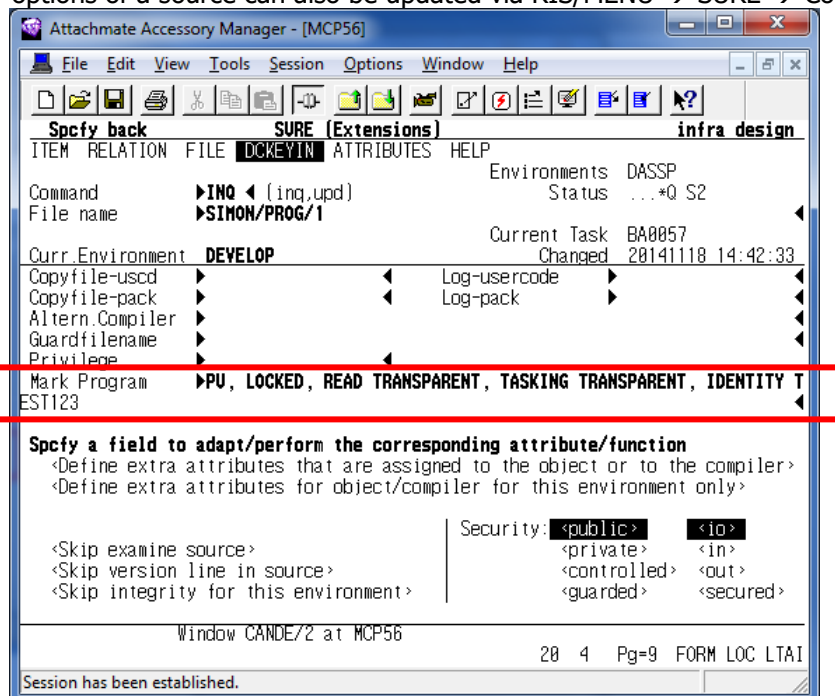
- Updating MP-options requires a current task:
 - o The changed MP options are linked to the task and applied to the source on higher SURE environments when the task is promoted to those environments
 - o Notice that the source itself is not linked to the current task when the MP options are changed.
- Updating MP-options requires authorizations 'SURE: Update object fields' plus 'SURE: Update' or 'SURE: UpdateOk'.
- All MP options are translated to uppercase, except the IDENTITY name and the WORKLOADGROUP name.

When a program has predefined MP options, then those options are placed on the button:

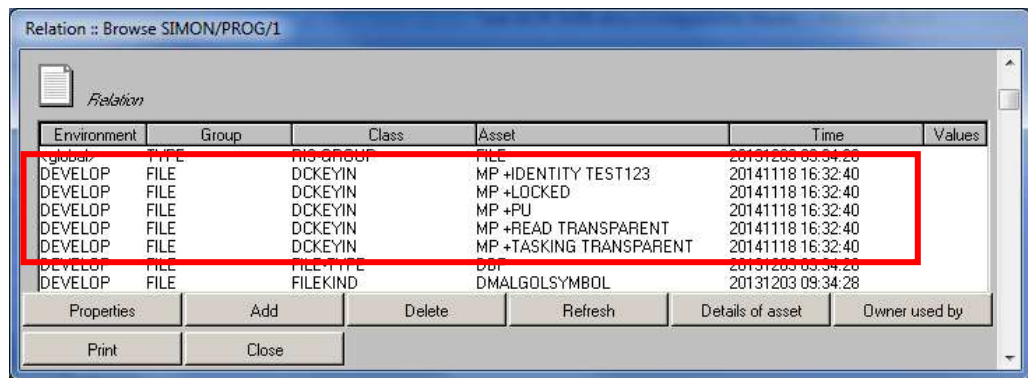


Technical details

The MP options of a source can also be updated via RIS/MENU → SURE → Command EXT:



Each MP option results in a DCKEYIN-relation:



Environment	Group	Class	Asset	Time	Values
Global	TYPE	FILE		20131203 09:34:28	
DEVELOP	FILE	DCKEYIN	MP +IDENTITY TEST123	20141118 16:32:40	
DEVELOP	FILE	DCKEYIN	MP +LOCKED	20141118 16:32:40	
DEVELOP	FILE	DCKEYIN	MP +PU	20141118 16:32:40	
DEVELOP	FILE	DCKEYIN	MP +READ TRANSPARENT	20141118 16:32:40	
DEVELOP	FILE	DCKEYIN	MP +TASKING TRANSPARENT	20141118 16:32:40	
DEVELOP	FILE	FILETYPE	DDT	20131203 09:34:28	
DEVELOP	FILE	FILEKIND	DMALGOLS YMBOL	20131203 09:34:28	

Properties Add Delete Refresh Details of asset Owner used by

Print Close

- When the program is compiled, each MP option is applied to the created object. This happens in the following cases:
 - o Compilations started via RESPECT/SURE/COMPILE
 - o Local compilation started from SUREforWindows via Rightclick → Compile → Local
 - o Compilations started under Cande via job WFL/<environment>/COMPILE

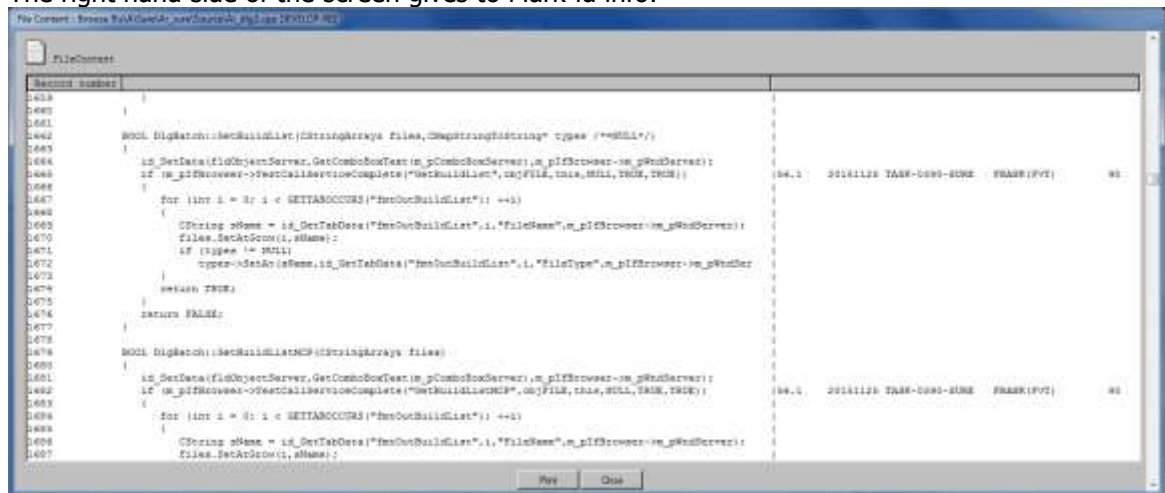
Task-0256-SURE New: 'Mark-id' info for changed source lines in PC-files

SURE now maintains for each PC source file a separate 'Mark-id file' with information about the changed lines of the PC file.

Each line in an MCP algo/cobol source contains by default a Mark-id. This (hidden) field is used by SURE to store information about who, why and when the line was changed for the last time. Lines in a PC source file don't have a Mark-id, but SURE now keeps for each PC-source an extra 'Mark-id file' that contains information about the lines of the PC-file. The 'Mark-id file' is not created for binary PC-files (such as Office documents, et cetera).

The Mark-id file is only visible via function File Properties → button [Info] → List

The right hand side of the screen gives to Mark-id info:



The following information is kept for each changed line:

- The FileVersion number of the source when the line was changed
- The date of the change (check-in)
- The reason why the line was changed (task-name)
- The user who changed the line
- The release number of the application system at the moment of the change

Task-0257-RIS Procedure to copy a DMS2-INFDB to SQL-server on Windows

It is possible to copy a RIS/SURE repository from the MCP to Windows as an SQL-server database. This paragraph describes the procedure.

Step 1: Create the Repository Environment on Windows

Refer to chapter 'Create a SURE Repository Environment on Windows' for details about this procedure.

This chapter handles the following steps:

- Create the directory structure of the Repository Environment
- Install the SURE software
- Define the Microsoft Message Queues
- Create an empty database
- Create the ODBC connection to the database
- Create the configuration file

At the end of this step the Repository Environment is available with an empty database, ready to be loaded with data.

Step 2: Upgrade the repository to level 90.x

The repository on the MCP must be of level 90.1 or higher before it can be copied as an SQL-server database on Windows.

Refer to chapter 'Upgrade the repository to level 90.6' (TASK-0272-SURE) for details about this procedure.

Step 3: (RIS only) Convert DODFIL files from MCP-files to PC-files

This step can be skipped if you don't use program RIS/LOAD/DODDLE. If you don't use this program then proceed with step 4.

By default, the DODFIL files (a.k.a. dodfils) are loaded in SURE as MCP-files. For a repository on Windows it is required that the dodfils are loaded in SURE as PC-files. The repository upgrade to release 90.x does not automatically convert these file from MCP-style to PC-file, so this must be done manually.

The procedure is as follows:

1. Define a new file-type for the converted PC-style dodfils, with the following settings:
 - o Skip examine after check-in
 - o Files of this type do not have an object location
2. Check via RIS/MENU → 'Ris init' → <Define name standards> if a name-standard with key PC-ROOT-DIR or UNIX-ROOT-DIR exists. If the application platform is UNIX then UNIX-ROOT-DIR must exist otherwise PC-ROOT-DIR must exist.

The converted dodfils are named: <name-standard>\DODFIL\<node>.TXT

3. Copy the MCP-style dodfils-files as PC-style:

```
RUN RESPECT/REPOSITORY("CONVERT-TO-PC-FILE DODDLE DIRECTORY <dir> FILE-TYPE <typ>")
```

<dir> = the directory of the MCP-style dodfils. For example: DODFIL

<typ> = the file-type for PC-style dodfils. For example PC-DODFIL

Notice that the MCP-style files are copied as PC-style files. So you can compare the two directories afterwards to check if the content of all files are the same.

When the conversion of the dodfiles is done, RIS/LOAD/DODDLE will use the converted PC-style dodfiles for input, also on the MCP platform.

Step 4: (RIS only) Convert SEL-EXPRESSION files from MCP-files to PC-files

This step can be skipped if you don't use program RIS/GENERATE/SEL. If you don't use this program then proceed with step 5.

By default, the SEL-EXPRESSION files (a.k.a. sel-expressions) are loaded in SURE as MCP-files. For a repository on Windows it is required that the sel-expressions are loaded in SURE as PC-files. The repository upgrade to release 90.x does not automatically convert these file from MCP-style to PC-file, so this must be done manually.

The procedure is as follows:

1. Define a new file-type for the converted PC-style sel-expressions, with the following settings:
 - Skip examine after check-in
 - Files of this type do not have an object location
2. Check via RIS/MENU → 'Ris init' → <Define name standards> if a name-standard with key PC-ROOT-DIR or UNIX-ROOT-DIR exists. If the application platform is UNIX then UNIX-ROOT-DIR must exist otherwise PC-ROOT-DIR must exist.

The converted sel-expressions are named: <name-standard>\SELEXPR\<node>.CPY

3. Copy the MCP-style sel-expression-files as PC-style:

```
RUN RESPECT/REPOSITORY("CONVERT-TO-PC-FILE SELEXPR DIRECTORY <dir> FILE-
TYPE <typ>")
```

<dir> = the directory of the MCP-style sel-expressions. For example: S/SELEXPR
 <typ> = the file-type for PC-style sel-expressions. For example PC-SEL-EXPR

Example of the conversion of the MCP-style sel-expressions to PC-style sel-expressions:

```
r respect/repository("CONVERT-TO-PC-FILE SELEXPR DIRECTORY S/SELEXPR FILE-TYPE PC-SEL-EXPR")
#RUNNING 5471
#5471 DISPLAY: CONVERT-TO-PC-FILE SELEXPR DIRECTORY S/SELEXPR FILE-TYPE PC-SEL-EXPR.
#5471 DISPLAY: This program runs for environment: DEVELOP.
#5471 PK503 REPLACED (TEST901)BA/SELEXPR/"BAE0001.CPY" ON IDRD
#5471 PK503 REPLACED (TEST901)BA/SELEXPR/"BAE0020.CPY" ON IDRD
#ET=4.4 PT=1.1 IO=0.2
```

Notice that the MCP-style files are copied as PC-style files. So you can compare the two directories afterwards to check if the content of each converted file is the same.

When the conversion of the sel-expressions is done, RIS/GENERATE/SEL will use the converted PC-style sel-expressions for input, also on the MCP platform.

Step 5: Dump the content of the MCP-repository into data files

Program RIS/DUMP/INFDB copies the content of the MCP repository into data files. A separate data file will be created for each dataset, source-file-version and delta-file. So, this may count up to a large number of files.

The procedure is as follows:

- Log on to Cande with the usercode and family where the data files must be placed.
- Check if there is enough space available on the pack. The required space is: twice the size of the repository.
- The data files are placed on disk in directory DUMPSRC/=. You have to clean this directory before you start.
- Check if a valid file RESPECT/TITLES (which points to the correct repository) is visible.
- RUN \$OBJECT/RIS/DUMP/INFDB

The files are dumped to a DUMPSRC** directory. These are the directories DUMPSRC, DUMPSRC01, DUMPSRC02, et cetera, to DUMPSRC15.

The number of files that have to be dumped and file-transferred can be very large, and that can be a problem if the repository has to be migrated from MCP to Windows in a limited period of time. The following procedure can be used to mitigate this:

- One week before the actual migration date:
 - o RUN \$OBJECT/RIS/DUMP/INFDB("DSTOR");
 - This dumps the content of dataset DSTOR (all files and delta-files) in directories DUMPSRC**
 - o File-transfer directories DUMPSRC** to Windows, as described in step 6 hereafter.
 - o Do not remove the DUMPSRC** directories because they are needed for the final comparison.
- The majority of the files are now copied to Windows, and ready to be loaded in the SQL-server repository. The final step is to dump and download the files that are going to be changed during the last week.
- At the actual migration date:
 - o RUN \$OBJECT/RIS/DUMP/INFDB("DSTOR PREFIX = LASTSRC");
 - This compares the files in the DMS2-repository with the DUMPSRC** directories on disk. The files that are not yet resident in directory DUMPSRC** are dumped to directory LASTSRC**
 - File DUMP/FDSTOR is re-created and contains parameters for all files that have to be loaded in the SQL-server repository.
 - o Copy the directories LASTSRC** as DUMPSRC** to another usercode
 - o File-transfer directories DUMPSRC** from the other usercode to Windows, as described in step 6 hereafter.
 - o Optional: Change the directories LASTSRC** as DUMPSRC** to the same usercode so that you can repeat this action
- The files that are changed during the last week are now also copied to Windows.
- You can load the files in the SQL-server repository, as described in step 7 hereafter.

Step 6: File-transfer the data files from the MCP platform to Windows

The data files have to be copied from the MCP to Windows via a binary FTP.

The number of data files that are going to be copied can be very large, and by default an ftp-open-session and ftp-close-session is done for each data file. That can be very time consuming

and therefore we made bat-file GET_INFDB_DATA.BAT which starts 16 concurrent ftp-sessions. This bat-file is located in the SCRIPT directory of the Repository Environment.

The procedure is as follows:

- Log on to the Windows-server where the data files are going to be loaded into the SQL-server database.
- Check if there is enough space. The same amount of space is required as on the MCP.
- Create an empty 'download' directory, for example D:\dump_infdb_files.
- Copy bat-file GET_INFDB_DATA.BAT from the SCRIPT directory to the download directory.
- Open a command prompt on the download directory.
- GET_INFDB_DATA.BAT requires 3 parameters:
 - o The MCP-hostname or its IP-address
 - o The usercode where the data files are located on the MCP
 - o The password of that usercode
- Start the bat file from the command prompt as follows:
 GET_INFDB_DATA <MCP-name> <usercode> <password>
- The data files are placed in sub-directory data*.*

So, if the download directory is for example C:\dump_infdb_files, then the downloaded data files are placed in C:\dump_infdb_files\data*.*

Step 7: Load the data files into the SQL-database

This step requires that the Repository Environment on Windows is available with an empty SQL-server database. Check step 1 for details. The directory of the Repository Environment has the following name:

<Drive-letter>:\SURESERVER\<repository-name>*.*

For example: D:\SURESERVER\SAS*.*

The data files are loaded in the SQL-server database via the following batch procedures:

- SQL-script LOAD_INFDB.SQL
 - o This script loads the tables. For each table there is a data file called dump<dataset name> (for example dumppdfil.txt)
- Program LOADSTOR.EXE
 - o This program loads the program sources and the delta files

Use SQL-script LOAD_INFDB.SQL to load the tables. The procedure is as follows:

- LOAD_INFDB.SQL is located in the DATABASE directory of the Repository Environment.
- Replace in SQL-script LOAD_INFDB.SQL the keyword <dir> by the directory-path where the downloaded data files are placed, where each backslash is replaced by a double backslash. For example:
 - o If the downloaded data files are placed in directory C:\dump_infdb_files\data, then replace all keywords <dir> by C:\\dump_infdb_files\\data.
 - o So, for example, line
 bulk insert dinfdb from '<dir>\\dumpinfdb.txt' with (datafiletype = 'char', fieldterminator = '|')
 is replaced to
 bulk insert dinfdb from 'C:\\dump_infdb_files\\data\\dumpinfdb.txt' with (datafiletype = 'char', fieldterminator = '|')
 - o Do this for all keywords <dir> in the load script
- Open Microsoft SQL-server Management Studio
- Open the database
- Load and execute SQL-script LOAD_INFDB.SQL

After this step the repository-data is loaded, but all source files and delta files are still empty.

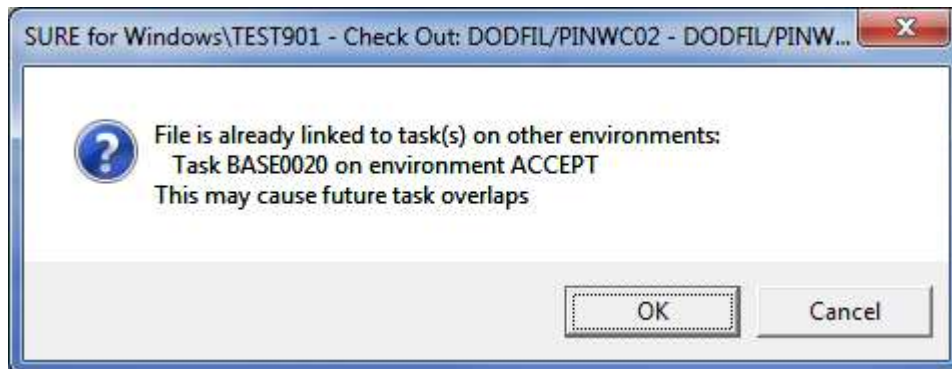
Use program LOADSTOR.EXE to load the sources and delta files. The procedure is as follows:

- LOADSTOR.EXE is located in the BIN directory of the Repository Environment
- Program LOADSTOR.EXE expects two parameters:
 - o -C <name-of-configuration-file> (via a relative or absolute path)
 - o The path where the downloaded data files are placed
- Open a command prompt on the BIN directory.
- Run the program from the command prompt, for example:
LOADSTOR -C ..\SURESERVER.CONFIG C:\ dump_infdb_files \data
- The elapsed time of the load will be 1 to 3 hours.

The database is now ready to use.

Task-0264-SURE Extra check on possible task overlap at Check-out

When a source is checked-out but it is already linked to one or more other tasks on a higher environment, then the following warning is given:

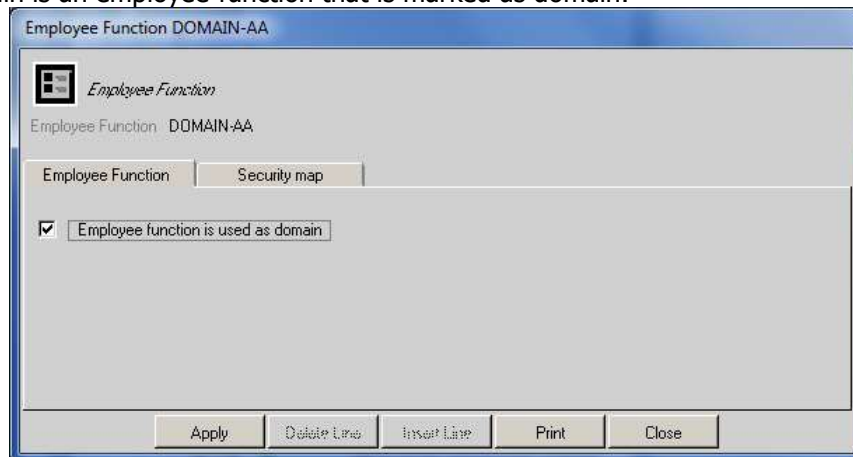


The warning is only given when to source is not yet linked to the new task.

Task-0271-SURE Review of Domain functionality

If a source is linked to a domain then only a user in that domain is able to update, see or copy that file.

A domain is an employee-function that is marked as domain:



The complete domain functionality works as follows:

In SUREforWindows:

- A user can add a file to a domain (via update file properties) if that user is already linked to the domain (employee-function) , or if the user has authorization 'Global: use domain'
- A user can remove a file from a domain (via update properties) if that user is linked to the domain, or if the user has authorization 'Global: use domain'
- A user can change the domain of a file (via update properties) if that user is linked to the old and the new domain, or if the user has authorization 'Global: use domain'
- If a file is linked to a domain, then the following commands are restricted for users with the domain, or for users with authorization 'Global: use domain':
 - o Request
 - o Check out
 - o Modify Properties
 - o Remove logically / Restore logically removed file
 - o Purge / Recover
 - o View / Copy
 - o Change Filekind
 - o Rename
 - o Resequence
 - o Load attachment / Delete attachment
 - o Transfer task

In RIS/MENU → SURE:

- A user can add a file to domain to a source via function GETIT DOMAIN <domain> if that user is linked to the domain, or if the user has authorization 'Global: use domain'
- A user can remove a file from a domain (via function DOMAIN in Resyde) if that user is linked to the domain, or if the user has authorization 'Global: use domain'
- If a file is linked to a domain, then the following commands are restricted for users with the domain, or for users with authorization 'Global: use domain':
 - o REQUEST, GETIT, EDIT, UPD, REM, ACT, PUR, REC, VIEW, LIST, COPY, LIST MATCH, RENAME, RESEQ and Transfer task

Task-0272-SURE Procedure to upgrade a repository to release 90.6

It is possible to upgrade a SURE-repository from any release directly to release 90.6

The upgrade procedure executes all required repository-data-conversions that are not yet done. These are:

- From release 70.x to release 80.3:
 - o Step 57: (RIS) Convert messages to regular MESSAGE entity
 - o Step 58: (RIS) Create empty formats for format-lists
 - o Step 59: (RIS) Change format option to generate algol include file
 - o Step 60: (RIS) Change format occurs markers to field-type = 13
 - o Step 61: (RIS) Move option CODE(REAL) to global environment
 - o Step 62: (RIS) Convert sel-path and sel-function definitions
 - o Step 63: (SURE) Add extra search nodes to files
 - o Step 64: (SURE) Define historical environments as branches (optional)
 - o Step 65: (SURE) Move file-authors and -functions to global env.
 - o Step 66: (RIS) Change function calls from screen to field-name
 - o Step 67: (RIS) Change technical-info to reminder or generate-info
 - o Step 68: (RIS) Change Sel-expression formats to Sel-expression files
- From release 80.x to release 90.6:
 - o Step 69: (RIS and SURE) Convert TIME and REL-VALUES to integer values
 - o Step 70: (SURE) Convert ROOT relations for PC-FILES to ROOT-PC
 - o Step 71: (SURE) Convert the language of ATTRIBUTES info
 - o Step 72: (RIS) Convert manual qualifications in doddle formats
 - o Step 73: (SURE) Convert task reference and short description

It is not possible to run a SURE program of release 70 or 80 against a 90.x repository

It is not possible to run a SURE program of release 90.x against a 70.x or 80.x repository, except for the program that upgrades the repository to release 90.6

So, once the repository is upgraded you can only use RIS and SURE programs of release 90.6

The complete upgrade to release 90 may take quite some time (up to 10 hours), depending on the content of your repository.

We recommend to make an offline dump of your repository before you start with the upgrade.

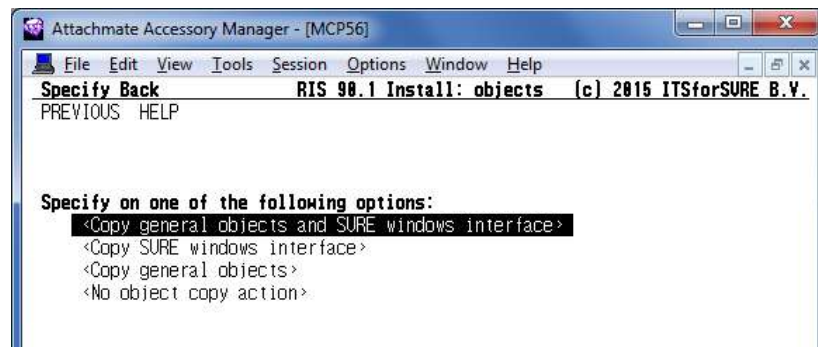
Standard upgrade procedure

Upgrade the repository to release 90.6 as follows:

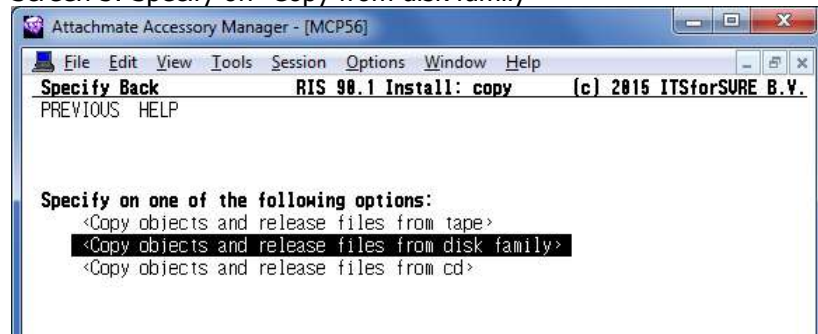
- Unwrap the containerfile with the 90.6 software release to your work-pack
- DO (INFRA)RESPECT/SETUP("<work-pack>(PACK)"), and enter the installation & upgrade parameters on the screens:
 - o Screen 1: Specify on "Upgrade the visible repository"



- o Screen 2: Specify on "Copy general objects and SUREforWindows interface"

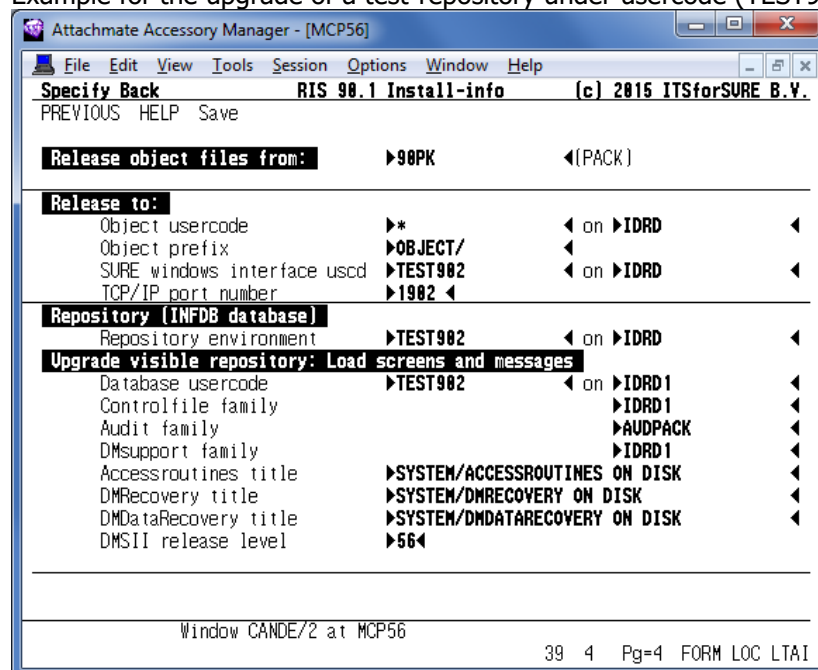


- Screen 3: Specify on "Copy from disk family"



- Screen 4: Your current configuration is pre-filled on the screen. Please check all the parameters

Example for the upgrade of a test-repository under usercode (TEST902)



In the above example screen the following is defined:

SURE objects	*OBJECT/RESPECT/= ON IDRD
SUREforWindows interface	(TEST902)OBJECT/RIS/API/= ON IDRD
SUREforWindows port number	1902
Repository environment	(TEST902)RESPECT/TITLES ON IDRD
Database location	(TEST902)INFDB ON IDRD1

- Change the parameters if you don't agree with the pre-filled parameters

- Transmit the screen once to confirm the parameters
 - Specify on the word "Save" on the second line, to generate job WFL/RIS/INSTALL
- Start WFL/RIS/INSTALL

Manual upgrade procedure

The manual procedure to upgrade the repository to release 90.6 is as follows:

- Copy the SURE objects and files of release 90.6 to the correct location
- Run the latest 80.3 version of RESPECT/REPOSITORY:
 - `RUN RESPECT/REPOSITORY/80 ("SET-REPOSITORY-LEVEL 80.3");`
- Run the 90.6 version of RESPECT/REPOSITORY 3 times:
 - `RUN RESPECT/REPOSITORY ("SET-REPOSITORY-LEVEL 90.6");`
 - `RUN RESPECT/REPOSITORY ("LOAD-FORMATS E");`
 - `RUN RESPECT/REPOSITORY ("LOAD-MESSAGES E");`

The MCP repository is now upgraded to release 90.6

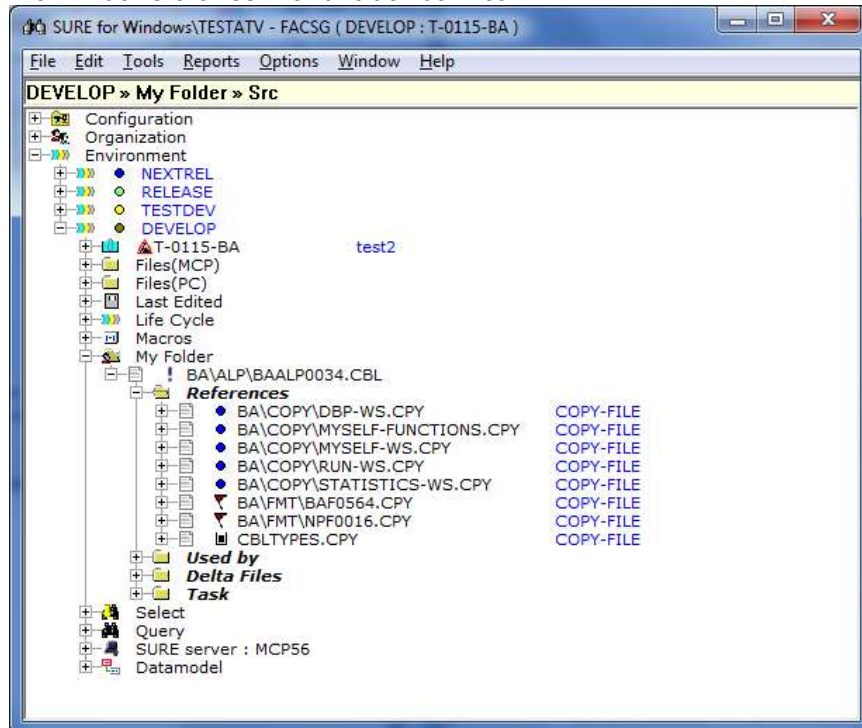
Task-0318-SURE New: define External References for files

It is now possible to define External References for files, to avoid unnecessary warnings when a source is transferred to the next environment.

Detailed information

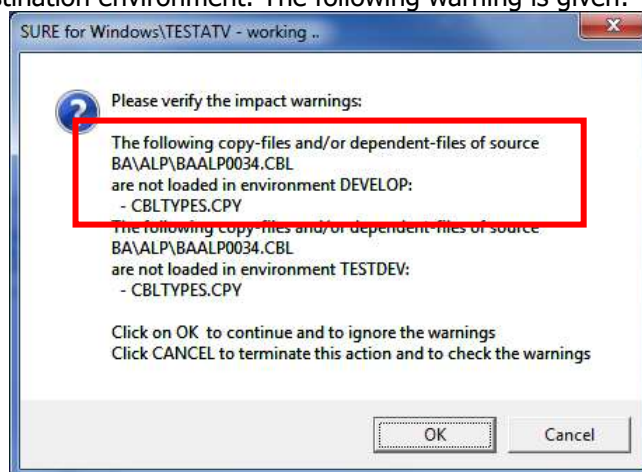
Some sources use include-files that are not loaded in SURE.

If a program refers to a missing include file, then that include file is marked in the SUREforWindows browse with a 'black box' icon.



Sometimes this is a mistake which can be solved by loading the missing include file in SURE. However it can also be a valid case when the missing include file is supplied by a 3rd party vendor. For example MicroFocus COBOL include file CBLTYPES.CPY.

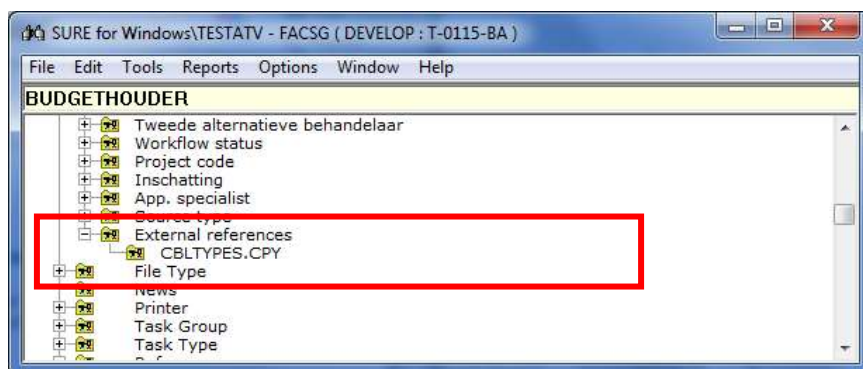
When a source with a missing include file is transferred to the next environment, then a warning is given that some of the required include files are not loaded in the source environment or in the destination environment. The following warning is given:



The External References can now be defined in SURE, to avoid unnecessary warnings when a source is transferred to the next environment.

The procedure is as follows:

- Open folder Configuration → Drop Down Box value → External References
 - o This shows the External References that are defined in SURE
- To add a new External Reference:
 - o Right click on folder External References and choose function New
 - o You can only define External References that are really referenced by a program

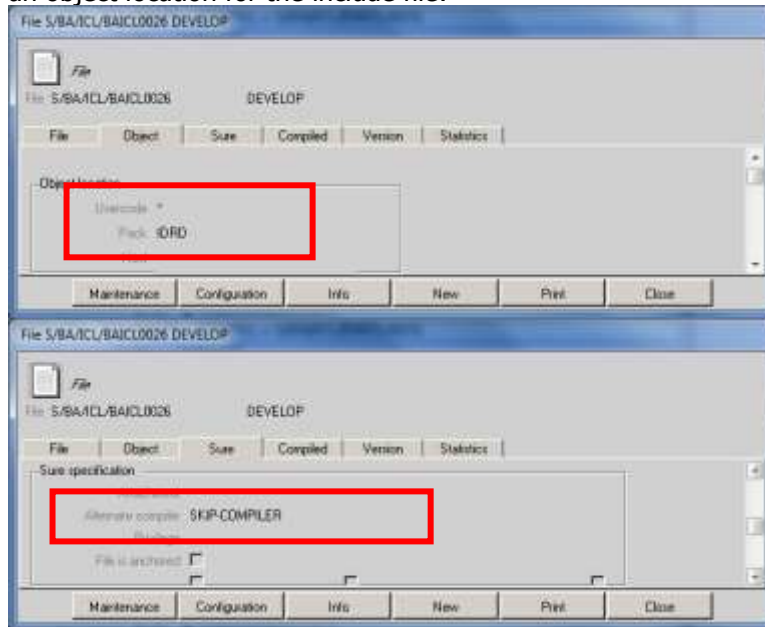


Task-0324-SURE New: deploy MCP-include file as a source to an object location

It is now possible to deploy an MCP include file as a source to an object location, together with all the compiled objects of the programs that are using this include file.

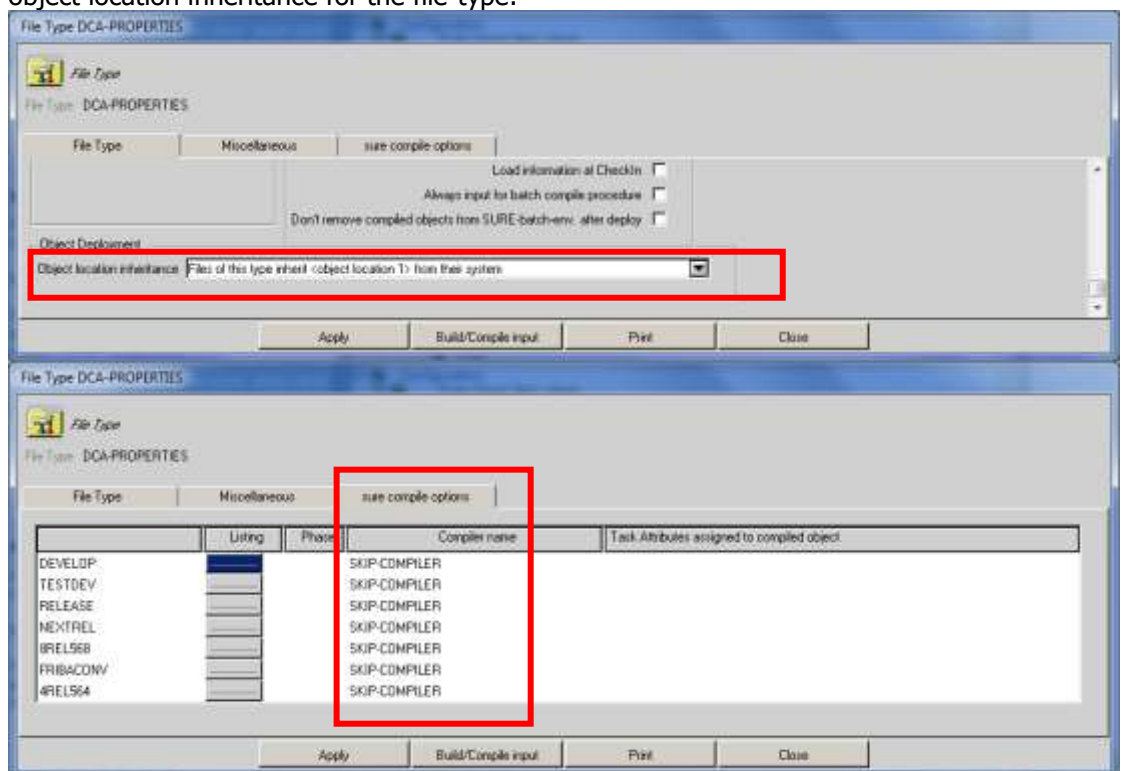
Method 1: For a specific include file:

- Define an alternate compiler for the include file with name 'SKIP-COMPILER' and define an object location for the include file:



Method 2: For all include files with a specific file-type:

- Define an alternate compiler for the file-type with name 'SKIP-COMPILER' and define an object location inheritance for the file-type:



Task-0334-SURE Configuration as SCC-provider must be done by administrator

SURE supports the standard SCC (Source Code Control) interface. Many IDEs (Interactive Developers Environment) use the SCC interface to create a direct connection to a source control system. This interface offers the following source control functions in the PC-editor:

- Add (new)
- Check-out
- Check-in
- Undo check-out
- Get latest version
- Copy old version

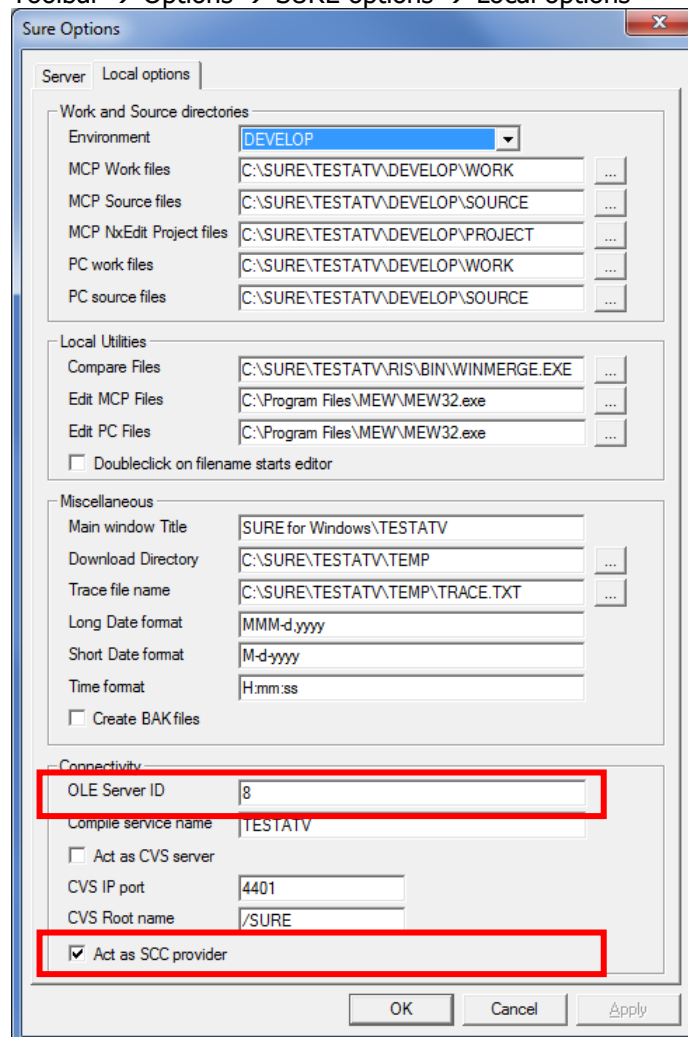
Configuration

The configuration of SURE to serve as SCC Provider must be done by an administrator, because these configuration settings are also added to the Windows Registry.

- A non-administrator gets an error message when he tries to change the option 'Act as SCC Provider'.
- A non-administrator gets an error message when he tries to change the option 'OLE Server ID' while option 'Act as SCC Provider' is enabled.

The procedure to configure SUREforWindows as SCC provider is as follows:

1. Run SUREforWindows with administrator rights to
 - o Toolbar → Options → SURE options → Local options



- o Required: enable option 'Act as SCC Provider'
- o Optionally: define the 'OLE server id', it must be a number between 1 and 99.

- The OLESERVER definition is only required when you have installed multiple instances of SUREforWindows on the same Windows workstation
 - The following settings now are added/changed in the global section of the AW_OBJ.INI file:
 - [GLOBAL]
 - SCCProvider=TRUE
 - OLESERVER=<nr 1 thru 99>
 - The OLESERVER definition is only required when you have installed multiple instances of SUREforWindows on the same Windows workstation.
 - The SCC-provider configuration settings are added or changed in the Windows Registry the next time that SUREforWindows is started
2. Stop SUREforWindows
 3. Start SUREforWindows again with administrator rights
 - The keys are added to the registry as soon as you see the log-on screen.

Example

Suppose that SUREforWindows SCC Provider is configured as follows on a 64-bits operating system:

- SUREforWindows is installed in directory C:\SURE\TEST903
- Option 'Act as SCC Provider' is enabled
- OLE Server ID = 13

then the following keys are added to the Windows Registry:

- [HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\SourceCodeControlProvider\InstalledSCCProviders]
SURE for Windows/TEST903 = Software\ITSforSURE\SfwScc.13
- [HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\ITSforSURE\SfwScc.13]
SCCServerName = SURE for Windows/TEST903
SCCServerPath = C:\SURE\TEST903\RIS\BIN\SFWSGCC.DLL
- [HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\ITSforSURE\SfwSccLocation]
C:\SURE\TEST903\RIS\BIN\SFWSGCC.DLL = 13

Task-0350-SURE Support for case sensitive passwords at log-on

In earlier releases, the passwords are always translated by SURE to uppercase before the call to the userdatafile is done. SURE supports now also case sensitive passwords.

If SECOPT option CASESENSITIVEPW is enabled, then:

- The entered password is *never* translated to uppercase. So, for the usercode/password check, it is passed to the userdatafile as entered: a mix of uppercase, lowercase, numbers and special characters. This is new.

If SECOPT option CASESENSITIVEPW is disabled, then:

- If the entered password does not contain special characters (so fully in <uppercase + lowercase + numbers>) then that password is translated to uppercase before it is passed to the userdatafile for the usercode/password check. This works the same as the old method.
- If the entered password contains special characters then that password is not translated to uppercase. So, for the usercode/password check, it is passed to the userdatafile as entered: a mix of uppercase, lowercase, numbers and special characters. This is new.
- Notice that (when CASESENSITIVEPW is disabled) SURE only supports lowercase characters in a password if that password also contains one or more special characters. We have chosen for this method to keep the log-on as much as possible the same as before.

Site-library procedure SITE_USERDATA

The example SURE site-library (source RESPECT/LIBRARY/SITE_FUNCTIONS) contains the procedure SITE_USERDATA. This example procedure is by default disabled, but when you enable it (via the EXPORT statement) then it overrules the standard SURE log-on functionality. Via this SITE_USERDATA procedure in the SURE site-library you can modify the log-on method to your own needs.

Diacritical characters in the password

It is also possible to use diacritical characters (like è, á et cetera) in the password, but that requires that function SITE_USERDATA in the SURE site-library is activated, and it requires a special translate table in SITE_USERDATA.

A password is entered via SUREforWindows on the Windows platform, and the validation of the password is done on the MCP.

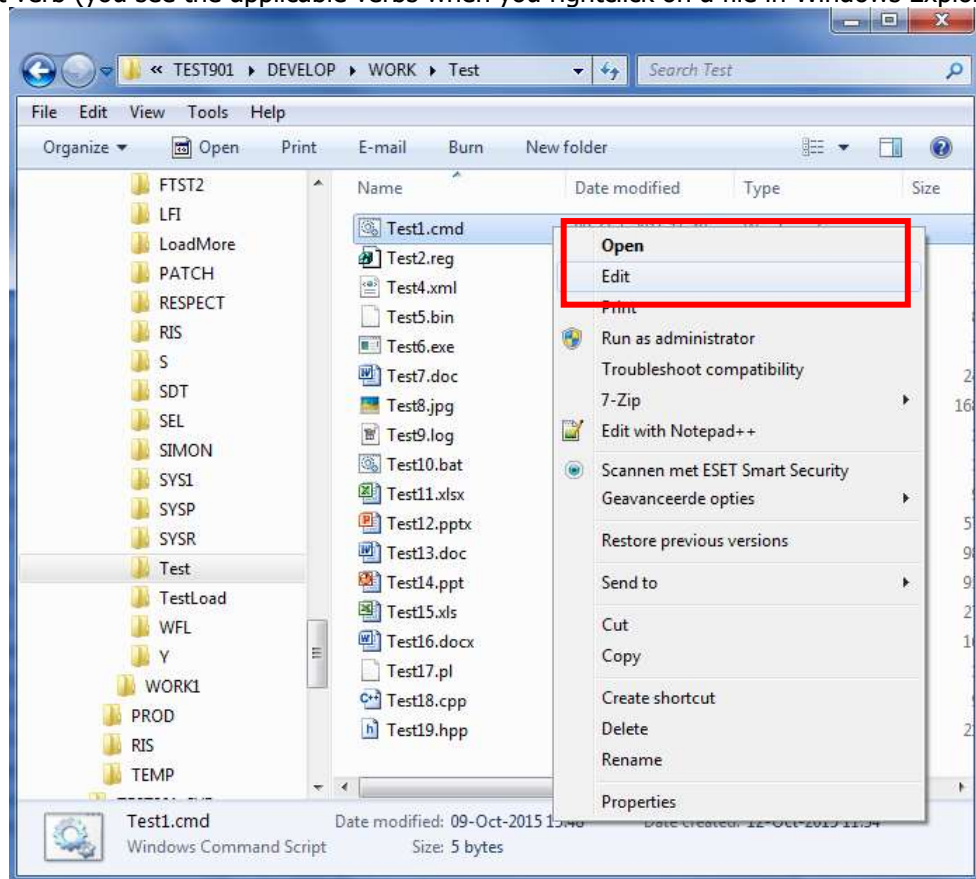
The issue is that the ASCII-hex representation of some diacritical characters on Windows is not the same as the ASCII-hex representation on MCP. The procedure to handle this is as follows:

- Write the required diacritical characters in a Notepad file in Windows, FTP the Notepad to the MCP with normal FTP (no binary), and open the uploaded file with SYSTEM/DUMPALL option LAN:
 - This gives the translated Windows-EBCDIC-hex-code
- Write the same diacritical characters in a DATA file in Cande-MCP. Open file DATA-file with SYSTEM/DUMPALL option LAN:
 - This gives the MCP-EBCDIC-hex-code of the diacritical characters
- Extend translate table DIACRITISCH_MCP in procedure SITE_USERDATA of the site-library with the obtained hex values (from Windows-EBCDIC-hex to MCP-EBCDIC-hex).

Task-0359-SURE Review method to open a PC-file in the correct editor

SUREforWindows uses the Windows File Associations to determine which editor must be started when you open a file with a specific file-extension. It is now possible to overrule the default Windows File Association of a specific file-type with a SURE File Association.

Under Windows-XP it was possible to define a Windows File Association for the Open verb and for the Edit verb (you see the applicable verbs when you rightclick on a file in Windows Explorer):



- The SURE Edit/View worked as follows in release 80:
 - o If a Windows File Association is defined for the Open verb, then that editor is used, otherwise the defined SURE-editor is used.

The Open verb defines the default Windows behavior when you open the file in Windows Explorer, and that can differ from the desired behavior when you want to edit a file via SUREforWindows. Some examples:

- If you open an XML file in Windows Explorer then you see that page in Internet Explorer. That is not the place where you can make changes to the XML-file.
- If you open a BAT-file in Windows Explorer then the bat-file is executed (it is a script). That is not what you want to happen when you want to edit a BAT-file that is loaded in SURE.
- If you double click on an EXE-file then you start that program. That is not what you want to happen if you double click on an EXE-file that is loaded in SURE

Unfortunately, in Windows-7 it is not possible to add or modify the Windows File Association for the Edit verb. For some file-types the Edit-verb is automatically defined by Windows, but you cannot change them.

This change covers the following:

1. SURE uses first the editor that is defined via the Windows File Association for EDIT. If no EDIT-editor is found then the Windows File Association for OPEN is used. So, the Edit verb takes preference over the Open verb.
2. It is now possible to overrule the Windows File Association of a specific file-type with a SURE File Association.

Technical details

A SURE File Association can be defined to overrule the default Windows behavior when you open a file. This must be done via the following setting in the AW_OBJ.INI file:

```
[FILEASSOCIATION]
<file-extension>=[open/edit/none/sure/<editor-name>]
```

For example:

```
[FILEASSOCIATION]
BAT=C:\Windows\notepad.exe
```

SURE does the following at function Edit or View (or open via double-click)

- SURE checks first if a 'SURE File Association' is defined for the file-extension in paragraph [FILEASSOCIATION] of the AW_OBJ.INI file:
- If a 'SURE File Association' is **NOT** found then:
 - o If a Windows File Association is defined for the Edit verb then use that editor, otherwise:
 - If a Windows File Association is defined for the Open verb and the file-extension is not of an executable or script (such as EXE, BAT, REG, WSF, JS, CMD, COM, VB, et cetera) then use that open-method, otherwise:
 - Use the default SURE-editor for PC-files (as defined via the SURE options)
- If a 'SURE File Association' (SFA) is found then:
 - o If the SFA = 'open' then use the Windows File Association for verb 'Open'
 - o If the SFA = 'edit' then use the Windows File Association for verb 'Edit'
 - o If the SFA = 'none' then do nothing
 - o If the SFA = 'sure' then use the default SURE editor for PC-files (SURE options)
 - o If the SFA = '<editor-name>' that start that editor. SURE assumes that it is the name of a valid executable

Example

Consider the following settings:

- The AW_OBJ.INI file:


```
[FILEASSOCIATION]
BAT=SURE
EXE=NONE
TXT=C:\Windows\notepad++.exe
```
- The default SURE-editor for PC-files is MultiEdit: C:\Program Files\MEW\MEW32.exe

The following happens when you open a PC-file via SURE commands Edit or View:

- Files with extension 'BAT' are opened in MultiEdit (the SURE-editor) instead of Notepad (the default Windows editor for BAT-files)
- Files with extension 'EXE' are not opened
- Files with extension 'TXT' are opened in Notepad++
- For all other files:
 - o If a Windows File Association is defined for the Edit verb then use that editor, otherwise:

- If a Windows File Association is defined for the Open verb and the file-extension is not of an executable or script (such as EXE, BAT, REG, WSF, JS, CMD, COM, VB, et cetera) then use that open-method, otherwise:
 - Use the default SURE-editor for PC-files (as defined via the SURE options)

Considerations

A Windows File Association can be defined for a file-type (file-extension) via:

Control Panel → Default Programs → Associate a file type with a program

In SURE release 90, files with a "file-extension that has a Windows File Association for the EDIT verb" may be opened with a different editor than previously in the 80-release. This happens when the Windows File Associations for EDIT and OPEN differ. Previously the 'Open-Editor' was used, and in release 90 the 'Edit-Editor' is used. With the new SURE-FILEASSOCIATION (as explained above) it is always possible to configure the same behavior for a specific file-type as before.

Executables or scripts that are loaded in SURE won't be accidentally started anymore via a double click on the file-name.

Task-0377-SURE New: make it possible to de-activate a user account

It is now possible to deactivate and re-activate a user account.

It was already possible to delete a user account from SURE, but then all information about that user account is deleted as well. Some sites have fully numeric user accounts of 8 digits long. If such a user account is deleted from SURE then people forget to which developer the account belonged. That is a reason why user old accounts are not deleted from SURE. But it leads to many non-used user accounts in SURE, which pollute the drop down lists and trigger questions about these old accounts by auditors. This can now be solved by de-activating the old user accounts.

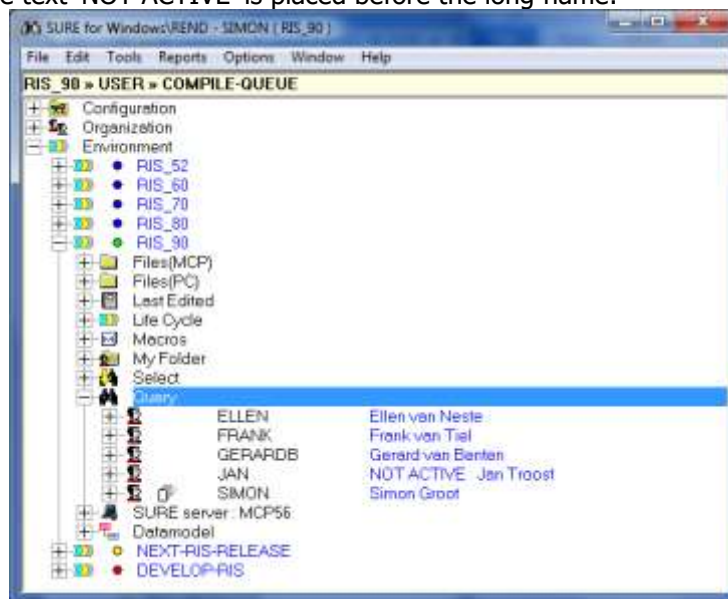
De-activate a user-account as follows:

- Right click on the user account → De-activate
- A deactivated user account keeps all its user attributes (Initials, long name, email address, et cetera), but is automatically disconnected from its teams, projects and employee-functions.

Re-activate a user-account as follows:

- Right click on the user account → Activate

The long name of a user account is made visible in the browser. If the user account is not active then the text 'NOT ACTIVE' is placed before the long name:



The behavior of a deactivated user account is as follows:

- It is not possible to log on with a deactivated user account
- If RIS/MENU runs under a deactivated usercode then the user has no authorizations
- Deactivated users do not appear in folder Organization → User
- Deactivated users do not appear in drop down lists
- Deactivated users do not appear in the user overviews

How to show deactivated users?

- Command QUERY on users still selects and shows deactivated user accounts. Each deactivated user account is then marked with the text 'NOT ACTIVE'
- Via command 'Select User' it is still possible to select a deactivated account
- If folder 'Organization → User' is dragged and dropped to a right pane, then the deactivated users are still visible. Each deactivated user account is then marked with the text 'NOT ACTIVE'

Task-0381-SURE Keep a separate log of the changes in the security model

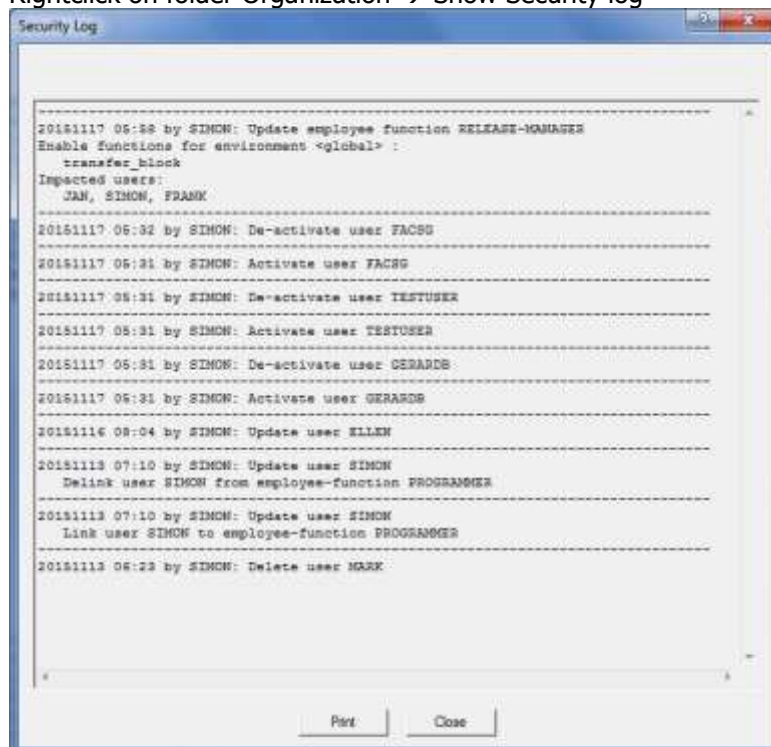
SURE keeps now a separate log of all the changed that are made in the security model.
The following is logged:

- Add a new user account
 - o The log shows also the old and new value of each changed attribute
- Update the attributes of a user account
 - o The log shows also the old and new value of each changed attribute
- Delete a user account
- De-activate a user account
- Re-activate a user account
- Link/Delink a user-account and an employee function
- Link/Delink a user-account and a team
- Link/Delink a user-account and a project
- Add an employee function
 - o The log shows also all authorizations that are enabled
- Update the authorization bits of an employee function
 - o The log shows also all authorizations that are enabled and disabled
 - o The log shows also the user accounts that are impacted by this change
- Delete an employee function
 - o The log shows also all authorizations that are disabled
 - o The log shows also the user accounts that are impacted by this change

In all cases the site-event library is also called with parameter 'Security' to report the change in the security model.

You can see the log via:

Rightclick on folder Organization → Show Security log



- The log can be printed via button [Print]

Task-0386-RIS Test required authorizations to update items in 'Organization'

Security Administrators and users with privilege 'Securities', 'Securities per team' or 'Organization' can make changes in User Accounts, Teams and Employee functions.

A user is a Security Administrator if that attribute is enabled (User properties screen):

The screenshot shows the 'User SIMON' dialog box with the 'Attributes' tab selected. The 'Security Administrator' checkbox is checked and highlighted with a red rectangle. Other fields include Name: Simon Groot, Email Address, Department: R&D-TEAM, Initials: SG, Default Environment: DEVELOP-RIS, Printer Destination: NONE, Default Language: English, Employee Function: RIS SPECIALIST, Team name: R&D-TEAM, and Is windows account: unchecked.

If one or more users are defined as Security Administrator:

- A security administrator cannot be linked to an employee-function
- A security administrator cannot have an individual authorization map

	Security Administrator	Users with privilege 'Securities'	Users with privilege 'Securities per team'	Users with privilege 'Organization'	Other users
Allowed to add/update/delete user	yes*	no*	no	no	no
Allowed to activate/deactivate user	yes	no	no	no	no
Allowed to add/delete employee function	yes	no	no	no	no
Allowed to add/delete team	yes	yes	no	no	no
Allowed to link/delink users and emp.functions	yes	no	no	no	no
Allowed to link/delink users and teams	yes	no	no	no	no
Allowed to link/delink users and projects	yes	no	no	no	no
Allowed to update authorization maps	yes	no	no	no	no

* A user with privilege 'Securities' or a security administrator can update field 'Security Administrator' on the user properties screen

Summarized: a user who is defined as Security Administrator cannot do anything else in SURE.

If no users are defined as Security Administrator:

If no users are defined as Security Administrator then the privileges 'Securities per team' and 'Organizations' have effect. With these privileges it is possible to create 'self-supporting' teams, where a team leader can control the privileges of his team members.

- Organization:
 - o A user with this privilege cannot change authorization maps, but is allowed to link members of his team to employee-functions that don't have an authorization map. Such employee functions are used for task assignment and for email-routing.
- Securities per team:
 - o A user with this privilege can change authorization maps of the members of his team, except for privilege 'Securities'.
- Securities:
 - o A user with this privilege can change authorization maps of all users

	Security Administrator	Users with privilege 'Securities'	Users with privilege 'Securities per team'	Users with privilege 'Organization'	Other users
Allowed to add/update/delete user	n.a.	yes	team	no	no
Allowed to activate/deactivate user	n.a.	yes	team	no	no
Allowed to add/delete employee function	n.a.	yes	yes	no	no
Allowed to add/delete team	n.a.	yes	team	yes	no
Allowed to link/delink users and emp.functions	n.a.	yes	team*	team**	no
Allowed to link/delink users and teams	n.a.	yes	team	team	no
Allowed to link/delink users and projects	n.a.	yes	team	team	no
Allowed to update authorization maps	n.a.	yes	yes*	no	no

* Cannot set privilege 'Securities' or link to employee function with privilege 'Securities'

** Cannot link/delink a user to employee-function with an authorization map

Task-0392-SURE New: Support for Archive environment

It is now possible to define an additional 'Archive environment' in the repository that contains only old expired sources and RIS components:

- The Archive is used to keep old/expired sources. An archived source does not exist anymore in the other environments in SURE, only in the Archive environment.
- Only inquiry functions can be used in the Archive: SURE-find, SURE query, property screens, View, et cetera. But no check-out, check-in, add, update, delete. So you can always look and search the Archive.
- There does not run a SURE batch for the Archive environment. So, no compile, build, deploy or examine.

The benefits of an Archive environment are:

- The regular environments are clean: old sources don't exist anymore in the regular environments, so developers won't spend unnecessary time on these old sources. For example: an archived old source does not appear in the SURE-find overview.
- The old sources are still stored in the repository, so they are not completely gone.

Definition of the Archive environment

The Archive environment can only be added as top-environment in SURE. The name is free to choose.

Define an Archive environment as follows:



- Right click on folder 'Environment' → New
- This gives the environment definition screen:

- The following fields are required:
 - o Environment name (in this example ARCHIVE)
 - o Option 'Environment is Archive' must be enabled
 - o The Work-usercode and –pack (in this example TEST901 and IDRD)
- Click on button [Apply] gives the following confirmation screen:



- o The new environment is called ARCHIVE and is placed on top, above all other environments

Restart of SUREforWindows, to show the new environment:



- An Archive environment has a special icon, and its name in red, to distinguish it clearly from the other environments.

Behavior of the Archive environment

It is not possible to transfer a task to the Archive environment. For example with the above screen: if a task is transferred to environment PROD then it gets status solved.

It is not possible to define a task for the Archive environment

The impact analysis does not work for the Archive environment

Function 'Purge<file>' in all environments' skips the Archive environment

The Archive environment does not appear in the Compile Interface

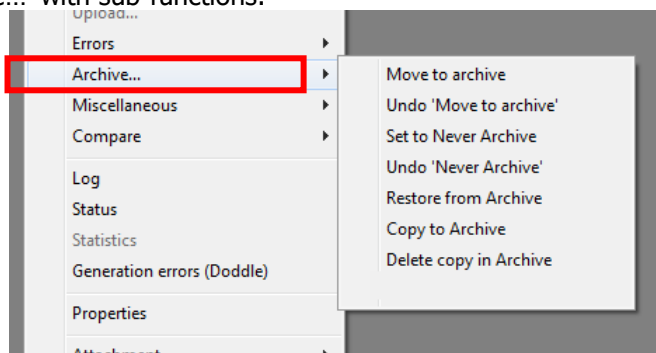
The Archive environment does not appear in the Task Life Cycle Dashboard

It is not possible to reprocess a Quick-fix in the Archive environment

Include files are not copied from the Archive environment to the Work-location or Resource location

Functions on a file or RIS-component in SUREforWindows:

A Rightclick on a file or RIS-component gives the speed menu. The speed-menu contains function 'Archive...' with sub-functions:



- Move to Archive

This function adds the file in the 'Move to Archive' queue. The actual move is done by the SURE evening batch.

- The batch program copies the file from the highest regular environment (production) to the Archive, and

- purges the file in all regular environments.
- If the file does not exist in the highest regular environment (production), then it is copied from the lowest environment (develop) to the Archive.

The file gets log-entry 'Add: move to Archive'.

If the file is already in the 'Move to Archive' queue, then nothing happens.

If the file is marked as 'Never Archive', then an error message is returned, and the file won't be added to the 'Move to Archive' queue.

This function requires authorization 'Global: Archive'

- Undo 'Move to Archive' This function removes the file from the 'Move to Archive' queue.

The file gets log-entry 'Undo: move to Archive'.

If the file is not in the 'Move to Archive' queue, then nothing happens.

This function requires authorization 'Global: Archive'

- Set to 'Never Archive' This function blocks function 'Move to Archive'.

The file gets log-entry 'Add: never Archive'.

If the file is already marked as 'Never Archive', then nothing happens.

If the file is in the 'Move to Archive' queue, then it is deleted from that queue.

This function requires authorization 'Global: Archive'

- Undo 'Never Archive' This function removes the block.

The file gets log-entry 'Undo: never Archive'.

If the file is not marked as 'Never Archive', then nothing happens.

This function requires authorization 'Global: Archive'

- Restore from Archive This function restores the file-version in the Archive into the lowest environment (develop) and removes the version in the Archive.

This function requires authorization 'Sure: add file'

- Copy to Archive This function copies the file from the highest regular environment (production) to the Archive.

- The file is not removed in the other environments, so it is like an extra back-up.
- If the file does not exist in the highest regular environment (production), then it is copied from the lowest environment (develop) to the Archive.

This function requires authorization 'Global: Archive'

- Delete copy in Archive This function removes the file in the Archive.

This function requires authorization 'Global: Archive'

All functions can be used in 'multi-mode', as follows:

- Select multiple files or RIS-components → Right click → Use an Archive function

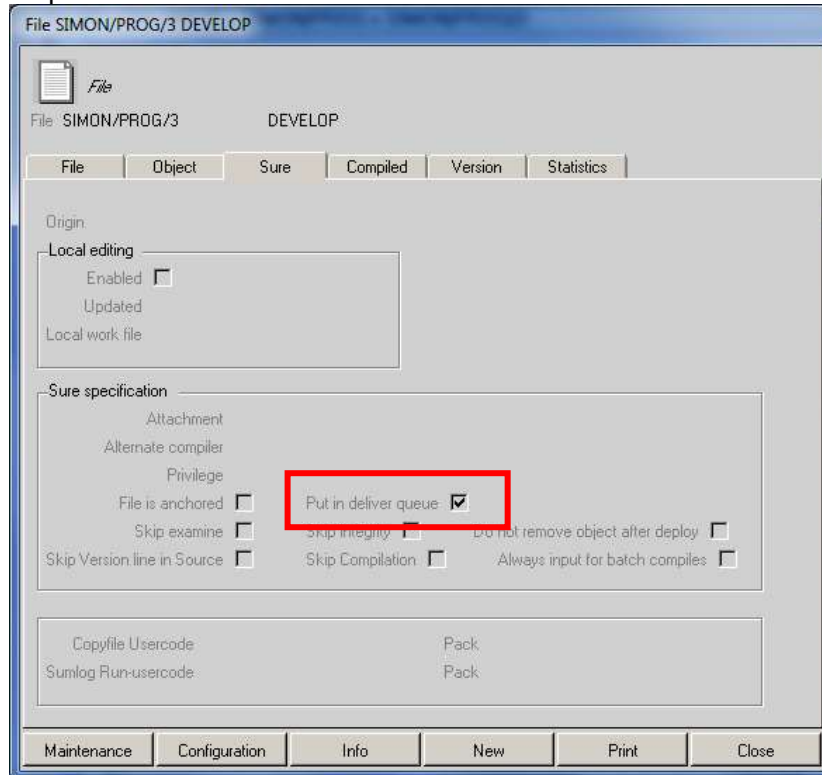
Task-0398-SURE New function: add files to the deliver queue

Batch function load/dump repository is used for repository synchronization. You can dump tasks from one SURE repository and load them into another SURE repository. The selected tasks + all the linked source-files are dumped from the source-repository and loaded into the target repository.

Up until now it was only possible to put tasks in the deliver queue.

This feature makes it possible to define for an individual file that it has to be added to the deliver queue.

File Properties → tab: Sure:



- The property screen contains a new field 'Put in deliver queue'
- 'Put in deliver queue' is a global attribute of the file, so it is applicable for all environments.

The procedure works as follows:

- When the source-file changes in an environment (via check-in, load or task-transfer), and the deliver-queue of that environment is enabled, then the file is automatically added to the deliver queue.

Read also paragraph TASK-0151-SURE for detailed information about the deliver queue and the dump/load procedure. This paragraph handles the following topics:

- Details about the deliver queue
- Adding tasks automatically to the queue
- Adding tasks manually to the queue
- Processing the queue
- Loading the data and files in the target repository

Task-0401-SURE New: add or delete a relation via a batch program

Program RESPECT/REPOSITORY has now extra functions to add or delete a relation. This can be used in a WFL-job.

Add a relation = RUN RESPECT/REPOSITORY("ADD-REL <relation-attributes>");

Delete a relation = RUN RESPECT/REPOSITORY("DEL-REL <relation attributes>");

<relation attributes> =

```

|-----<-----|
----- OWNER <owner> -----|
|-- GROUP <group> -----|
|-- CLASS <class> -----|
|-- ASSET <asset> -----|
|-- ENVIRONMENT <environment> --|

```

OWNER, GROUP and CLASS are required.

If ENVIRONMENT is not used, then the relation is added or deleted in the global environment.

The user that runs the program must be allowed to modify relations.

Example:

```

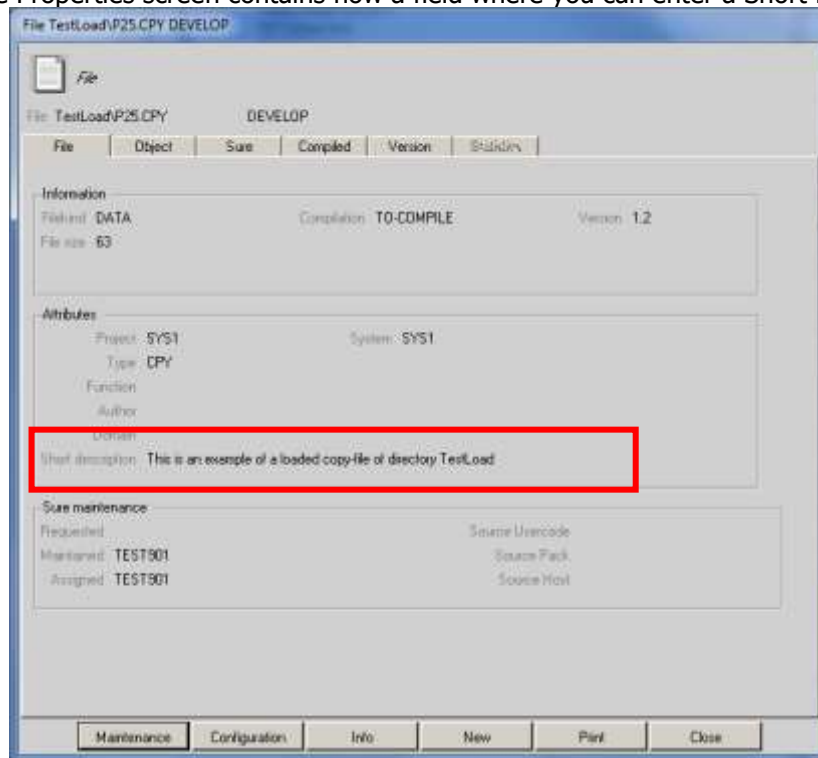
RUN RESPECT/REPOSITORY("ADD-REL OWNER PROG/ABC GROUP FILE
                        CLASS FUNCTION ASSET TEST");

```

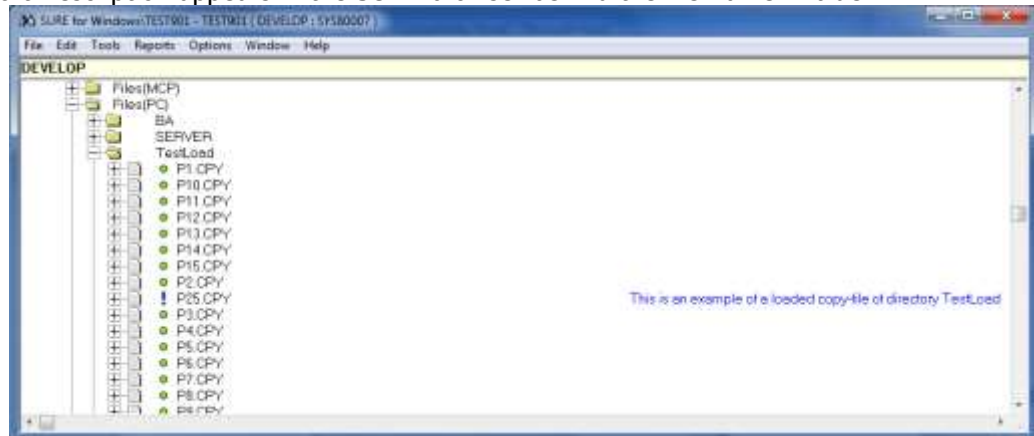
This example adds relation FUNCTION(TEST) to program PROG/ABC.

Task-0413-SURE New file attribute: Short Description

The File Properties screen contains now a field where you can enter a Short Description:

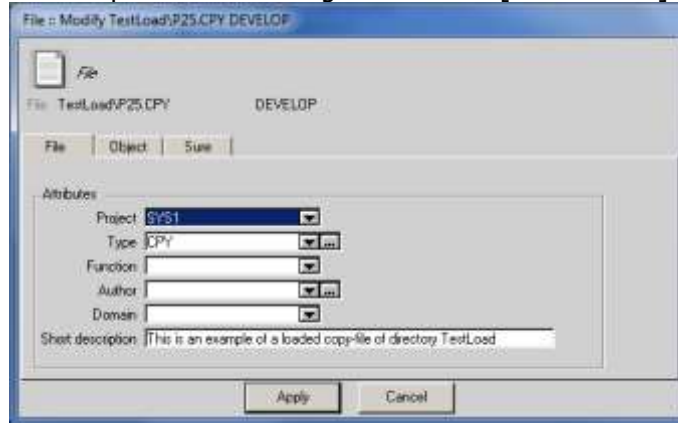


The Short Description appears in the SURE-browser behind the file-name in blue:



- If the filename is very long then the last part will be overwritten by the short description

The Short Description can be changed via button [Maintenance] → Modify Properties:



The Short Description of a file can also be defined on the 'Add New File' screen

Details about field 'Short Description':

- The field can contain 70 characters free format text.
- You can copy the short description of another file by entering an equal sign, followed by the name of that other file.
For example: the syntax
= PROG/AA
copies the short description of program PROG/AA to the current file.
- The difference between field 'Short Description' and field 'Function':
 - o It is not possible to use the short description in a Query or Macro
 - o Functions are a kind of labels that you can use in a Query or Macro, and you can link multiple functions to a file

For RIS-users:

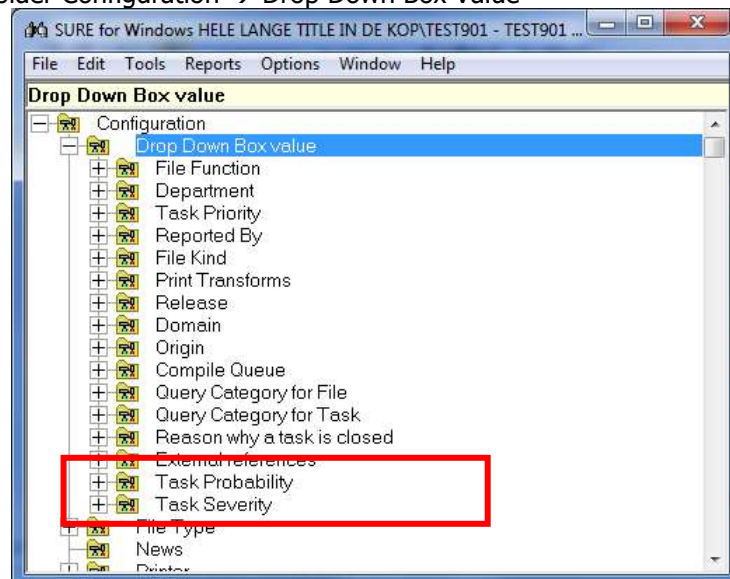
- You can also link a Short Description to a SEL-function.
- You can copy the Short Description of a file to a SEL-function and vice versa.

Task-0418-SURE New task attributes: Severity and Probability

The Task Properties screen contains two new fields: Severity and Probability

The possible values of both fields have to be pre-defined in SURE, as follows:

- Open folder Configuration → Drop Down Box Value

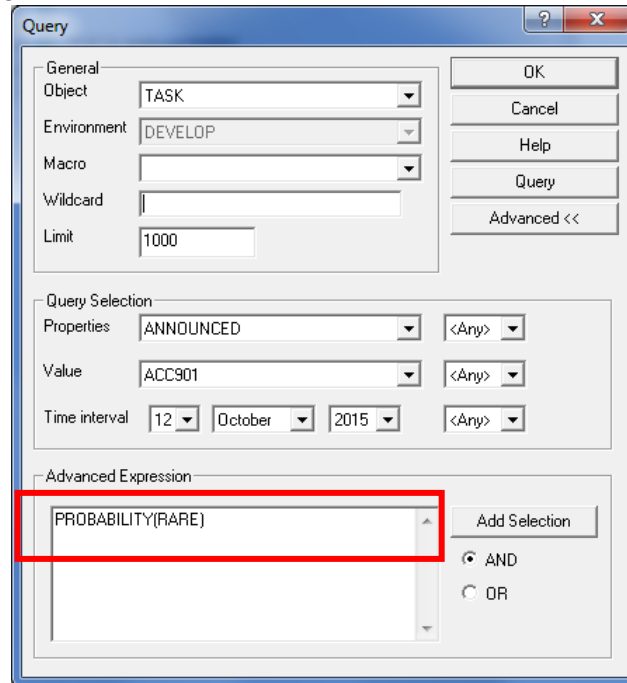


- Double click on 'Task Probability' to define the valid probabilities. You can choose your own Probability-values. Typical values are ALWAYS, OFTEN, OCCASIONALLY, RARE
- Double click on 'Task Severity' to define the valid severities. You can choose your own Severity-values. Typical values are HIGH, LOW, MEDIUM

Query and Macro

'Severity' and 'Probability' can be used in Queries and Macro's when you want to select a group of tasks:

- The keyword for 'Severity' = SEVERITY (uppercase)
- The keyword for 'Probability' = PROBABILITY (uppercase)
- Example:

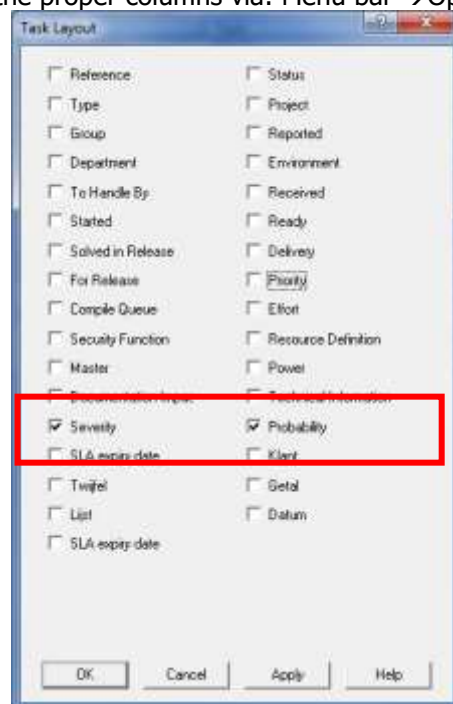


This query selects all tasks with PROBABILITY = RARE

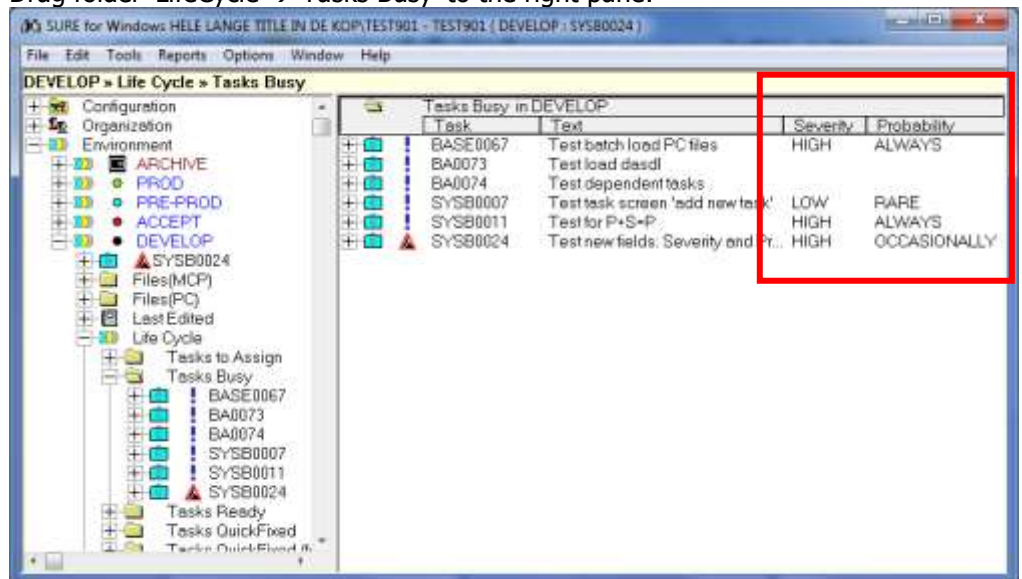
Columns in Right Pane

'Severity' and 'Probability' can be selected as a column in a right pane, when you drag&drop a task-folder to that right pane:

- Select the proper columns via: Menu bar → Options → Attributes → Task..



- Example:
 - Drag folder 'LifeCycle → Tasks Busy' to the right pane:



- The content of the right pane can be copied to an Excel worksheet via functions Select and Copy Clipboard

Task-0419-SURE Determine Task Priority via Severity and Probability

SURE offers an extra method to determine the Task Priority via Severity and Probability. The benefit is that that Priority is then determined in a formalized way.

The following methods are now available:

- Determine the Priority via the Severity and Probability (new)
- Inherit the Priority that is linked to the Task-Type
- Define the Priority manually (choose a value from the drop down list)

Determine the Priority via the Severity and Probability

This functionality can be enabled for a system or project (= sub-system), as follows:

Open folder: Configuration → System → <any environment> →
 → Open the folder of the correct system
 → Double click on the project

- The 'Project properties' screen has 3 new tabs:
 - o Tab 'Task Severity'
 - o Tab 'Task Probability'
 - o Tab 'Task Priority'
- Tab 'Task Severity':

Severity	Weight
HIGH	100
MEDIUM	50
LOW	10

- o Enter the severities that are valid for this project.
- o Give each severity a 'weight' from 1 to 999

- Tab 'Task Probability':

Probability	Weight
ALWAYS	100
RARE	10
OCCASIONALLY	40
OFTEN	90

- o Enter the probabilities that are valid for this project.
- o Give each probability a 'weight' from 1 to 999

- Tab 'Task Priority':

Priority	Threshold
CRITICAL	8000
HIGH	5000
MEDIUM	4000
LOW	1000
NONE	1

- Define the Priorities and for each priority a 'Threshold'
- Priority is determined by multiplying the Severity-weight and the Probability-weight. The Priority with a threshold equal to or just underneath the result is used.

Adding or updating a task determines the Priority of that task

When a task is added or updated, then a project is required (and the project belongs to a system). So, a task always has a project and a system.

When a task is added or updated and the system or project has a severity- and probability-table (as in the example screens above), then the Priority is determined by multiplying the Severity-weight and the Probability-weight. The Priority with a threshold equal to or just underneath the result is used.

Example with the above screens:

- Suppose a task is added for Project = SYSB
 - Severity HIGH(100) * Probability RARE(10) gives 1000 → Priority = LOW
 - Severity MEDIUM(50) * Probability ALWAYS(100) gives 5000 → Priority = HIGH

Remarks

Notice that the above screen shots are just examples. You can define your own weights, priority-names and thresholds.

If a system or project has a Severity- and Probability-table then the priority of a task for that system/project is always determined automatically.

If a project does not have a Severity- and Probability-table, then the tables of the system are used.

If the system and project both don't have a Severity- and Probability-table, then you can define the priority via the old methods: manually or via the Task-type

You can define different Severity-, Probability, and Priority-threshold-tables for each system or project.

Example

The following task has a priority MEDIUM, based on severity HIGH and Probability OCCASIONALLY:

The screenshot shows the 'SURE for Windows' application window. The title bar reads 'SURE for Windows HELE LANGE TITLE IN DE KOP,TEST901 - SY80024'. The window is divided into several sections. At the top, there's a 'SURE status' section with 'DEVELOP' and 'ASSIGNED' tabs. Below this, there's a 'Master of this task' dropdown and three checkboxes: 'Show no task' (checked), 'Show all existing master tasks', and 'Show all open tasks'. The main form area contains several fields: 'Identification' (TEXT000A), 'Environment' (DEVELOP), 'Project' (SY80), 'Type' (DEVELOP), 'Severity' (HIGH), 'Probability' (OCCASIONALLY), 'Priority' (MEDIUM), 'Reported by' (JAN), 'Entered' (15-01-2016), 'Delivery' (Site specific date >>>), 'Effort estimated', 'Release', 'Department', 'To handle by' (with options: 'I start working for this task', 'Not assigned', 'Usercode' (selected), 'Function', 'Team'), 'Reference', and 'Compile queue'. A red rectangle highlights the 'Severity', 'Probability', and 'Priority' fields. At the bottom, there's an 'Information' section with a 'Description' tab selected, showing a text area with the text 'Text new fields: Severity and Probability'. The window has a standard Windows XP-style interface with a taskbar at the bottom.

Task-0420-SURE SLA support by SURE

It is possible to define 'SLA rules' in SURE that specify how fast tasks of a specific system or project must be solved. The number of 'Days to Solve' depends on the priority of a task.

Each task of an SLA-controlled system or project has an 'SLA expiry date'. Warnings are given if a task reaches or passes the 'SLA expiry date'. Various overviews can list the tasks that are overdue.

Definition of the SLA parameters

The SLA functionality can be enabled for a system or project (= sub-system), as follows:

Open folder: Configuration → System → <any environment> →
 → Open the folder of the correct system
 → Double click on the project

- The 'Project properties' screen has a new tab:
 - o Tab 'Task Priority'

The screenshot shows a dialog box titled 'Project SYSB SYSB' with a 'Task priority' tab selected. The dialog contains a table with three columns: 'Priority', 'SLA days to solve', and 'SLA days warning'. The table has five rows with the following values:

Priority	SLA days to solve	SLA days warning
CRITICAL	1	
HIGH	7	3
MEDIUM	31	7
LOW	365	31
NONE	9999	

At the bottom of the dialog are buttons for 'Apply', 'Insert Line', 'Delete Line', 'Build & Replace', 'Print', and 'Close'.

- o Define the Priorities that are valid for this project and for each priority the 'Days to solve' and optionally a 'Days warning'
- o We call this the 'Priority-SLA table'

Adding or updating a task determines the SLA-expiry-date of that task

When a task is added or updated, then a project is required (and the project belongs to a system). So, a task always has a project and a system.

When a task is added or updated and the system or project has a 'Priority-SLA table' (as in the example screen above), then that task will get an SLA-expiry-date.

The SLA-expiry-date is determined automatically, as follows:

- Determine the 'Days to solve' via the Priority-SLA-table of the system or project
- $\text{SLA-Expiry-date} = \text{Date-received} + \text{Days-to-solve}$
- Days-warning defines from when a warning is given when the task is not solved:
 - o $\text{Date-warning-from} = \text{SLA-Expiry-date} - \text{Days-warning}$
- Example with the screen above:
 - o Suppose a task is entered with:
 - Priority = HIGH
 - Date Received = 2016-jan-12

- Project = SYSB
- Priority HIGH has 'Days-to-solve' = 7
- So, the SLA-expiry-days is 2016-jan-19
- Priority HIGH has 'Days-Warning' = 3
- So, warnings are given from 2016-jan-16

Remarks

If a project does not have a 'Priority-SLA table', then the table of the system is used.

If the system and project both don't have a 'Priority-SLA table', then a task of that project won't get an SLA-expiry-date.

You can define a different 'Priority-SLA table' for each system or project.

Remarks about task field 'Date Received':

- If a new task is added and field 'Date Received' is left empty, then today's date is used.

Remarks about task field 'Priority':

- There are 3 ways to define the priority of a task:
 - Priority can be determined automatically via 'Task Severity' and 'Task Probability'
 - Priority can be inherited from the 'Task Type'
 - Priority can be defined manually via a drop down box
- In all cases: if the system or project of the task has a 'Priority-SLA table', then the chosen Priority must be defined in that table.

Overviews and SLA warnings

SURE reports on various places about the SLA-expiry date, and there are various places where the SLA-expiry date can be viewed:

- On the Task Life Cycle Dashboard
- Via a column in a right pane
- Via Queries and Macro's
- At Log-on

Each TaskPriority in the Priority-SLA table has a 'Days warning'.

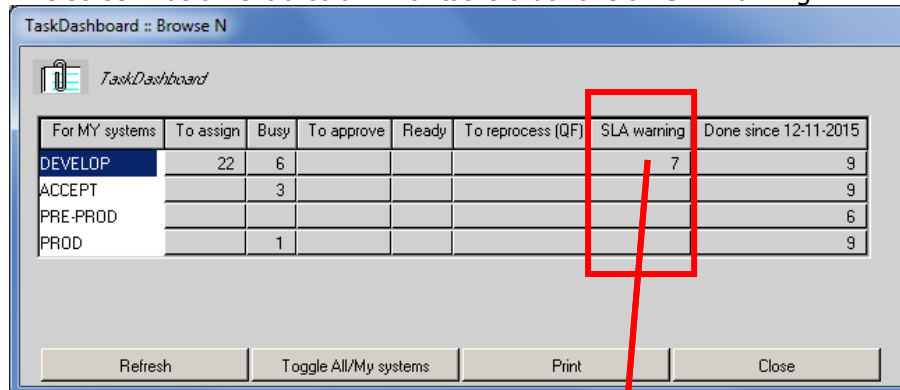
SLA warnings are given when a task has an expired SLA date, or when the SLA date will expire within <days-warning> days.

SLA information on the Task Life Cycle Dashboard

Tools → Task Life Cycle Dashboard:

- This screen has an extra column for tasks that have an SLA warning:

TaskDashboard :: Browse N

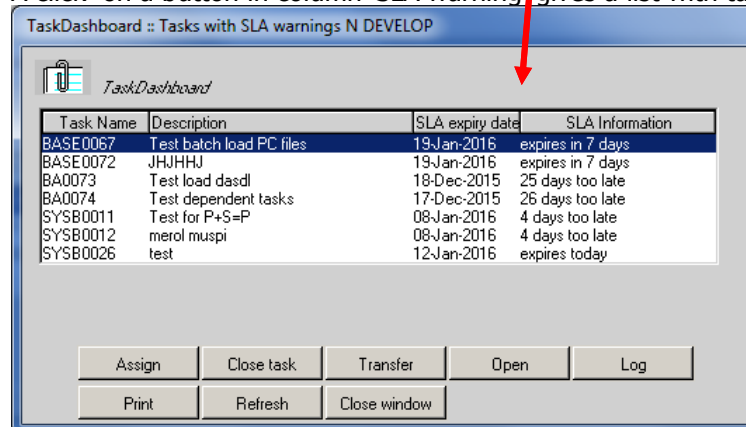


For MY systems	To assign	Busy	To approve	Ready	To reprocess (QF)	SLA warning	Done since 12-11-2015
DEVELOP	22	6				7	9
ACCEPT		3					9
PRE-PROD							6
PROD		1					9

Buttons: Refresh, Toggle All/My systems, Print, Close

- o A click on a button in column 'SLA warning' gives a list with tasks:

TaskDashboard :: Tasks with SLA warnings N DEVELOP



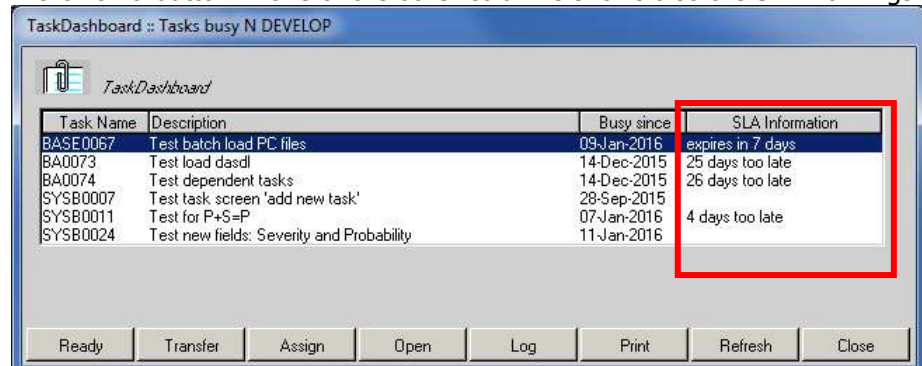
Task Name	Description	SLA expiry date	SLA Information
BASE0067	Test batch load PC files	19-Jan-2016	expires in 7 days
BASE0072	JHJHHJ	19-Jan-2016	expires in 7 days
BA0073	Test load dasdl	18-Dec-2015	25 days too late
BA0074	Test dependent tasks	17-Dec-2015	26 days too late
SYSB0011	Test for P+S=P	08-Jan-2016	4 days too late
SYSB0012	merol muspi	08-Jan-2016	4 days too late
SYSB0026	test	12-Jan-2016	expires today

Buttons: Assign, Close task, Transfer, Open, Log, Print, Refresh, Close window

- Tasks that are overdue have a warning '<nr> days too late'
- Tasks that are about to expire have a warning 'Expires in <nr> days'

- o A click on a button in one of the other columns shows also the SLA warnings:

TaskDashboard :: Tasks busy N DEVELOP



Task Name	Description	Busy since	SLA Information
BASE0067	Test batch load PC files	09-Jan-2016	expires in 7 days
BA0073	Test load dasdl	14-Dec-2015	25 days too late
BA0074	Test dependent tasks	14-Dec-2015	26 days too late
SYSB0007	Test task screen 'add new task'	28-Sep-2015	
SYSB0011	Test for P+S=P	07-Jan-2016	4 days too late
SYSB0024	Test new fields: Severity and Probability	11-Jan-2016	

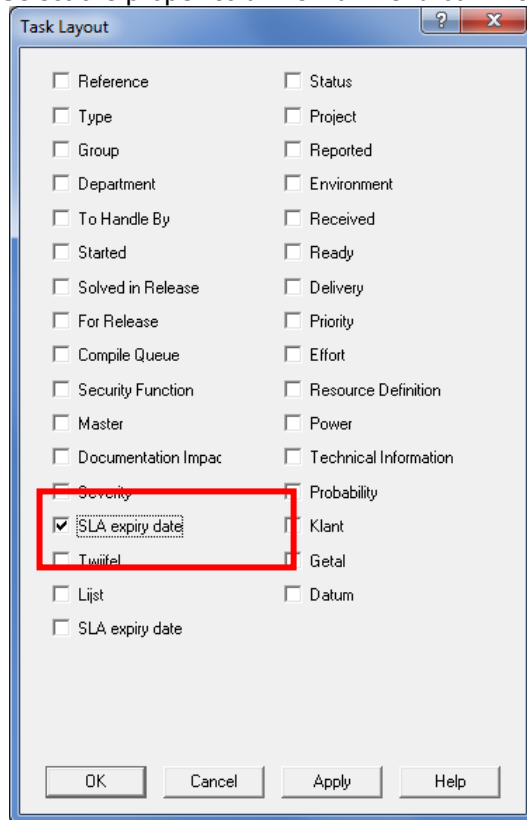
Buttons: Ready, Transfer, Assign, Open, Log, Print, Refresh, Close

- Column 'SLA info' is hidden when none of the tasks has an SLA warning.

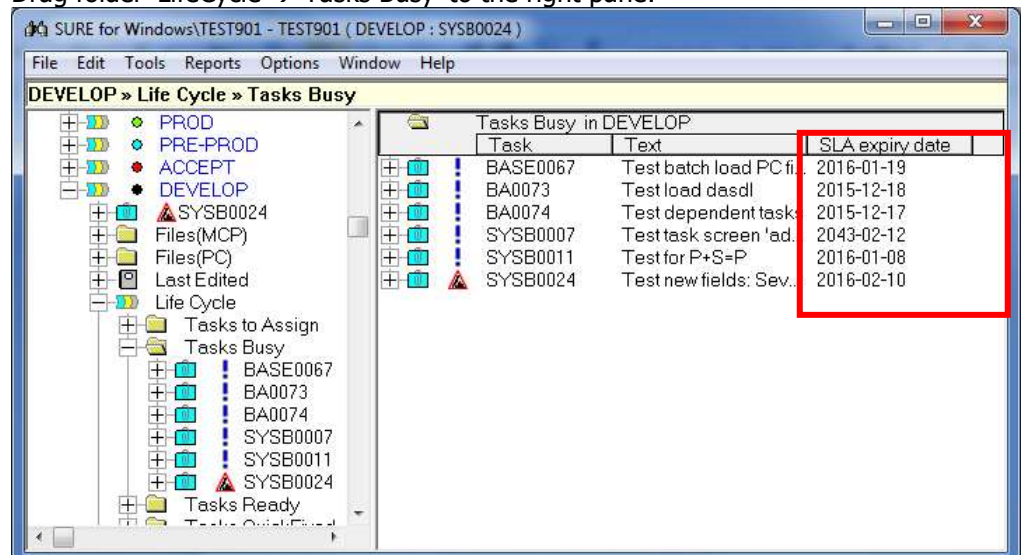
SLA expiry date in a column on a right pane

The 'SLA-expiry-date' can be selected as a column in a right pane, when you drag&drop a task-folder to that right pane:

- Select the proper columns via: Menu bar → Options → Attributes → Task..



- Example:
 - o Drag folder 'LifeCycle → Tasks Busy' to the right pane:



- o The content of the right pane can be copied to an Excel worksheet via functions Select and Copy Clipboard

SLA expiry date used in Query or Macro

The SLA expiry date can be used in Queries and Macro's when you want to select a group of tasks:

- The keyword = SLA-EXPIRY-DATE (uppercase)
- Example:

Advanced expression = SLA-EXPIRY-DATE({<TODAY}) AND NOT STATUS(SOLVED)

This query selects all tasks with an SLA-EXPIRY-DATE before today that are not solved

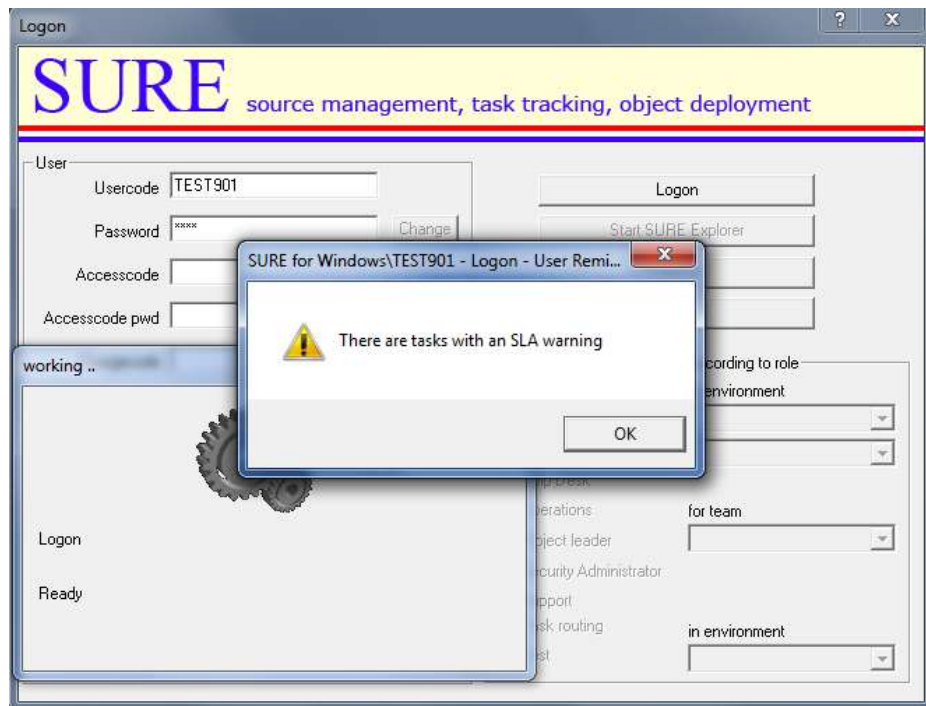
- o The result when the query is dragged to a right pane:

Task	Text	SLA expiry date
BA0073	Test load dasdl	2015-12-18
BA0074	Test dependent tasks	2015-12-17
SYSB0011	Test for P+S=P	2016-01-08
SYSB0012	merol muspi	2016-01-08

- o The content of the right pane can be copied to an Excel worksheet via functions Select and Copy Clipboard

SLA warnings at log-on

Users who are responsible for a project or system that is under SLA control will get a warning at log-on when one or more tasks of that project or system have an SLA warning:

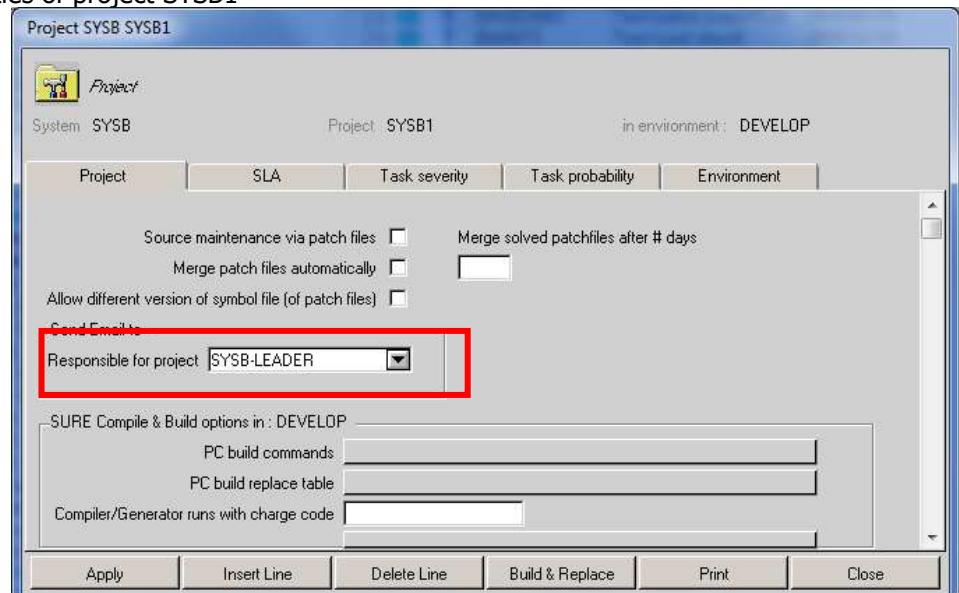


The typical next step is then to open the Task Life Cycle Dashboard for extra details.

A user is responsible for a project or system, if one of its employee-function is defined as 'Responsible for' on the Project properties screen.

Example:

- Properties of project SYSB1

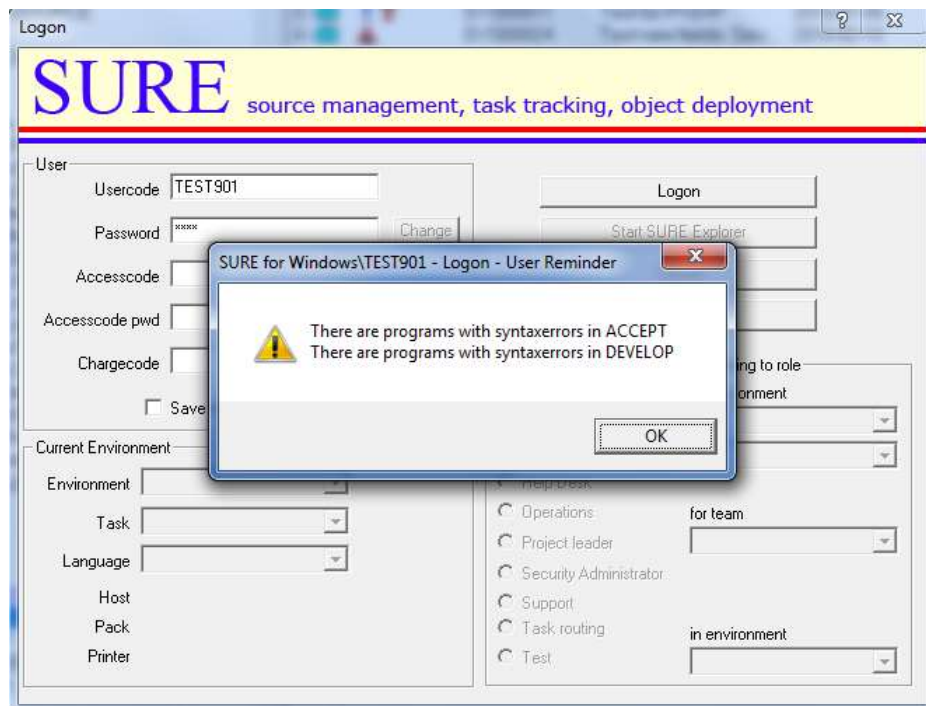


Employee-function SYSB-LEADER is responsible for project SYSB1

- This means that any user with employee-function SYSB-LEADER will get the SLA-warning at log-on when one or more tasks of project SYSB1 have an SLA warning.

Task-0422-SURE New: warning at log-on about compilation errors

Users who are responsible for an environment will get a warning at log-on when one or more programs have COMPILE-STATUS SYNTAX in that environment:



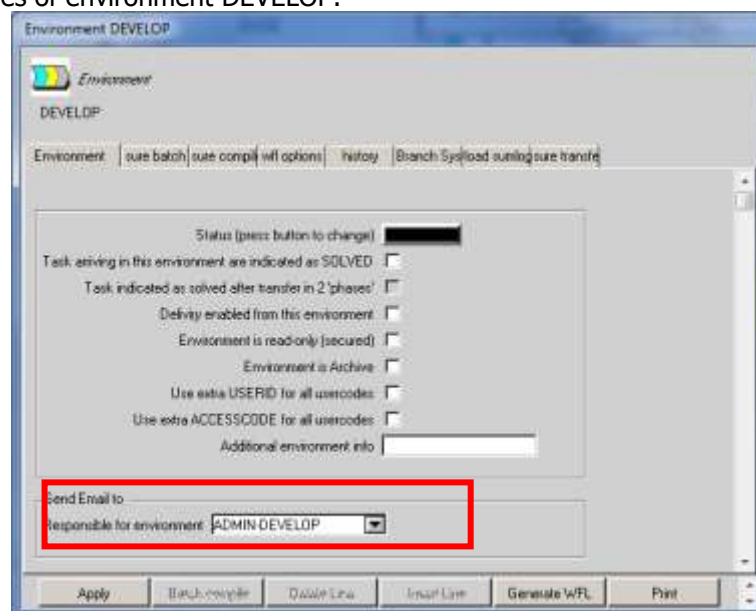
The user in this example is responsible for environments DEVELOP and ACCEPT, so he gets a warning for each environment that contains a source with syntax errors

The typical next step is then to open the Compile Interface for extra details.

A user is responsible for an environment, if one of its employee-function is defined as 'Responsible for' on the Environment properties screen.

Example:

- Properties of environment DEVELOP:



Employee-function ADMIN-DEVELOP is responsible for environment DEVELOP

- This means that any user with employee-function ADMIN-DEVELOP will get the warning about syntax errors at log-on if environment DEVELOP contains a program with syntax errors.

Task-0426-SURE Improve email functionality

The email functionality in SURE is improved:

- It is easier to configure the email functionality (without using the SURE site library)
- A file can be added to the body of the email, or linked as a separate attachment (optionally wrapped in a containerfile)
- SURE batch programs can optionally send the output to an email address
- A user can route the output of SURE batch programs to his own email address

Configuration: SURE email calls OBJECT/EMAIL

SURE email calls Unisys Utility OBJECT/EMAIL.

- For details about OBJECT/EMAIL see: System Software Utilities Operations Reference Manual
- OBJECT/EMAIL requires a configuration file '*INSTALLATION/OPTIONS ON DISK' with the ip-address of the email-server:


```
List installation/options on disk: pa
#FILE *INSTALLATION/OPTIONS ON DISK
00000100EMAIL MAILSERVER=<ip-address of email-server>
#
```
- OBJECT/EMAIL must be started as a system library, as follows:


```
SL EMAILSUPPORT = *OBJECT/EMAIL ON DISK
```

Configuration: SURE email does not require the SURE site library anymore

Previously, the SURE emails were handled by procedure SITE_SEND_EMAIL of the SURE site library. This is not a requirement anymore. The SURE software contains now internally a default procedure to send emails. This internal default procedure works identical to the example procedure in the SURE site library.

- If the internal default method works well enough for your organization, then you don't have to do anything.
- If the internal default method is not good enough for your organization then you can enable example procedure SITE_SEND_EMAIL in the SURE site library, and adjust that procedure to your specific needs.

- o This procedure is declared as follows:

```
INTEGER PROCEDURE SITE_SEND_EMAIL
    (S_FROM,S_TO,S_SUBJECT,S_ATT,TY_ATT,P_TXT,SZ_TXT,E_BUF);
VALUE    S_FROM,S_TO,S_SUBJECT,S_ATT,TY_ATT,P_TXT,SZ_TXT;
STRING   S_FROM,S_TO,S_SUBJECT,S_ATT;
INTEGER  TY_ATT,SZ_TXT;
POINTER  P_TXT;
EBCDIC   ARRAY E_BUF[0];
```

Input values:

S_FROM = Email address of the sender
 S_TO = List of email addresses of the receivers (comma separated)
 S_SUBJECT = Email subject
 S_ATTACHMENT = The physical name of the attachment (on disk)
 TY_ATT = Option for the attachment
 1 : attachment must be added to the body
 2 : attachment is a separate wrapped file
 3 : attachment is a separate un-wrapped file
 0 : default action by OBJECT/EMAIL to decide
 P_TXT + SZ_TXT = Pointer to the mail body text + the size
 E_BUF = The logical name of the attachment-file

Return value: the error number. 0 if no errors are encountered
 E_BUF = The error text

The default (internal) method how SURE handles attachments is that the listing or file is added to the body of the email.

So, the only requirement for SURE is that OBJECT/EMAIL is established to support emails.

Route SURE batch output also to an email address

The output listings of SURE batch programs are placed under the usercode of the SURE evening batch, in directory BATCHOUTPUT, and these listings are visible in the SURE browser via folder: SURE server → Batch reports. So, the listings are always accessible via SUREforWindows, but they are much hidden in the SURE browser.

It is now also possible to route the SURE batch output also to an email address. This has the advantage that the output is much more visible.

Route the SURE output as follows to an email address:

- Define the usercode where the SURE-batch runs as a user-id in SURE
- Give the user-id a valid email address
- Give the user-id PrinterDestination = EMAIL

The screenshot shows the 'User ACC901' configuration window. The 'Attributes' section contains the following fields:

- Name: (empty)
- E Mail Address: sg@itsforsure.nl (highlighted with a red rectangle)
- Department: (dropdown menu)
- Initials: (dropdown menu)
- Default Environment: ACCEPT (dropdown menu)
- Printer Destination: EMAIL (dropdown menu, highlighted with a red rectangle)
- Default Language: English (dropdown menu)
- Employee Function: (dropdown menu)
- Team Name: (dropdown menu)
- Security Administrator: ☐
- Role: (dropdown menu)
- Is windows account: ☐

At the bottom, there are buttons for 'Apply', 'Team', 'Employee Function', and 'Projects'.

- This example: SURE batch programs that run under usercode ACC901 will send the output to email address sg@itsforsure.nl (the output remains also on disk in the BATCHOUTPUT directory).

An alternative method:

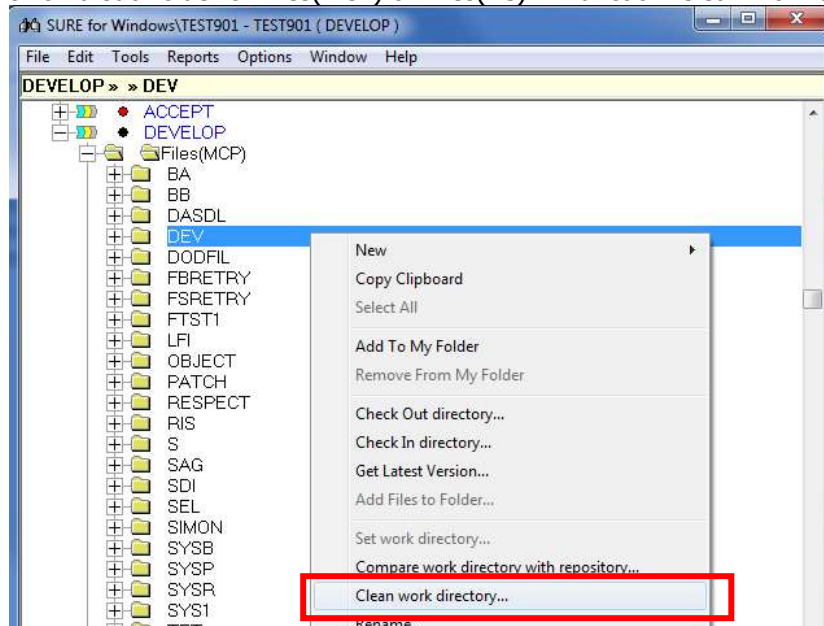
- If a SURE batch program is started with a parameter that contains "PRINTER = EMAIL", then the output is sent to the email address of the user that started the program.

So, the output of a SURE batch program is sent to the email address of the usercode that ran the program if that user has PrinterDestination = EMAIL, or if the program is started with extra parameter "PRINTER = EMAIL".

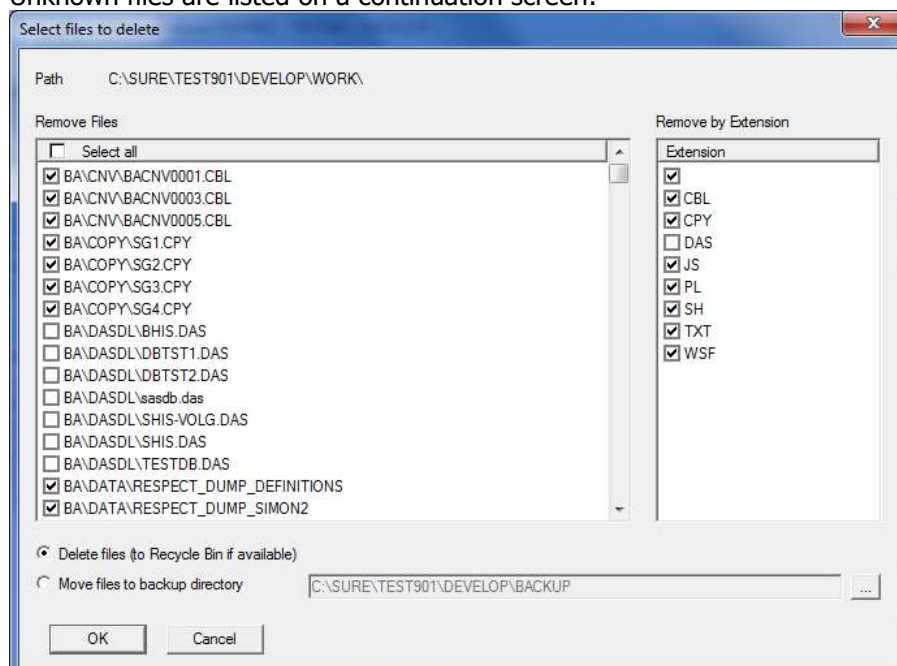
Task-0427-SURE New function: Clean local work directory

It is possible to compare a Local Work Directory with the content of the repository, to delete irrelevant files or to move them to a backup folder.

Right click on a sub-folder of Files(MCP) or Files(PC) → function 'Clean work directory':



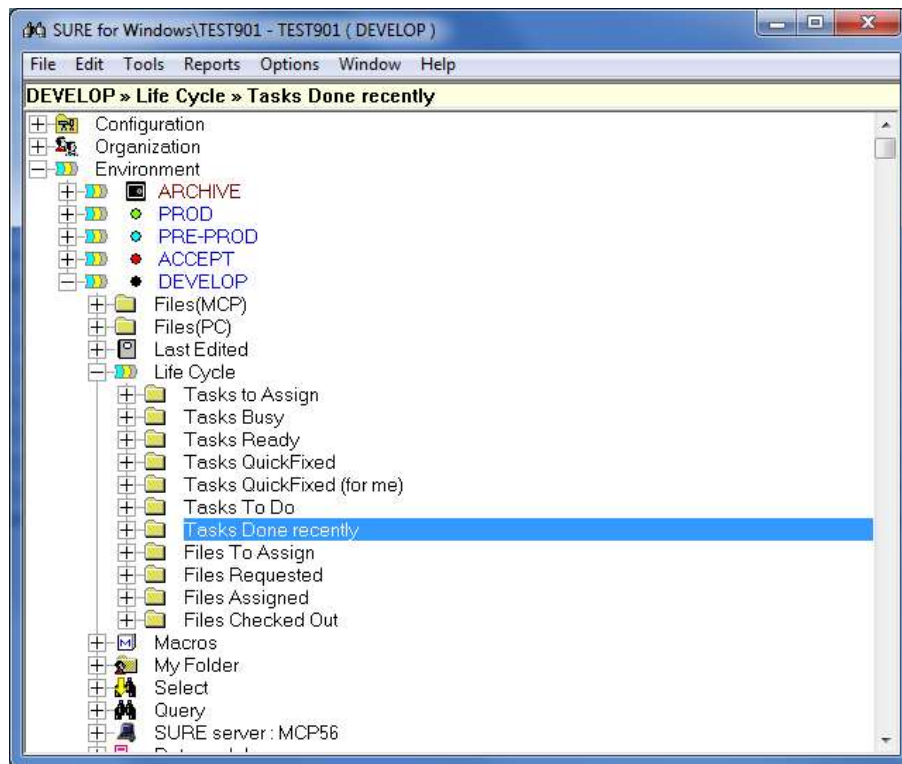
- This compares all files of that sub-folder in the Local Work Directory with the repository. Unknown files are listed on a continuation screen:



- You can select each file individually, or you can select groups of files via the file-extension (on the right hand side of the screen)
- On the bottom of the screen are two functions:
 - o Delete the selected files
 - o Move the selected files to a (new) backup folder

Task-0430-SURE New life cycle folder: Tasks done recently

Folder Life Cycle contains now a new sub-folder: Tasks done recently



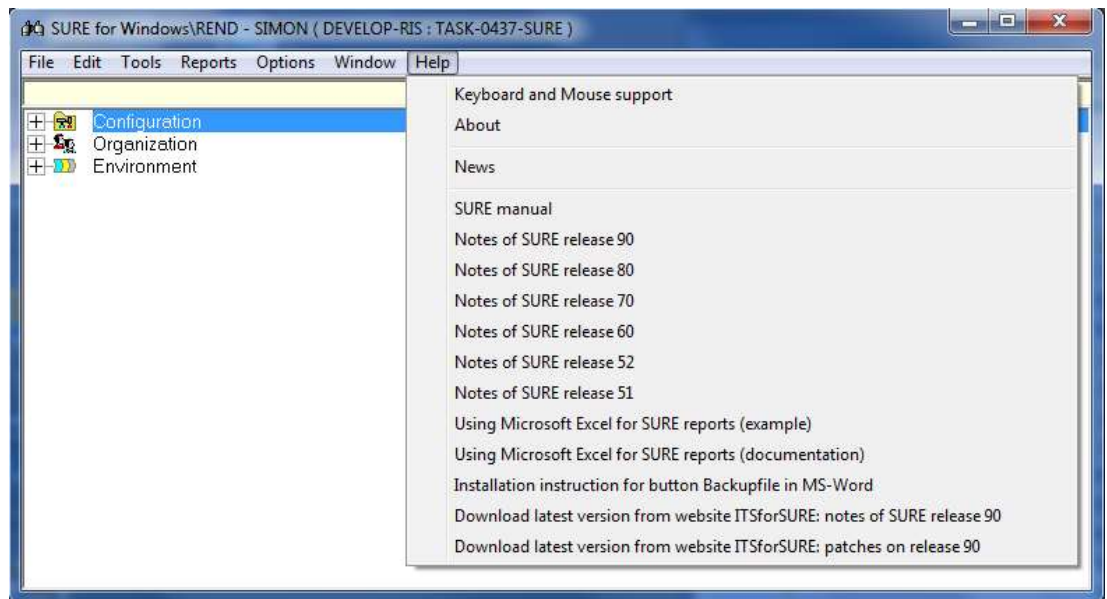
This folder shows a list with tasks that are done on an environment since a date. Done means: transferred to the next environment, or when the task got status solved (on the highest environment). The advantage of this folder is that you can easily find the tasks that are recently closed.

This is the same list with 'done tasks' as on the Task Life Cycle Dashboard.

The <date since> is determined by a number of days before today. This number can be defined via Global Options → Tab: History

Task-0436-SURE Review the Help menu

The Help Menu is reviewed, as follows:



- 'Notes of release 90' is delivered with the software.
- 'Download latest version of the notes of release 90' is a link to the website of ITSforSURE. This version of the document may be newer than the version that is delivered with the software. You can use this link to check if there are new features available.
- 'Download latest version of the patches on release 90' is a link to the website of ITSforSURE. This document describes all the changes on release 90 since the release date. You can use this link to check if there are new features available.

The installation instruction for button 'Backupfile' in MS-Word is reviewed

Using the SURE browser, it is very easy to download MCP printer backup files from the mainframe to your PC:

- Open folder SURE server → Printer Output
- Rightclick on a backupfile → Download

After the backup file is copied to the PC, it is loaded in MS-Word. We have chosen to load the backup-file in Word, because Word correctly handles the page-skips in the backup-file.

The problem that now arises is that the default font and font size of Word are not appropriate for the downloaded backup file: MCP printer backup files are created with a non-proportional font and up to 132 characters on a line, and Word's default font and font size are mostly not set like that. This problem is fixed with a macro: BackupFile.

Macro 'BackupFile' (in Word) sets the font to 'Courier New' (not proportional), and changes the font-size to ensure that each line can have 132 characters and each page 132 lines. A print of the file gives now correct output: no lines are wrapped or truncated, and there are no unexpected page skips.

Document 'Installation instruction for button Backupfile in MS-Word' is completely reviewed and describes the method to install the button in MS-word 2010.

Introduction of [SITEHELP] in the AW-OBJ.INI file

A user had already the option to define references to site-specific help-file in the SURE Help Menu. Up until release 80 these site specific references had to be added to section [SUREHELP] in AW_OBJ.INI. This method made it difficult to do an automatic upgrade of the [SUREHELP] section when a new SFW version was installed, because it is difficult to recognize which help definitions are site-specific and which are standard SURE help definitions.

We introduced a new section [SITEHELP] to solve this problem:

- Section [SUREHELP] will be refreshed completely with each SUREforWindows-installation.
- Site specific help definitions have to be placed in section [SITEHELP], which won't be touched by the SFW-installer.

Please notice that the site specific help definitions have to be moved manually from section [SUREHELP] to section [SITEHELP] at the upgrade to release 90, otherwise they will be lost.

The help-entries in [SITEHELP] and [SUREHELP] are changed

The old method: <file-location>=<text in Help Menu>

Example: [SUREHELP]
C:\SURE\TEST803\RIS\HELP\SURE.PDF=SURE manual

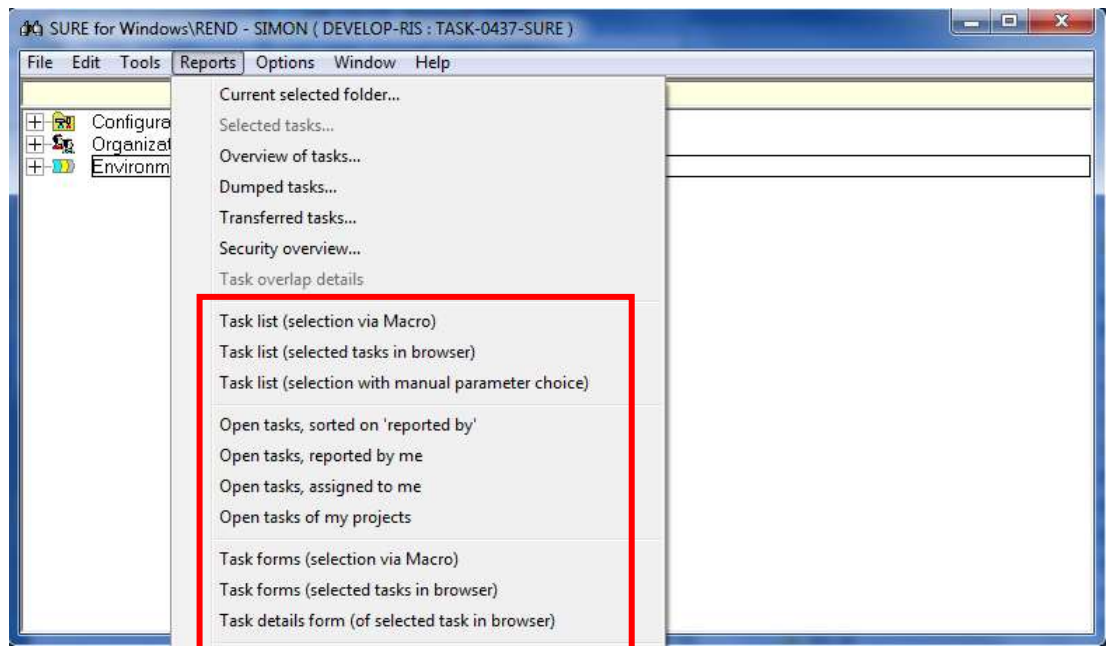
The new method: <text in Help Menu>=<file-location>

Example: [SUREHELP]
SURE manual=C:\SURE\REND\RIS\HELP\SURE.PDF

The new method makes it possible to define an alternative (global) file location via the extra AW_OBJ.INI file in the BIN directory that contains also a section [SUREHELP] with site-specific file locations.

Task-0437-SURE Review the Task Reports

The Report Menu is reviewed, as follows:



There are 3 groups of Task Reports:

- Task lists: the input for these overviews can be defined by the user
- Open tasks: these overviews show non-solved tasks, via fixed selection methods
- Task forms: where each task starts on a new page

Layout of the task overviews

All task overviews of groups 'Task list' and 'Open tasks' have the same layout:

- A header with: Task Name, Date Received and Task Status
 - o If the Task Status is SOLVED, then the header contains also the Date Ready and Release Info (if found)
- Followed by: Reported by
- Followed by: Task Type
- Optionally followed by: Project (if the tasks are not selected on a single project)
- Followed by: Severity (if found)
- Followed by: Probability (if found)
- Followed by: Priority (if found)
- Followed by: Assigned to (if found and Task Status is not SOLVED)
- Followed by: Task Description
- Followed by: Dependent tasks (if found)
- Followed by: Controlling tasks (if found)
- Optionally followed by: The linked files (if Task Status is not SOLVED)
- Followed by: Resolution info (if found)

Example of a solved task:

Task	Status	Date ready	Release
Group of tasks, manual selection			
SYSB0011	Received Reported by: FRANK Type: FEATURE Project: SYSB Severity: HIGH Probability: ALWAYS Priority: CRITICAL Test for P+S=P	07-Jan-2015	SOLVED
Solution:		13-Jan-2015	at 90, 80
First line of the resolution info			

- Solved tasks with the basic layout plus:
 - o Date ready and Release info in the header

Example of a non-solved task:

Task	Status	Date ready	Release
Group of tasks, manual selection			
SYSB0007	Received Reported by: TEST901 Type: FEATURE Project: SYSB Severity: MEDIUM Probability: OCCASIONALLY Priority: LOW Assigned to: Team SYSB	23-Dec-2015	DEVELOP(busy)
Test task screen 'add new task'			
Solution:		Linked	FILE
		FILE	SIMON/CON/UP3
		FILE	TestOpen\backupprompt.reg
			TestOpen\ogb.xml
Solution line 1 line 2			

- Non-solved tasks with the basic layout plus
 - o the linked files (and RIS-components) and the assignment

As an example: the task overviews of ITSforSURE (patches-on-release and release-notes) have the same layout.

Selection methods (fixed)

The overviews of group 'Open tasks' have fixed selection methods.

Open tasks, sorted on 'reported by'

- This selects all tasks that are reported by one of my team members. If I am not a member of any team, then all open tasks are selected

Open tasks, reported by me

- This selects all tasks that are reported me

Open tasks, assigned to me

- This selects all tasks that are assigned to me

Open tasks of my projects

- This selects all tasks that are reported for one of my projects. If I am not a member of any project, then all open tasks are selected

Selection methods (variable)

The selection methods for the overviews of groups 'Task lists' and 'Task forms' are variable.

Selection via Macro

- This method gives the following input screen, where you can select a macro, and optionally a Project:



- A Macro is a predefined query, and must be defined via Rightclick on folder Macro → New. Some examples for solved tasks:

Select

Solved tasks
Solved tasks since January 1,2015
Solved task of release 90

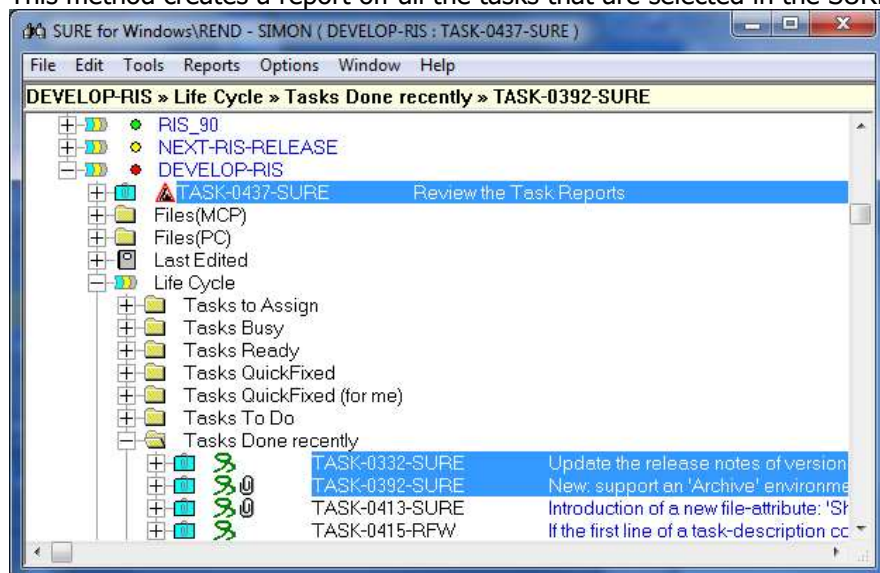
Macro expression

STATUS(SOLVED)
STATUS(SOLVED{GEQ 20150101})
STATUS(SOLVED) AND SOLVED-IN-RELEASE(90)

- The project is a filter: if no project is entered then all tasks that meet the Macro-expression are selected, otherwise only the tasks that meet the Macro and the Project

Selected tasks in the browser

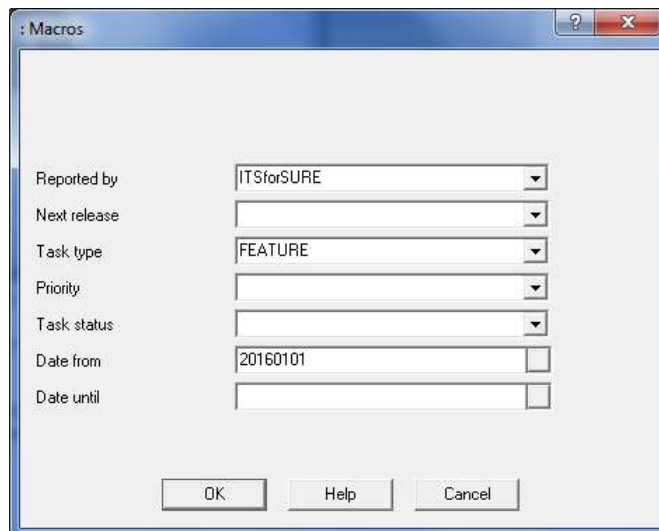
- This method creates a report off all the tasks that are selected in the SURE browser



- This example shows 3 selected tasks: TASK-332-SURE, TASK-0392-SURE and TASK-0437-SURE. You can select multiple tasks via [ctrl]+[enter]

Selection via parameter choice

- This method gives the following input screen, where you enter selection parameters:



The screenshot shows a 'Macros' dialog box with the following fields and values:

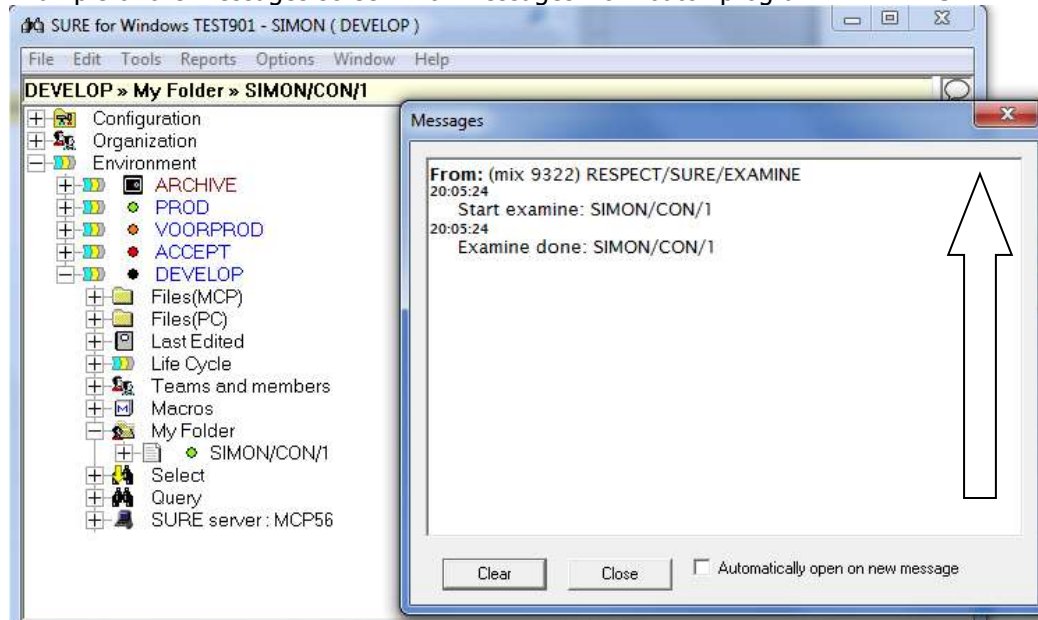
Field	Value
Reported by	ITSforSURE
Next release	
Task type	FEATURE
Priority	
Task status	
Date from	20160101
Date until	

- - Reported by This selects all tasks that are reported by the entered user/customer
 - Next release This selects all tasks that have to be solved in the entered release
 - Task Type This selects all tasks that have the entered task-type
 - Priority This selects all tasks that have the entered priority
 - Task Status This selects all tasks that have the entered status
 - Date from/until This selects all tasks with a status that changed between the dates
- All parameters that are entered are combined with AND operators, so the above example screen selects all tasks that are reported by ITSforSURE with task-type FEATURE and a status change since January 1, 2016.

Task-0470-SURE New screen to receive messages from batch programs

SUREforWindows has a new screen where messages from batch programs appear. Up until now, the messages that were sent by batch programs to a user appeared as separate pop-up windows.

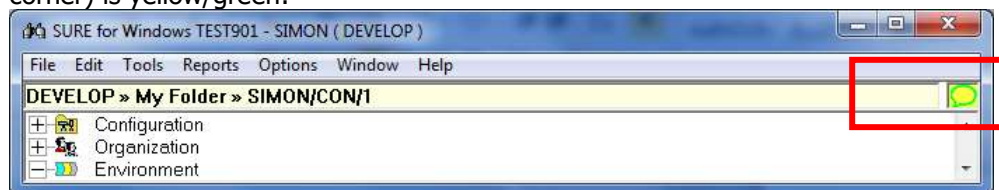
Example of the messages screen with messages from batch program EXAMINES:



New messages appear at the bottom of the screen and scroll the previous ones to the top

The functionality is as follows:

- All incoming messages are received on the messages screen
- If there are new messages then the color of the message-screen icon (in the upper right corner) is yellow/green:



- Click on the message screen icon to open the messages screen, this changes the color of the icon to white
- If the content of message screen is empty, then the color is grey.

Buttons and options on the messages screen:

- Button [Clear] makes the content empty (and the icon becomes grey)
- Button [Close] closes the screen. The icon becomes grey (empty) or white (filled)
- If option 'Automatically open on new message' is enabled then the screen opens automatically when a new message is received.
 - o This option can be set on two places: on the messages screen and on the local options screen (Toolbar → Options → SURE options → tab local options)
 - The setting on the Local Options screen defines the default method
 - The option on the messages screen can be used to change the default method for this Sfw session only.
 - o So, you can define that the messages screen must be opened by default when a new message is received, but for the current Sfw session you can turn it off if it becomes annoying

Task-0490-SURE Deploy object to multiple locations

Deploy the same object-name to multiple locations.

Some background information:

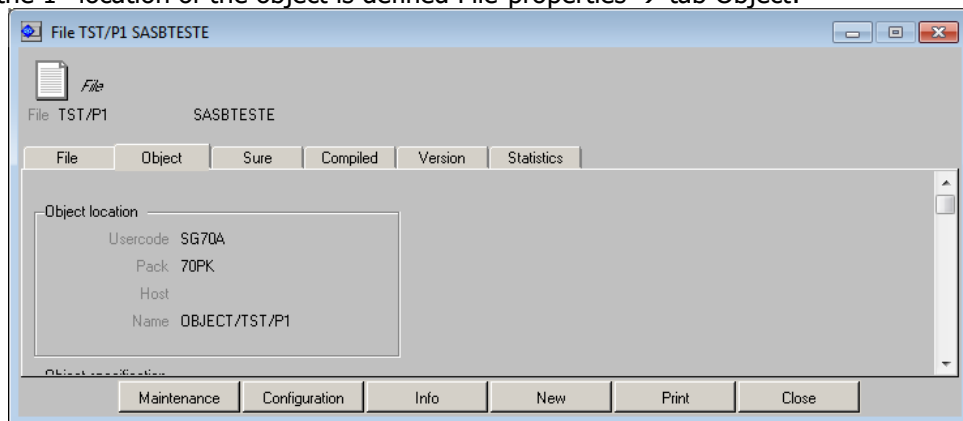
- It was already possible to define that a source has to be compiled multiple times, where each compiled object has a different name and (optionally) compiled via a different translate table. Refer to paragraph 24.13 (Multiple Object Files) of the SURE manual for details about this feature.
- This task explains how you can define that a source has to be compiled multiple times, where each compiled object has the same name, but deployed to a different usercode/pack/host location.

The explanation goes via an example.

Suppose that the object of program TST/P1 has to be deployed to 2 locations:

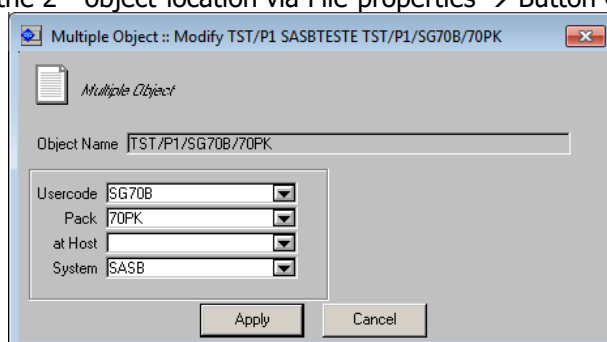
- (SG70A)OBJECT/TST/P1 ON 70PK (this is the first location of the object)
- (SG70B)OBJECT/TST/P1 ON 70PK (this is an extra location of the object)

Define the 1st location of the object is defined File-properties → tab Object:



- Usercode = SG70A; Pack = 70PK; Object-name is OBJECT/TST/P1
- So, the object is deployed as: (SG70A)OBJECT/TST/P1 on 70PK

Define the 2nd object-location via File-properties → Button Configuration → Multiple Object:



- If the entered name is the same as <source-name>/<usercode>/<pack>[/<host>] then the object-name of the <file> will be used as name of the extra object.
- In this example:
 - o Source name = TST/P1; Usercode = SG70B; Pack = 70PK; Host = empty
 - o The entered name = TST/P1/SG70B/70PK, and that is the same as <source-name>/<usercode>/<pack>, which means that the standard object name is used
 - o So, the object is deployed as: (SG70B)OBJECT/TST/P1 ON 70PK

Task-0492-SURE Improve tasks-type dependency

It was already possible to define that a task-type is dependent of another specific task-type. It is now possible to make a task-type dependent of one of several other task-types.

The task-type dependency is defined via the task-type options:

- In this example the task-type TEST-ISSUE is dependent of task-type FEATURE:

The screenshot shows a dialog box titled 'Task type TEST-ISSUE'. It has several tabs: 'Task type', 'Transfer By', 'TransferTaskEmail', 'Approval', 'Assignment Email', 'Add', and 'Miscellaneous'. The 'Task type' tab is selected. The 'Type' field is set to 'TEST-ISSUE'. The 'Effort (hrs)' field is empty. The 'Priority' field is a dropdown menu. The 'Environment to work on tasks of this type' field is set to 'DEVELOP'. The 'Environment where quick-fixes must be made' field is a dropdown menu. The 'Security function' field is a dropdown menu. The 'Tasks of this type must be created as a dependent task of task-type' field is highlighted with a red rectangle and contains the value 'FEATURE'. The 'Tasks of this type can only be used to modify files or system' field is a dropdown menu. The 'Name standard for tasks of this type' field is empty. At the bottom, there are 'Apply', 'Print', and 'Close' buttons.

- The procedure works as follows (example):
 - o A new feature is implemented via task SYSB-0050 which has task-type FEATURE
 - o Task SYSB-0050 is transferred to environment TEST where it is assessed by the test team.
 - o The test team finds some issues and for each issue they create a new task with task type TEST-ISSUE. These tasks can only be added as a dependent task (or sub-task) of a task with type FEATURE (in this case SYSB-0050):
 - The tasks-names of those test-issues are
 - SYSB-0050/0001
 - SYSB-0050/0002
 - Et cetera
 - Task SYSB-0050 has become a master-task: a transfer to the next environment includes all its sub-tasks.

The method to make a task dependent of one of several other task-types is as follows:

- Enter the extra task-type in field 'tasks of this type are dependent...' but precede the name with character '+':

The screenshot shows a close-up of the 'Tasks of this type must be created as a dependent task of task-type' field. The dropdown menu is open, showing the selected value '+ INCIDENT'.

- The 'master-task-type' is now added in stead of updated.
- A TEST-ISSUE task can now be added as a sub-task of a FEATURE-task or as a sub-task of an INCIDENT-task.

It is visible when multiple master-task-types are defined. The name of the first known master-task-type is still shown, followed by 'ETC':

The screenshot shows a close-up of the 'Tasks of this type must be created as a dependent task of task-type' field. The dropdown menu is open, showing the selected value 'FEATURE,etc.'.

The dependency on a master-task-type is removed by using character '-':

The screenshot shows a close-up of the 'Tasks of this type must be created as a dependent task of task-type' field. The dropdown menu is open, showing the selected value '- INCIDENT'.

Task-0516-SURE Allow to close a task when files are linked to that task

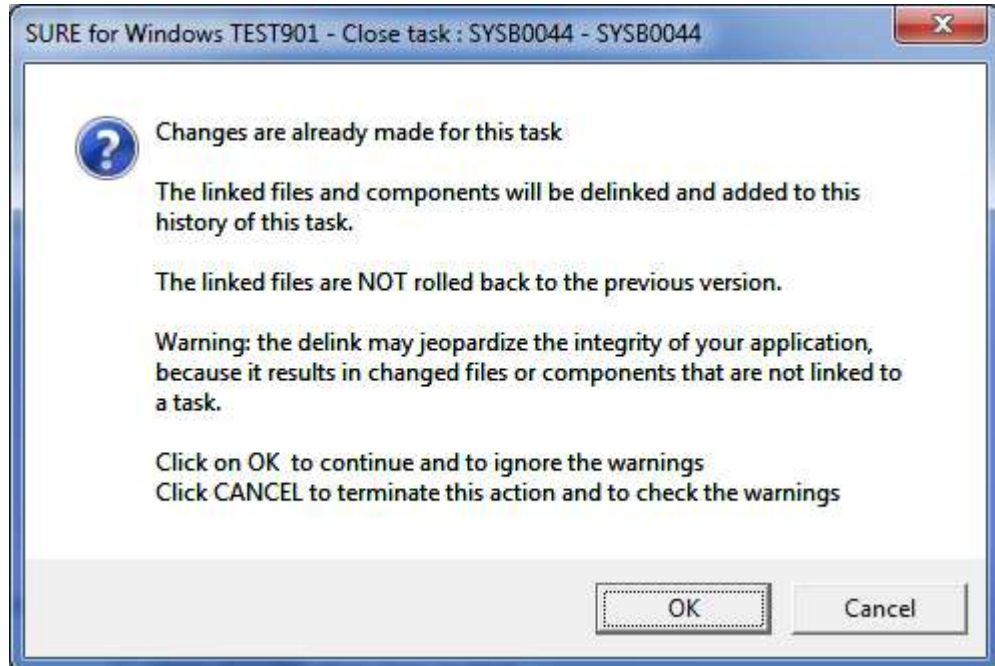
Up until now it was not allowed to close a task when files (or RIS-components) were linked to that task. So, what all users did was the following:

- Step 1: delink all files from the task
- Step 2: close the task

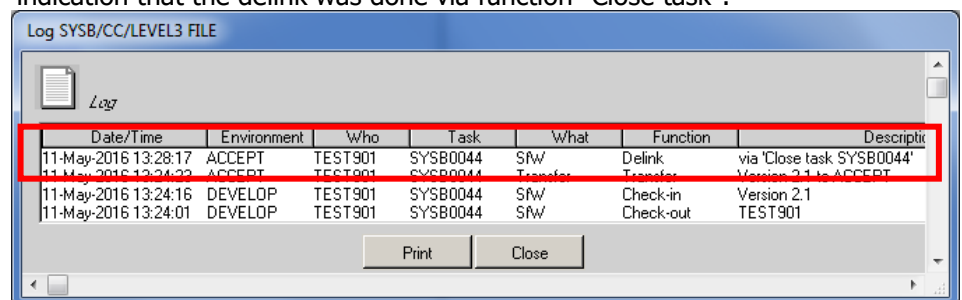
It is now also possible to close a task when files (or RIS-components) are linked to that task.

Function 'Close task' works as follows:

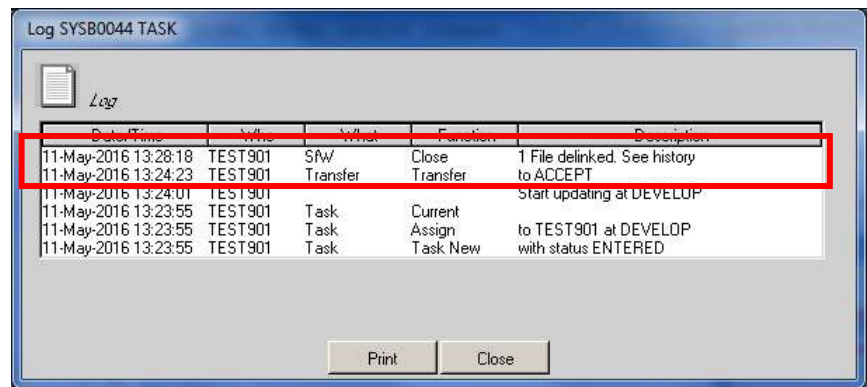
- A user gets the following warning when he want to close a task and files are linked to that task:



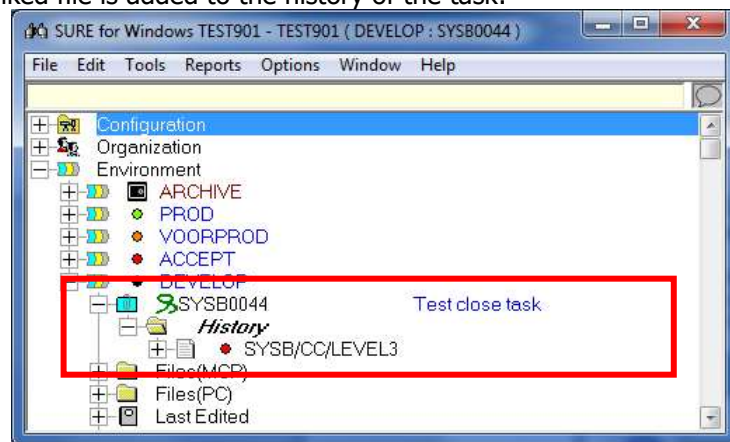
- Changed files are not rolled-back to the previous version. That must be done manually if that is necessary.
 - The warning "the delink may jeopardize the integrity of the application" is similar as when a file is delinked via the old method.
- Button [OK] closes the task:
 - The task-status is immediately changed to SOLVED (without transferring the task to the final PRODUCTION environment).
 - Each linked file is delinked from the task:
 - The 'delink' event is added to the log of the file/component with an extra indication that the delink was done via function "Close task":



- The environment where the files was delinked is mentioned in the log
 - The number of delinked files is mentioned in the log of the task:



- Each linked file is added to the history of the task:



- Notice that the task is NOT added to the history of the files, because that would create confusion (because the history of a file contains the tasks wherefore the file was transferred to the production environment).
- The procedure is the same for RIS-components that are linked to the task.

The new procedure works also when a task is closed via RIS/MENU

If no files are linked to a task, then function 'Close Task' works as before.


Function 'Delink from task' is still available and works as before.

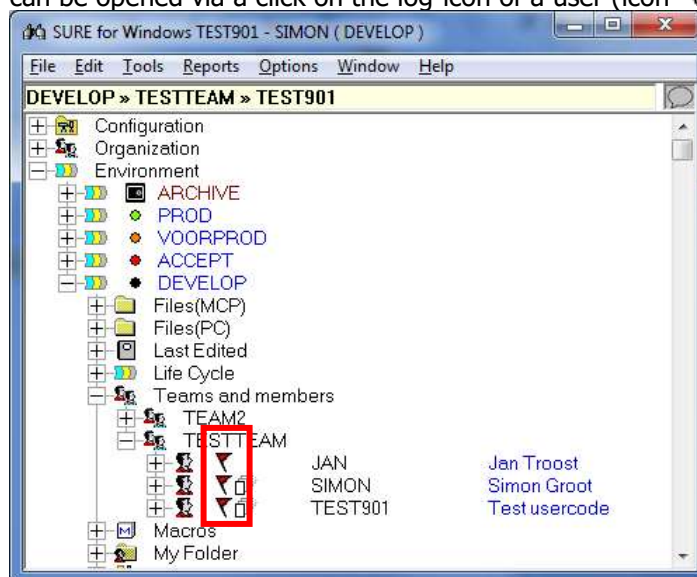
Task-0519-SURE Create a log of the activities of a user

The most important activities of a user are now logged, as a reminder for the user what he did on which moment.

For following activities are logged:

- Log-on to SUREforWindows
- Activities on a file:
 - o Add new file, checkout, check-in, undo checkout, delete and recover
- Activities on a task:
 - o Create new task, current, ready, approve, transfer, close, deny, re-activate, reprocess quick fix and delete task
- Activities an a RIS-component (like LFI, CNV, format, et cetera)
 - o Create, update, delete and recover
 - o Update coding scheme

The log can be opened via a click on the log-icon of a user (icon )



Example of the content of the user log:

 A screenshot of the 'Log TEST901 USER' window. It displays a table with the following columns: Date/Time, Environment, Who, Task, What, Function, and Description. The table contains 18 rows of log entries for user TEST901.

Date/Time	Environment	Who	Task	What	Function	Description
25-May-2016 07:55:07		TEST901		SW/		Log on
25-May-2016 07:38:08		TEST901		SW/		Log on
24-May-2016 12:57:22	DEVELOP	TEST901	BASE0101	RisMenu	Current	Task BASE0101
24-May-2016 12:57:20	DEVELOP	TEST901	BASE0101	RisMenu	Activate	Task BASE0101
24-May-2016 12:54:06		TEST901	BASE0101	RisMenu	Deny	Task BASE0101
24-May-2016 12:53:59	DEVELOP	TEST901	BASE0101	RisMenu	Activate	Task BASE0101
24-May-2016 12:53:48		TEST901	BASE0101	RisMenu	Close	Task BASE0101
24-May-2016 12:53:29		TEST901	BASE0101	RisMenu	Current	Task BASE0101
24-May-2016 12:53:26		TEST901	BASE0101	RisMenu	Task New	Task BASE0101
24-May-2016 12:37:41	DEVELOP	TEST901	BASE0099	RisMenu	Transfer	Task BASE0099 to PROD
24-May-2016 12:37:18	DEVELOP	TEST901	BASE0099	RisMenu	Reprocess	Task BASE0099
24-May-2016 12:36:57	PROD	TEST901	BASE0100	RisMenu	Transfer	Task BASE0100 to PROD
24-May-2016 12:14:50	PROD	TEST901	BASE0099	RisMenu	Transfer	Task BASE0099 to ARCHIVE
24-May-2016 12:14:33	PROD	TEST901	BASE0099	RisMenu	Check-in	File SIMON/CON/1
24-May-2016 12:14:19	PROD	TEST901	BASE0099	RisMenu	Check-out	File SIMON/CON/1
24-May-2016 12:13:24	DEVELOP	TEST901	BASE0098	RisMenu	Transfer	Task BASE0098 to PROD
24-May-2016 12:06:27	DEVELOP	TEST901	BASE0098	RisMenu	Reprocess	Task BASE0098

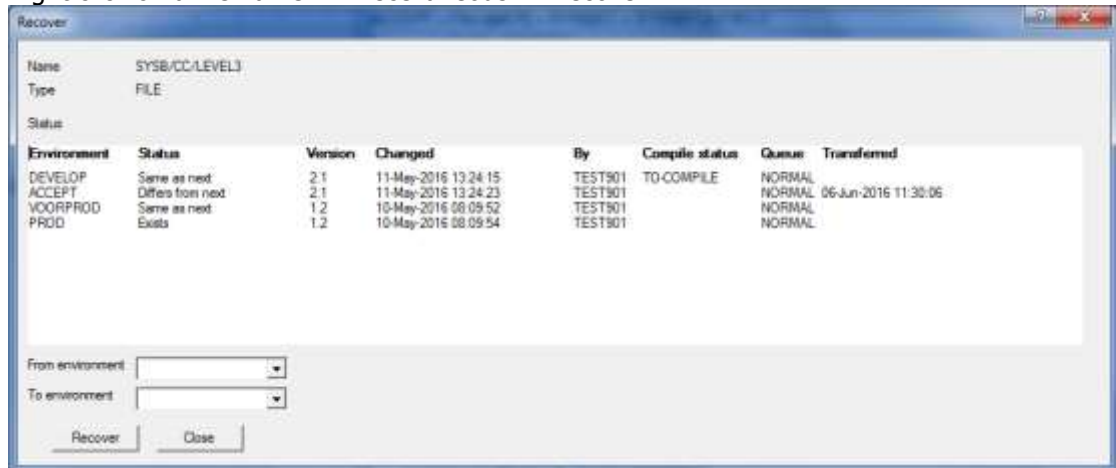
- For example: at 12h14 user TEST901 did a checkout of file SIMON/CON/1 in environment PROD because of task BASE99 via program RIS/MENU
- Column 'What' can be 'RisMenu' or 'SfW', and identifies the program that was used.

Task-0526-RIS Review function 'Recover from next environment'

The old method to recover a file from the next environment was not handy if you had to recover that file over multiple environments.

It is now possible to recover a file or RIS-component from one environment to multiple destination environments.

Right click on a file name → Miscellaneous → Recover:



The screen opens with the current status of the file.

You can choose the 'Environment From' and the 'Environment To':

- Environment From and To can not be the same
- You can only recover from an environment that is nearer to production to an environment that is further away from production (= from higher to lower)
- The file (or RIS-component) must exist on the 'Environment From'

A user gets an authorization error if he does not have authorization 'Recover' for all destination environments.

The file or RIS-component will be recovered from 'Environment from' to 'Environment To' and to all other environments in between.

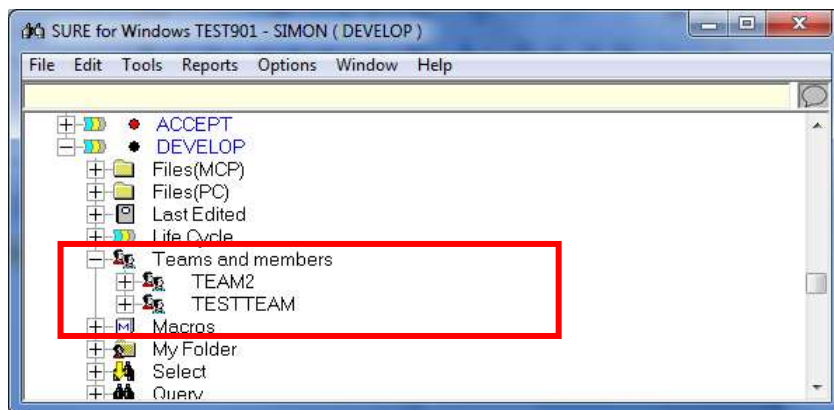
A log-entry is added for each environment where the file is recovered.

For the implementation of this feature we had to change the SFW-GUI and the OBJECT/RIS/API/= server on the MCP:

- The old SFW-GUI is still compatible with the new OBJECT/RIS/API/= server, but then the old recover method is still used.
- The new SFW-GUI must be installed after (or together with) the new OBJECT/RIS/API/= server.

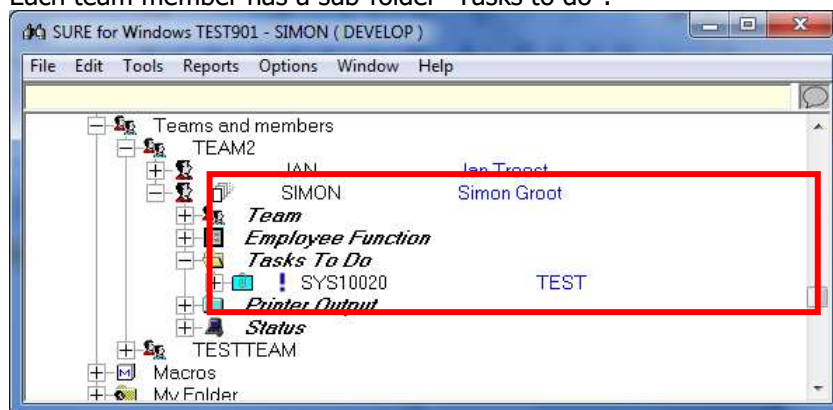
Task-0536-SURE New folder: Teams and members

The teams and team members of a user are now visible in SUREforWindows via folder "Teams and members":



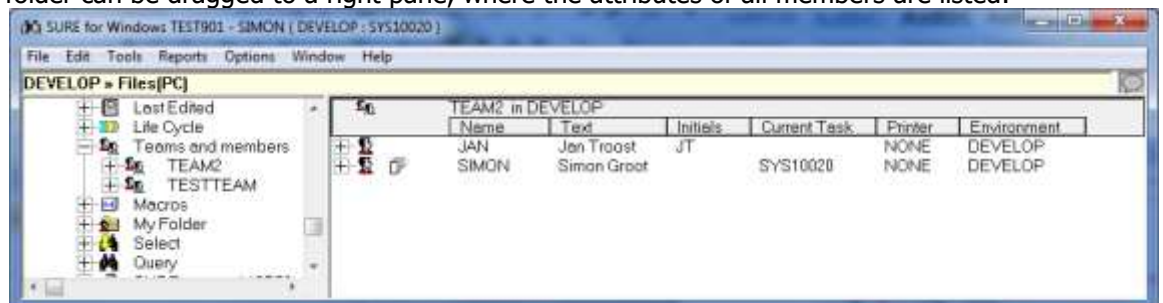
The advantages of this new folder "Team and members" are:

- The folder shows only the teams of the user that is logged on (this differs from folder Organization => Teams, where all teams are shown).
- The folder is visible for all roles that you can choose on the log-on screen.
- Each team member has a sub-folder "Tasks to do":



- o Subfolder "Task to do" appears only if tasks are assigned to that user
- o One of the methods to assign a task to a user is via drag and drop

A team folder can be dragged to a right pane, where the attributes of all members are listed:



- o This example shows the attributes of all members of TEAM2

Task-0541-SURE New batch function MOVE-TO-ARCHIVE

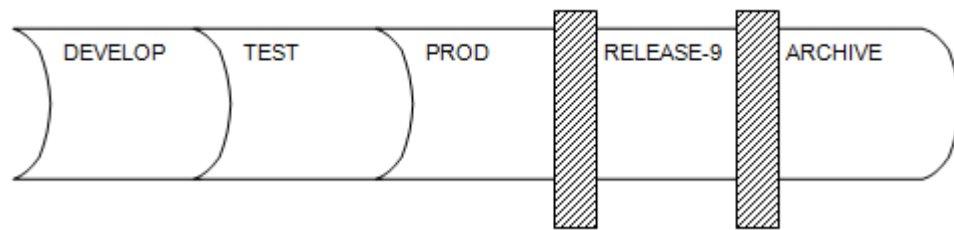
Batch function MOVE-TO-ARCHIVE reads the "to Archive" queue and moves all files and RIS-components that are in the queue to the Archive environment.

Run the batch function as follows: RUN RESPECT/REPOSITORY ("MOVE-TO-ARCHIVE");

The batch function selects all files and RIS-components that are placed in the 'To-Archive' queue via online function Archive --> Move to Archive.

The selected files and RIS-components are moved to the Archive environment and purged in the other environment, except for the historical environments and the branch environments.

Example: consider a repository with the following environments:



- PROD is a 'Solved' environment, because the vertical bar indicates that you cannot transfer a task from PROD to RELEASE-9. So, tasks that are promoted to PROD get status SOLVED. You cannot promote a task to RELEASE-9, so RELEASE-9 is a historical environment.
- If a file is archived, then it is copied to environment ARCHIVE and purged in all other environments up until the first 'Solved' environment (DEVELOP, TEST and PROD). The file is not purged in environment RELEASE-9 because that is an historical environment.

The File-Version which is copied to the Archive depends on the File-Status:

- If the file consists in the first 'Solved' environment (in the above example: PROD), then the file is copied from PROD to ARCHIVE and then purged.
 - o So, the PROD-version is archived
 - o If there is a newer version in the lower environments (in this example: DEVELOP, TEST) then that version disappears.
- If the file does not consist in the first 'Solved' environment, then the DEVELOP-version is copied to the Archive and then purged.
 - o If there is an older version in the environments between DEVELOP and PROD then that version disappears.

In the case that a RIS-component is archived then all its generated files are archived as well, but only if such a file is not manually changed in any environment:

- In case of an LFI: the generated LFI sources and the generated XML are archived.
- In case of a CNV: the generated CNV sources and the generated SQL-layout.
- In case of a format: the generated copy-files are archived.
- In case of an FCM or RPT: the generated sources and the input script are archived.
- In case of other RIS components: the generated sources are archived.

The program creates an overview of all files and RIS components that it archived. The overview can be opened via:

SURE Server → Batch reports → BATCHOUTPUT/<date>/<time>-ARCHIVE

Task-0546-SURE Create an example REG file for an automatic SfW installation

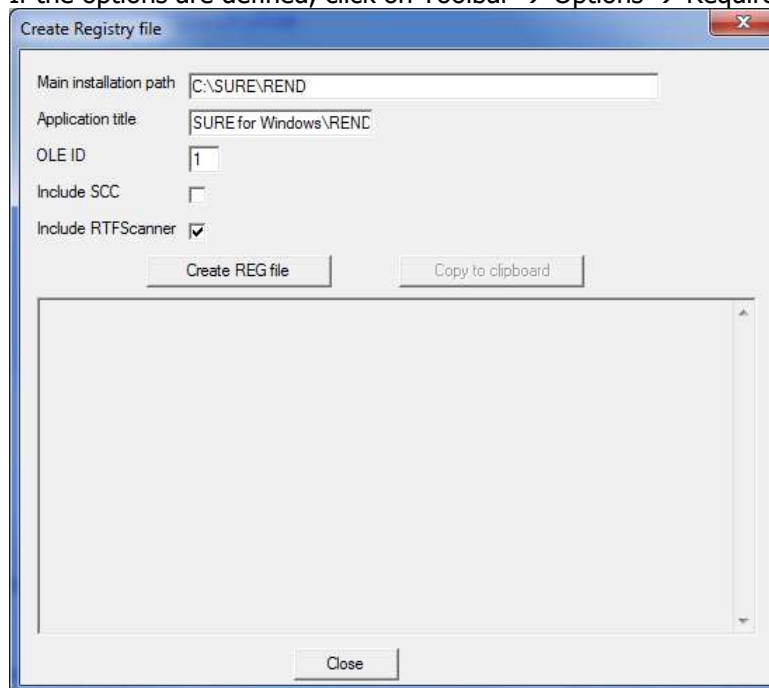
SUREforWindows require a setting in the Windows registry for the following cases:

- When the SURE task reports (in folder Toolbar → Reports) are used
- When SfW is installed multiple times on the same workstation
- When SfW is used as SCC-provider in Visual Studio

Changes in the Windows registry can only be applied by a (local) administrator, so if SfW is installed by a user who does not have (local) administrator rights, then the Windows registry settings are not applied, which limits the functionality of SfW.

It is now possible to generate an example REG file which contains all the registry settings that SfW needs. This example REG file can be input for an installation script that is used to install SfW automatically. The procedure is as follows:

- Install SUREforWindows for the first time by an administrator. This will already add some registry settings.
- Go to Options → SURE options → Local options
 - o Define option OLE Server Id
 - o Define option Use as SCC provider (only if necessary)
- If the options are defined, click on Toolbar → Options → Required Registry entries:



- o Option 'Main installation path' defines the directory where SfW is going to be installed on the target workstation. This path must also be available on the workstation where this example REG-file is created.
- o If SfW is installed multiple times on a workstation then each installation must have a unique 'Main installation patch', 'Application title' and 'OLE id'.
- o Option 'Include SCC' is only required for the SCC provider (default no).
- o Option 'Include RTF scanner' is required for the task reports (default yes).
- o Option 'OLE id' is required for the task reports, for the SCC-provider and when SfW is installed multiple times. The value is from 1 to 99 (default 1).
- Button [Create REG file] creates the example registry settings.
- Button [Copy to clipboard] must be used to copy the example settings and to paste them into the REG-file that is input for the automatic installer.

Task-0549-SURE Make it possible to send a message to users or to a team

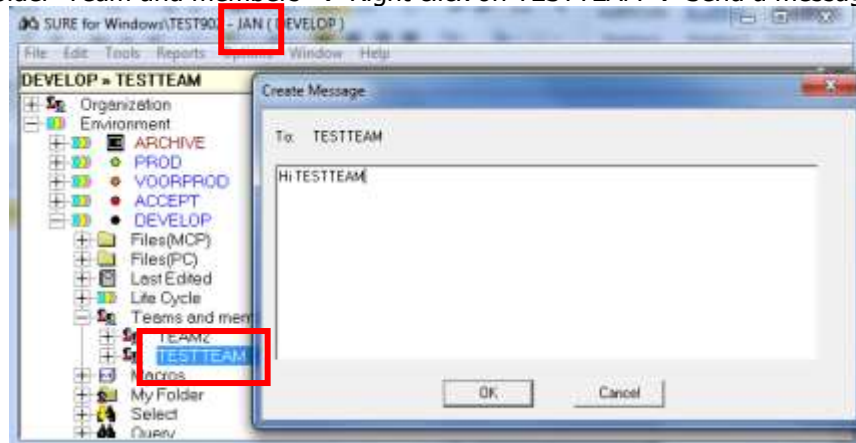
It is now possible to send a message to one or more users or to a team, and to reply on that message. The procedure works as follows:

- Select one or more users or select a team → Right click → Send message
 - o The 'Send message' screen appears where you can enter the text
- The message will be sent to each on-line team member and appears in the user's message screen (also used for batch messages)
- The recipient can reply via a double click on the usercode who sent the message

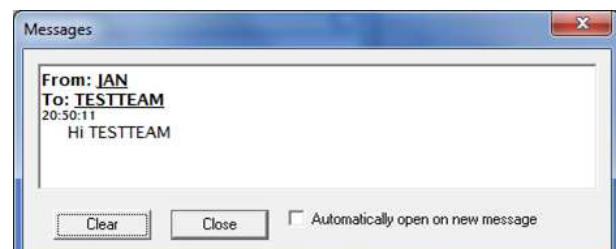
Example:

User JAN wants to send a message to team TESTTEAM:

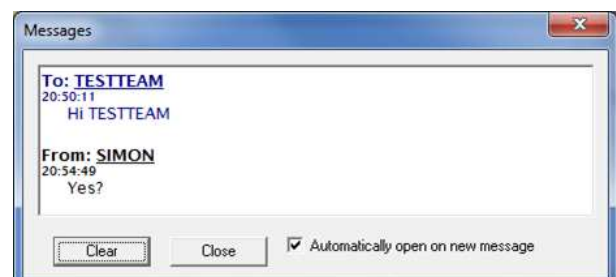
- Open folder 'Team and members' → Right click on TESTTEAM → Send a message:



User SIMON is a member of TESTTEAM and receives the message in his messages screen:



User SIMON replies to JAN via a double click on JAN (after From:); JAN receives the reply in his messages screen:



Other details:

- Received messages are in black text; sent messages are in blue.
- New messages appear at the bottom of the screen, previous messages scroll to the top.
- A message is only sent to users who are on-line and active in SUREforWindows. An error is returned when none of the recipients is on-line.
- You can reply to a single user or to a team or to all original recipients.
- Messages from batch program appear also in the messages screen, but you cannot give a reply on those messages.
- The content of the messages screen is not saved when you close SUREforWindows, but you can select the full content via Ctrl-A, and copy-paste it in a file.

Task-0577-SURE Improve the TCPIP connections between Sfw GUI and Server

A non-used TCPIP-subfile remained open if that TCPIP connection between the Sfw-GUI and the SURE-server is broken because of an external reason (for example when you temporarily plug-out the datacom cable of your laptop). SUREforWindows will automatically re-establish the connection as soon as possible, but that is done via another TCPIP-subfile. The old subfile remains open and won't be used anymore.

This is solved by using Unisys File Attributes DIALOGCHECKINTERVAL and BLOCKEDTIMEOUT for the TCPIP file in SURE server program RIS/API/DCIS

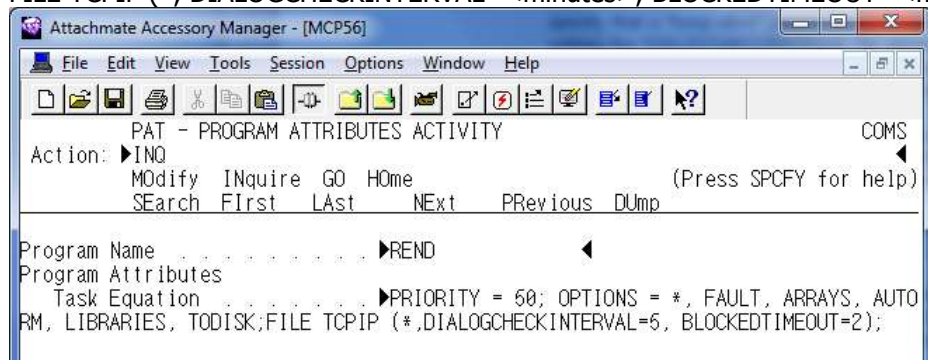
- DIALOGCHECKINTERVAL: if no data is being exchanged over a connection, you can specify that a "keep-alive" packet be sent to verify that the connection is still open by setting the DIALOGCHECKINTERVAL file attribute value to a nonzero value. If no response is received from the keep-alive packet, the connection goes to the blocked state and remains in that state for the time defined by the BLOCKEDTIMEOUT file attribute value.
- BLOCKEDTIMEOUT: the connection terminates after no response to the keep-alive packet is received in the time defined by the BLOCKEDTIMEOUT value. If a response to the keep-alive packet is received, the connection returns to an open state.

We implemented these two file attributes with the following default values:

- DIALOGCHECKINTERVAL = 7
- BLOCKEDTIMEOUT = 2

It is possible to overrule these default values by adding the following phrase to the Program Attributes (PAT) of the SUREforWindows program in COMS Utility:

FILE TCPIP (*, DIALOGCHECKINTERVAL=<minutes>, BLOCKEDTIMEOUT=<minutes>);



Task-0578-SURE Show pop-up screen with reminder-info at function check-out

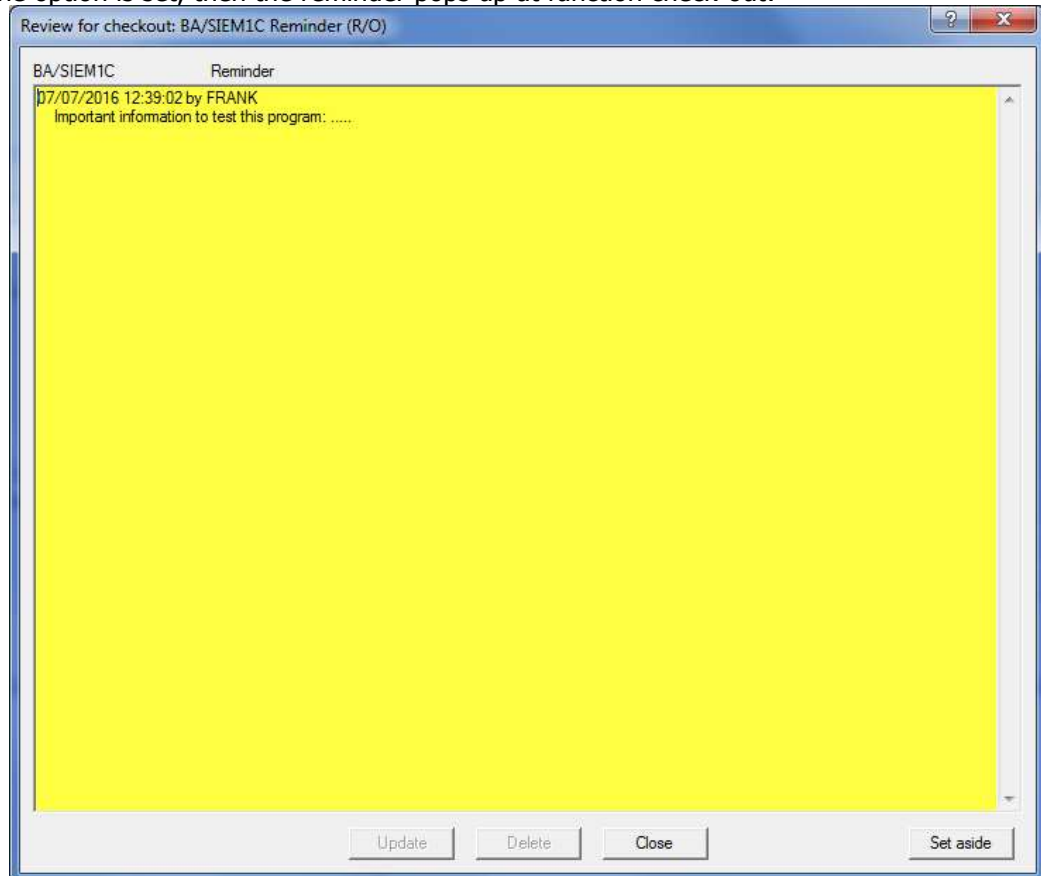
It is now possible to configure that the reminder info of a source is shown on a pop-up screen each time when that file is checked out. The reminder info can contain important information for the developer, and with this option the developer cannot forget to open that information.

The functionality is enabled via the AW_OBJ.INI option:

```
[SURE]  
CHECKOUTREMINDER=TRUE
```

The option is only applicable for files that have a reminder.

If the option is set, then the reminder pops up at function check-out:



- The reminder is shown in read-only mode.
- The check-out is blocked until the reminder screen is closed or set aside.
 - o Button [Close] closes the reminder.
 - o Button [Set aside] leaves the reminder open but moves the screen to the right hand side of the monitor, where it can be closed on a later moment.

On multi-file checkout:

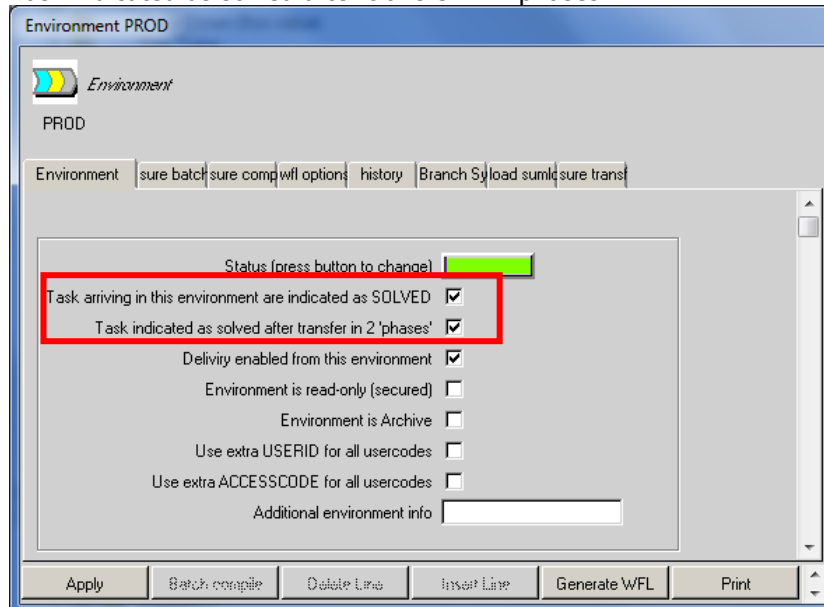
- The reminder of each file is shown, and continuation of the checkout process is blocked until the reminder screen is closed or set aside.

Task-0587-SURE Feature: task gets status solved when all compilations are OK

It is now possible to configure that a task gets status SOLVED when all compilations because of that task are successful.

A task is changed to status SOLVED when it is transferred to a 'Solved' or final environment, depending on the following two environment options:

- Tasks arriving in this environment are indicated are SOLVED
- Task indicated as solved after transfer in 2 phases



Suppose a repository with three environments: DEVELOP, TEST and PROD, Environment PROD has option "Tasks arriving in this environment are indicated are SOLVED" enabled.

If environment option "Task indicated as solved after transfer in 2 phases" is disabled, then:

- If the task is transferred to environment PROD, then the task status is immediately changed to SOLVED. In this case all files are moved to the history of the task, and the task is moved to the history of each linked file

If environment option "Task indicated as solved after transfer in 2 phases" is enabled, then:

- If the task is transferred to environment PROD, it gets status = PROD, and all linked files remain linked to the task, but now in environment PROD.
- When the task is again manually transferred from environment PROD to environment PROD, then it gets status = SOLVED. The linked files are now moved to the history of the task, and the task is moved to the history of each linked file

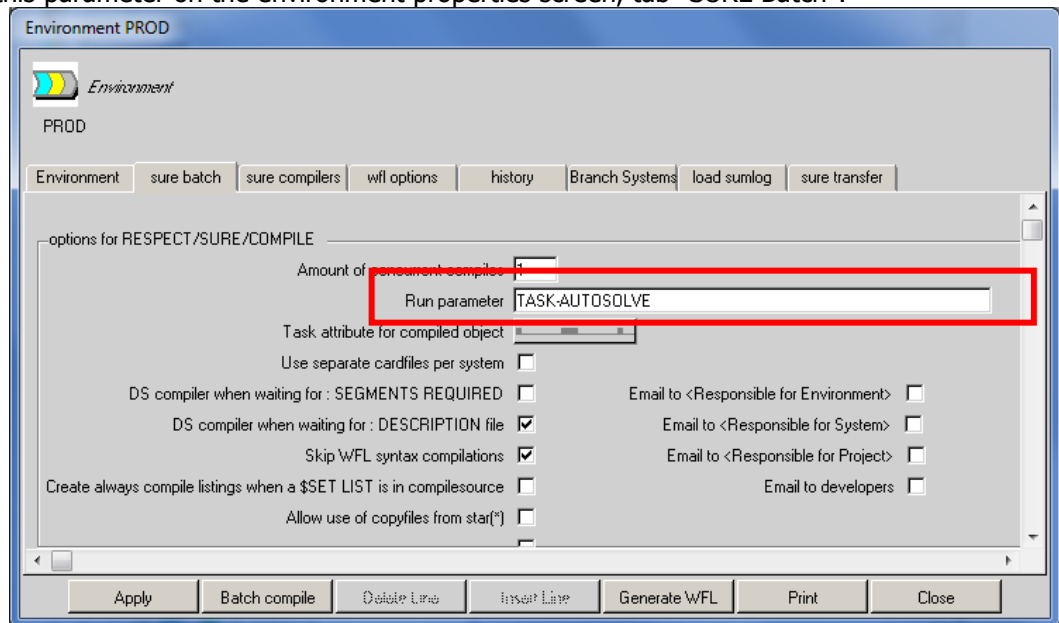
So it was already possible to configure that a task is not immediately changed to SOLVED when transferred to a final environment, but it was a manual action to transfer the task a second time to get it closed. With the new method, the status of a task is automatically changed to SOLVED by RESPECT/SURE/COMPILE when all compilations because of the task are successful.

The configuration for this new method is as follows:

The new method is only applicable for an environment with the following two options set:

- Tasks arriving in this environment are indicated are SOLVED
- Task indicated as solved after transfer in 2 phases

RESPECT/SURE/COMPILE must be started with extra parameter "TASK-AUTOSOLVE". You can define this parameter on the environment properties screen, tab "SURE Batch":



- The SURE-batch job (WFL/<environment>/SURE) will be regenerated with TASK-AUTOSOLVE as extra parameter for RESPECT/SURE/COMPILE.
- If you have a site-specific job for the SURE evening batch then you have to define the parameter manually in your own job.
- The Run parameter is also used when you start the SURE batch from the Compile Interface screen via button [Start batch job CP/NX],

The compile overview of RESPECT/SURE/COMPILE contains **at the end** an extra paragraph "Overview of task status changed to SOLVED"

- The overview can be downloaded via SUREforWindows from directory:
 <Environment> → Unisys SURE server →
 Batch reports → BATCHOUTPUT/date →
 BATCHOUTPUT/date/time_COMPILE → rightclick → download
- It shows the tasks with the status changed to SOLVED
- It shows the tasks with the status not changed to solved, plus the reason

Example:

Overview of task status change to SOLVED

```
Task BASE0109 Status not changed; Task is part of blocked integrity chain
Task BASE0110:
    Status changed to SOLVED
Task BASE0111 Status not changed; Some compilations had syntax errors
```

Summarized:

- The task status is automatically changed to SOLVED by RESPECT/SURE/COMPILE when all compilations because of that task are successful.
- This new method works under the following conditions:
 - o Enable the following two environment options:
 - Tasks arriving in this environment are indicated are SOLVED
 - Task indicated as solved after transfer in 2 phases
 - o RESPECT/SURE/COMPILE must be started with parameter TASK-AUTOSOLVE:
 - RUN RESPECT/SURE/COMPILE("TASK-AUTOSOLVE")

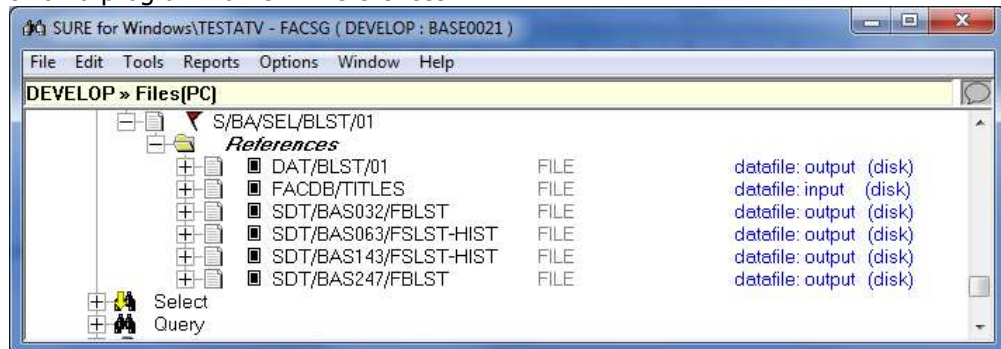
Task-0608-SURE Feature: extra info about data files that are used by program

SUREforWindows gives now extra information about data files that are used by a program.

The information about data files is loaded in SURE via the examine process. The following information is loaded:

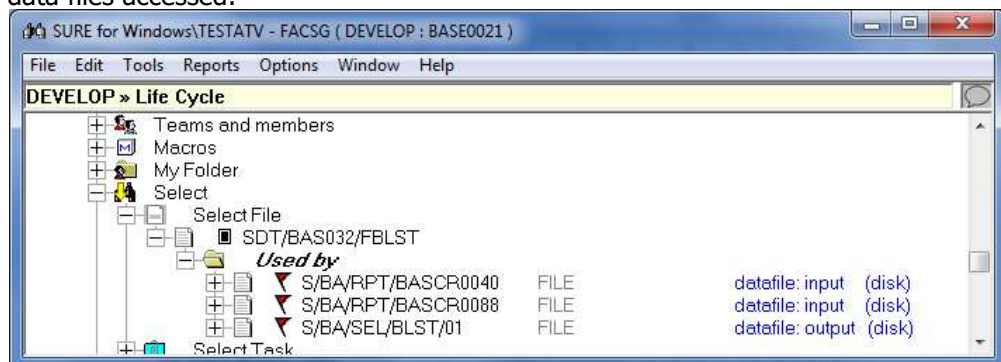
- The internal file name (the name-key in the source)
- The external file name (the file name on disk)
- The usage: INPUT, OUTPUT or I-O
- The storage medium: DISK, PRINTER, et cetera

Right click on a program name → References:



- The data files are only visible via sub-folder references if key FILE is added to "reference request list" (via Configuration → Right click on References → Properties).

The data file information is also available in the reserved direction: by which programs is a specific data files accessed:



Statements that are recognized by Examine

Examine scans the following statements to obtain the information about data file:

- For COBOL files (Unisys COBOL or MicroFocus COBOL (MFC)):
 - o SELECT:
 - SELECT <internal name> ASSIGN TO <medium>
 - SELECT <internal name> ASSIGN TO DYNAMIC <dataname> (MFC)
 - o FD:
 - FD <internal name>. VALUE OF <attribute> IS "<external name>"
 - FD <internal name>. VALUE OF <attribute> IS <data name>
 - <Attribute>: TITLE, LTITLE, FILENAME, LFILENAME, FILE-ID
 - o Working-storage section:
 - <Data name> PIC XXX VALUE "<external name>."

- If the external name ends with an underscore, hyphen or slash then that name is ignored, because then the name is probably not complete
 -
 - Procedure division:
 - MOVE "<external name>." TO <data name>
 - OPEN <usage> <internal name>
 - <usage>: INPUT, OUTPUT, I-O or EXTEND (= OUTPUT)
 - READ <internal name>
 - CHANGE ATTRIBUTE <attribute> OF <internal name> TO "<external name>"
 - <Attribute>: TITLE, LTITLE, FILENAME, LFILENAME
 - Some considerations for COBOL files:
 - If a file is used in a READ statement then the usage is INPUT.
 - If a file is used for INPUT and OUTPUT then the usage becomes I-O.
 - For MicroFocus COBOL: Examine replaces each forward slash '/' in the external file name by an underscore '_'.
- For ALGOL files:
 - FILE declaration with some attributes:
 - FILE <internal name> (...
 - TITLE/TITLE/FILENAME/LFILENAME = "<external name>."
 - KIND = <medium>
 - MYUSE/FILEUSE = <usage>
 - ...)
 - READ(<internal name>, ...)
 - WRITE(<internal name>, ...)
 - Some considerations for ALGOL files:
 - If a file is used in a READ statement then the usage is INPUT.
 - If a file is used in a WRITE statement then the usage is OUTPUT.
 - If a file is used for INPUT and OUTPUT then the usage becomes I-O.
 - Examine links an internal filename only to the program if that internal file name is connected to an external filename in the file declaration (as shown in the example above).

Incomplete examine results

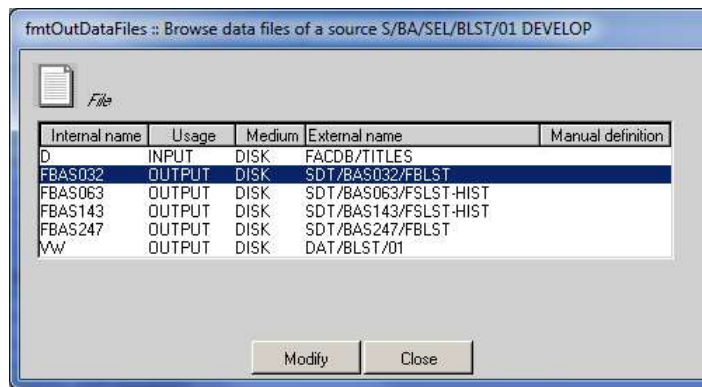
It is obvious that the Examine-result depends on how the program is written. Examine cannot connect an external file name to an internal name if the external name is made up at run time via some generic statements.

The rule is: Examine recognizes only external file names that are declared in the program via string literals. Such a string literal can be used in the FD statement, or it can be connected via a direct MOVE to the data-name that is assigned to the internal file name, or it can be used in a CHANGE ATTRIBUTE TITLE clause (as shown in the examples above).

SfW offers a function to update the data file info manually. This function can be used to fix the case that Examine cannot assign an external file name for each internal file name.

The new update function is available in SUREforWindows:

Right click on a program name → Miscellaneous → Data files:



- To update a line: click on the line, followed by a click on button [Modify]:



- o Usage can be: INPUT, OUTPUT, I-O
 - o Medium can be: DISK, PRINTER, REMOTE, PORT, SORT, CD, READER, TAPE, VIRTUAL
 - o External name can be any name.
- A line with updated data file information is marked with 'Manual defined' so that Examine will ignore that information the next time that the source is examined.

Task-0610-SURE Feature: define a template for the task solution

It is now possible to define templates for the task description and task solution, to support a standard layout for your tasks.

Defining the templates

The templates have to be defined for a task type:

Configuration → Task types → Properties of a task type → button [Info]:

- Select one of the two templates: Task Description or Task Solution. This shows the free-format information screen when you can enter the template text:

Using the templates

The description template is only used when a new task is created via the default VB-task screen.

- As soon as you enter the task-type, the description template text of that task type is pre-filled in the Description box.
- When you change the task-type and the text in the Description box is still original (no text or the original template text), then the template text of the new task type is shown.

- The template text is only a starting point. The user is free to change or delete it.

The solution template is used when solution info is added to the task via SfW:

- Via the solution box on the default VB task screen:
 - o If you open the Task Solution box, and the task does not yet have a solution then the solution template text of the task's task-type is shown.
 - o When you change the task-type and the text in the Solution box is still original (no text or the original template text), then the template text of the new task type is shown.
- Via right click on the task → Solution:
 - o If the task does not yet have a solution then the solution template text of the task's task-type is shown.
- The template text is only a starting point. The user is free to change or delete it.

Task-0632-SURE New option: Local Compile via OLE connection

Local compilations are started via the external compile tool AS_COMP.

Up until now AS_COMP connected to the SUREforWindows browser via the DDE-method, but under Windows-10 this method may fail.

That is why we created the option that AS_COMP connects to SUREforWindows via the OLE-method, because the OLE-connection method is already used by several other external processes.

A local compilation can be started in two ways:

- Via a right click on <source-name> → Compile → Local
- Via the command line interface (this can also be done from an editor like MultiEdit, so that you can start the compilation from that editor).

A local compilation started via Right click on <source-name> → Compile → Local

- The OLE-method requires the following settings in the AW_OBJ.INI file:
 [GLOBAL]
 OLESERVER=<nr>

 [COMPILE]
 VIA=OLE
- If the above settings are not found in the ini-file then the old DDE-method is used

Compilation started via the command line interface

- The OLE-method requires the following settings:

The AW_OBJ.INI file:

```
[GLOBAL]
OLESERVER=<nr>
```

And the command line must be as follows:

```
as_comp <long-source-name> /O <nr>
```

Example when compiling program PROG/1 for environment DEV, with OLESERVER=82 and SFW installed in directory C:\SURE:

```
C:\sure\ris\bin\as_comp C:\sure\dev\work\PROG\P1.C74 /O 82
```

- The DDE-method requires the following settings:

The AW_OBJ.INI file:

```
[GLOBAL]
SERVICENAME=<name>
(If SERVICENAME is not defined then it defaults to 'AW_OBJ')
```

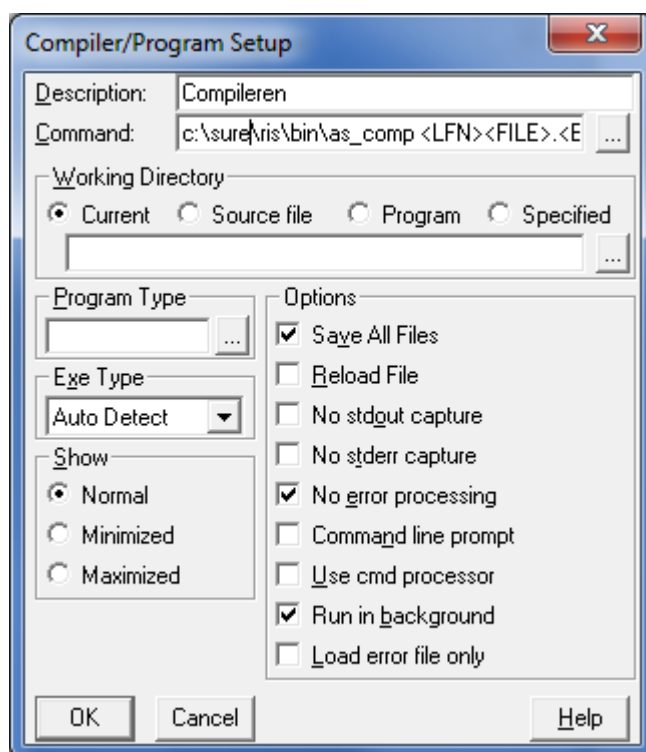
And the command line must be as follows:

```
as_comp <long-source-name> /S<name>
```

Example when compiling program PROG/1 for environment DEV, with SERVICENAME=ABC and SFW installed in directory C:\SURE:

```
C:\SURE\ris\bin\as_comp C:\sure\dev\work\PROG\P1.C74 /SABC
```

- Example of the command line definition in MultiEdit:
 - o MultiEdit → Tools → Execute Compiler → button [Insert] :



Command = c:\sure\ris\bin\as_comp <LFN><FILE>.<EXT> /O 82

Task-0771-SURE Batch function to copy files from SURE-repository to Windows

SUREforWindows offers several interactive functions to copy files from the SURE repository to the local source directory on Windows. For example:

- Right click on a directory => Get Latest Version
- Do a Query function => Right click on folder Query => Download the selected file

These interactive functions are now also available in batch mode.

Detailed information

Function 'SUREforWindows Batch Download' works similar as function 'SUREforWindows Batch Load':

- SUREforWindows is started in batch mode via a special 'batch-mode' ini-file.
- All parameters that are normally passed to SUREforWindows via interactive screens must now be defined in the ini-file.

Log on to SUREforWindows and enable the 'Save these credentials' checkbox on the log-on screen, to allow unattended log-on in the future.

Function 'SUREforWindows Batch Download' is triggered by an ini-file with section [BATCH] and key DOWNLOAD.

There are 3 modes:

- Download all files of a directory
- Download all files that are selected via a Macro
- Download all files that are selected via a Query

The following BATCH-LOAD keys can be defined in the ini-file:

[GLOBAL]

MODE=EVENTLOG

- This option suppresses global verification messages, such as 'Exit the SURE interface, please confirm'.

Syntax 1: Download all files of a directory

```
[BATCH]
ENVIRONMENT=<environment name>
DOWNLOAD=<path with wildcards>
SUBDIR=true/false
```

Syntax 2: Download all files that are selected via a Macro

```
[BATCH]
ENVIRONMENT=<environment name>
DOWNLOAD=QUERY
MACRO=<macro name>
```

Syntax 3: Download all files that are selected via a Query

```
[BATCH]
ENVIRONMENT=<environment name>
DOWNLOAD=QUERY
WILDCARD=<path with wildcards>
LIMIT=<maximum number>
EXPRESSION=<query expression>
```

Details of some parameters

ENVIRONMENT=<environment name>

- Optional, default: logon environment
- SURE environment to copy files from.

SUBDIR=<true/false>

- Optional, default: FALSE
- Include subdirectories of the specified path.

MACRO=<macro name>

- This must be the technical key of the macro. You see it on the top of the Macro properties screen.

WILDCARD=<path with wildcards>

- Optional
- The same usage as on the Query screen

LIMIT=<number>

- Optional
- The same usage as on the Query screen

EXPRESSION=<query expression>

- Optional
- The same usage as on the Query screen

There are no intermediate spaces allowed just before or after the equal (=) sign.

Example

The SUREforWindows work directory = C:\SURE\TEST901\DEVELOP\WORK

```
[GLOBAL]
MODE=EVENTLOG
```

```
[BATCH]
UNATTENDED=TRUE
ENVIRONMENT=DEVELOP
DOWNLOAD=S/=
SUBDIR=TRUE
```

This configuration copies directory S/= from SURE-environment DEVELOP the local source directory of environment DEVELOP on Windows.

Task-0850-SURE Improvements to function Reprocess Quick Fix

Function Reprocess Quick Fix is used to copy program-changes that are made in a higher environment to the development environment.

We improved the Check-Out function on the Reprocess Quick Fix screen, to let it work better in the case that a developer works with Programmers Workbench or the Cande editor

The biggest changes are:

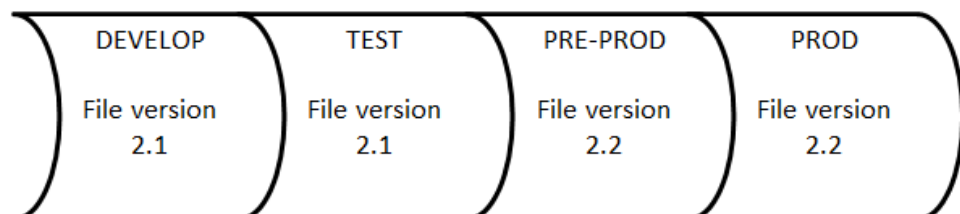
- Button [Checkout] on the Reprocess-QuickFix screen puts the checked-out file always in the Local Work Directory on Windows, even if option 'Local Editing' is disabled by the developer for regular check outs.
- Button [Checkout] on the Reprocess-QuickFix screen loads the checked out source always in the compare tool (default WinMerge), even if the local editor for MCP file is Programmers Workbench or a PC editor like MultiEdit or Notepad++
- If the source is checked-out via the Reprocess-QuickFix screen then you can reload the file in WinMerge again and again
- If the local editor for MCP file is Programmers Workbench and the file is checked-out via the Reprocess-QuickFix screen (with the purpose to copy the changes to the development environment), then:
 - o You can only edit that file via button [Edit/Merge] on the Reprocess-QuickFix screen
 - o You can only check-in that file via the Reprocess-QuickFix screen

The function is explained via examples.

Example 1

Consider source ESY/CC/PROC:

- This source was stable with version 2.1 in all environments
- Then a quick fix is made in environment PRE-PROD, the fixed source is loaded in SURE with version 2.2, and finally promoted to environment PROD
- The file status is:



- The destination environment (to where the quick-fix changes must be copied) is environment DEVELOP

Screen Reprocess Quick Fix shows the following buttons for this file:

Reprocess Quick Fix : TASK0084-SYSB from environment PRE-PROD to DEVELOP

Task Name: TASK0084-SYSB, Reported By: SIMON, Status: QUICK-FIX, Solved By: SIMON, Test quick fix function

Reprocess: PRE-PROD / DEVELOP, View Changes, List

Quick Fixed in Environment: PRE-PROD, View Changes, List

Reprocess in Environment: DEVELOP, View Changes, List

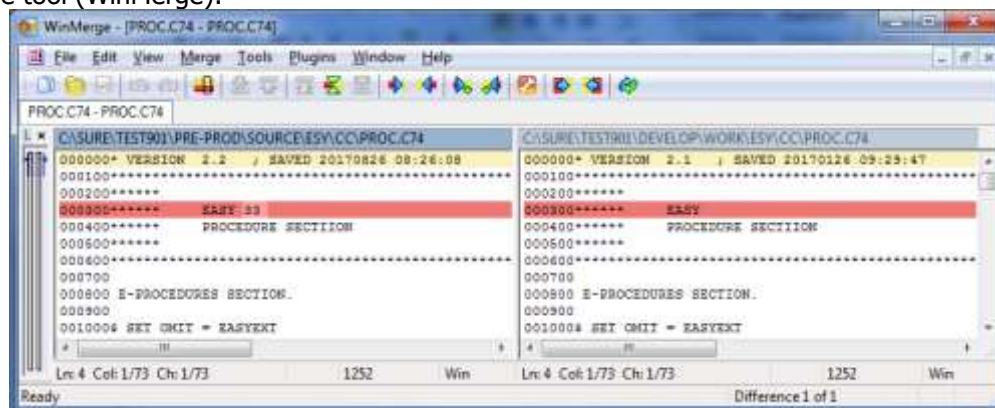
Controlling task: Search, Preview Apply

Entity	Name	PRE-PROD	DEVELOP	Summary	Status	Origin
File	ESY/CC/PROC	2.2 (SIMON)	2.1 (SIMON)	.*qE	ToDo	
File	INT/CC/CALCUL_DEST	3.3 (SIMON)	4.1 (SIMON)	.*qE	ToDo	

Buttons: Reprocess, Check Out, Help, Close

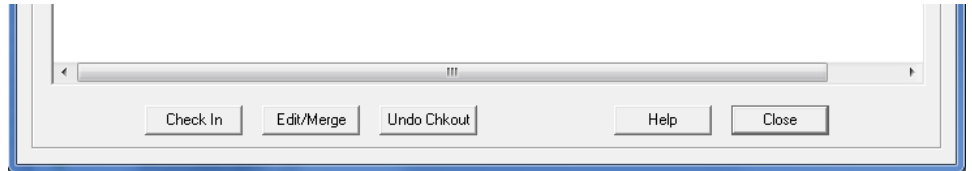
The buttons on screen are only relevant for the highlighted source

- Button [Reprocess]
 - o This button is only visible if the original file version in the environment of the quick fix **is the same** as the current file version in the environment to where the fix must be copied. That is true in this example because:
 - The original file version in PRE-PROD = 2.1
 - The current file version in DEVELOP = 2.1
 - o Pressing button [Reprocess] copies the current version from the quick-fix environment (2.2 PRE-PROD) to destination environment DEVELOP.
- Button [Check Out]
 - o Pressing button [Check Out] does a check out of the source in destination environment DEVELOP, and compares it with an example version that has the quick fix modifications already applied in it. Both versions are shown in the compare tool (WinMerge):



- Left = the original source + changes (as an example)
- Right = the checked-out source

- The developer can move the changes one by one from the example source to the checked-out source.
- The checked out source is **always** checked out to the Local Work Directory on Windows and loaded in WinMerge
- Pressing button [Check out] changes the status of the file to 'Checked-out', and therefore the buttons on the bottom of the screen are changed as well to support that new status:

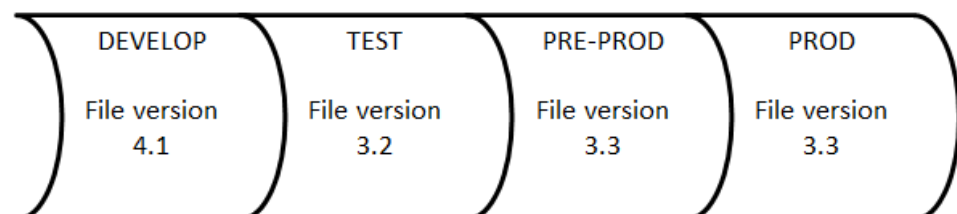


- Button [Check in] is used when the reprocessing of the fixes is done and the source must be checked-in.
- Button [Edit/Merge] can be used to reload the checked-out source in WinMerge, for example when WinMerge was closed too early and extra changes must be made in the source.
- Button [Undo Checkout] can be used when the quick-fix doesn't have to be reprocessed after all.
- Pressing buttons [Check in] or [Undo Checkout] changes the status of the file to 'Checked-in', and therefore the buttons on the bottom of the screen are changed as well to support that new status.

Example 2

Consider source INT/CC/CALCUL_DEST:

- This source was stable with version 3.2 in all environments
- Then a regular change is made in environment DEVELOP, the version in DEVELOP is now 4.1
- Then a quick fix is made in environment PRE-PROD, the fixed source is loaded in SURE with version 3.3, and finally promoted to environment PROD
- The file status is:



- The destination environment (to where the quick-fix changes must be copied) is environment DEVELOP

Screen Reprocess Quick Fix shows the following buttons for this file:

Reprocess Quick Fix : TASK0084-SYSB from environment PRE-PROD to DEVELOP

Task
Name TASK0084-SYSB Reported By SIMON
Status QUICK-FIX Solved By SIMON
Test quick fix function

Reprocess
Quick Fixed in Environment PRE-PROD PRE-PROD / DEVELOP View Changes
Reprocess in Environment DEVELOP View Changes List
Controlling task Search DEVELOP Preview Apply

Entity	Name	PRE-PROD	DEVELOP	Summary	Status	Origin
File	ESY/CC/PROC	2.2 (SIMON)	2.1 (SIMON)	*.qE	Done	
File	INT/CC/CALCUL_DEST	3.3 (SIMON)	4.1 (SIMON)	**qE	ToDo	

Check Out Apply Override Help Close

The buttons on screen are only relevant for the highlighted source

- Button [Apply]
 - This button is only visible if the original file version in the environment of the quick fix **is not the same** as the current file version in the environment to where the fix must be copied. That is true in this example because:
 - The original file version in PRE-PROD = 3.2
 - The current file version in DEVELOP = 4.1
 - This button applies the quick-fix changes that were made in PRE-PROD to the changed source in DEVELOP. You can preview this action via button [Preview Apply]
- Button [Override]
 - This button is only visible if the original file version in the environment of the quick fix **is not the same** as the current file version in the environment to where the fix must be copied. That is true in this example because:
 - The original file version in PRE-PROD = 3.2
 - The current file version in DEVELOP = 4.1
 - This button copies the current version from the quick-fix environment (3.3 PRE-PROD) to destination environment DEVELOP, and overwrites the changed version in DEVELOP.
- Button [Check Out]
 - Pressing button [Check Out] does a check out of the source in destination environment DEVELOP, and compares it with an example-version that has the quick fix modifications already applied in it. Both versions are shown in the compare tool (WinMerge)
 - See example 1 for details

Task-0852-SURE Configuration of Notepad++ as local editor for MCP sources

Notepad++ is a popular (distributed as free software) text editor and source code editor for use with Microsoft Windows. It supports tabbed editing, which allows working with multiple open files in a single window. See the Notepad++ home webpage for details.

Notepad++ can also be used in combination with SURE as the local editor for MCP sources.

The following configuration gives a smooth integration of Notepad++ with SURE and good support for MCP sources.

Configuration in SURE

Define Notepad++ as the Local Editor for MCP sources as follows:

Toolbar → Options → SURE options → tab: Local Options →

Field: Edit MCP files = Enter the full name of Notepad++

Configuration in Notepad++

1. Configure keyboard button [Tab] as 1 space:

Toolbar → Settings → Preferences → tab: Language →

Field: Tab size = 1

Checkbox: Replace by space = true

An MCP source file should not contain tabs

2. Define a right margin on the screen:

Toolbar → Settings → Preferences → tab: Editing →

Field: number of columns = 72 (for COBOL) or 80 (for ALGOL/JOB)

This option supports the developers to make the lines not too long

3. Import syntax highlighting for languages COBOL, ALGOL and JOB:

The SUREforWindows HELP directory contains 3 configuration files for syntax highlighting that you can import in Notepad++.

(The SUREforWindows HELP directory = <SURE installation dir>\RIS\HELP\)

Toolbar → Language → Define your language → Button [Import]:

Import file "NotepadPlus syntax highlighting for language Unisys-ALGOL.XML" from the SURE help directory SURE\RIS\HELP\

Import file "NotepadPlus syntax highlighting for language Unisys-COBOL.XML" from the SURE help directory SURE\RIS\HELP\

Import file "NotepadPlus syntax highlighting for language Unisys-JOB.XML" from the SURE help directory SURE\RIS\HELP\

Restart Notepad++ to activate the new languages

About the syntax highlighting:

- The most frequently used commands are highlighted. You can adjust the set with recognized keywords to your own needs, as follows:
 - Open screen Toolbar → Language → Define your language

- Select the language via the User language button (top left corner)
- Go to tab <Keywords lists> to adjust the lists with recognized words
- For COBOL, ALGOL and JOB: the language syntax statements and the Unisys file attributes and task attributes are highlighted in **bold** and with background color 'light yellow':

```
004810      STRING SCAN-DIRECTORY DELIMITED BY SIZE
004820          , "." DELIMITED BY SIZE
004830          INTO SCAN-FILETITLE
004840
004850      MOVE SCAN-FILETITLE TO WS-F500-FILENAME
004860      PERFORM F500-INSPECT-FILENAME
```

- For COBOL and ALGOL: DMS2 statements are highlighted in **bold** and with background color orange:

```
13825000      SET SRELA TO BEGINNING:DMR;
13826000
13827000      WHILE NOT BOOLEAN(DMR) DO BEGIN
13828000          FIND KEY OF NEXT SRELA AT REL-VERSION = V_VERSION
13829000                      AND REL-ASSET = V_ASSET :DMR;
13830000
```

- For ALGOL and JOB: The keywords BEGIN and END are highlighted in **bold** and with background color 'light blue':

```
86553000      IF B_INIT_ERRINFO THEN BEGIN
86553500          REMOVE_FILE("ERRORS/GEN/LFI/"!!ID,EMPTY);
86554000          SET_FILETITLE(ERRORFILE,"ERRORS/GEN/LFI/"!!ID!!".");
86555000      END;
```

- Number and string literals are highlighted in foreground color 'bright blue'
- Comment lines are highlighted in *italic* and foreground cobol red
- Dollar cards are highlighted in foreground color green
- You are free to adjust the used colors to your own preference

4. Allow to select text between delimiters over multiple lines:

Toolbar → Settings → Preferences → tab: Delimiter →

Fields: Open and Close = enter appropriate open and close delimiters

Checkbox: Allow on several lines = true

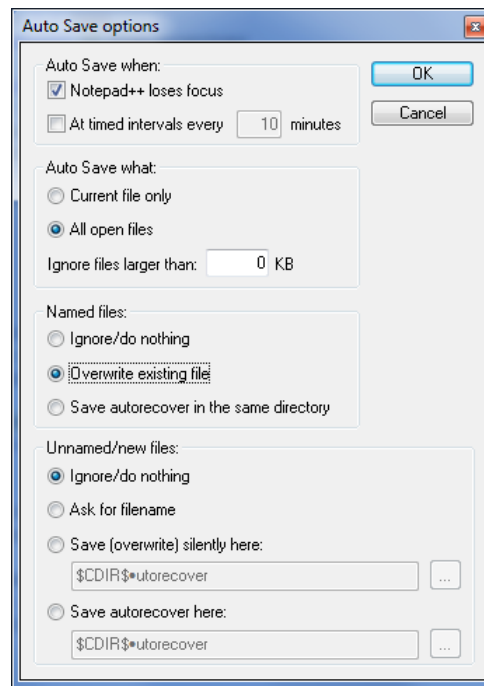
5. Import the plugin to save the current file automatically when the desktop focus changes to another Window:

Toolbar → Plugins → Plugin Manager → Show Plugin Manager screen

Select plugin 'Auto Save' → [Install]

Configure plugin AutoSave as follows:

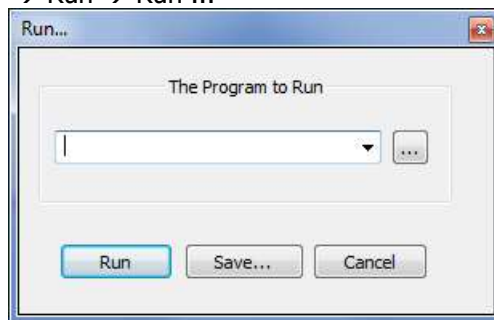
Toolbar → Plugins → Auto Save → Options



When plugin Auto Save is installed then the changes in Notepad++ are automatically saved when you change to SURE to do the check in. This really improves the integration between SURE and Notepad++

6. Define the RUN command to start a Local Compile on the MCP for the current source

Toolbar → Run → Run ...



Enter: C:\SURE\RIS\bin\as_comp \$(FULL_CURRENT_PATH)

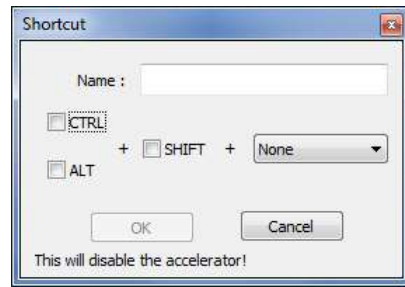
If SURE is defined with a compile service name (on screen option / local options) then the field must be entered as follows:

C:\SURE\RIS\bin\as_comp \$(FULL_CURRENT_PATH) /S<server-id>

If SURE is defined with an OLE SERVER id (on screen option / local options) then the field must be entered as follows:

C:\SURE\RIS\bin\as_comp \$(FULL_CURRENT_PATH) /O <ole-id>

Click on button [Save] to assign the run command to a keyboard shortcut and to give it a name.



For example:

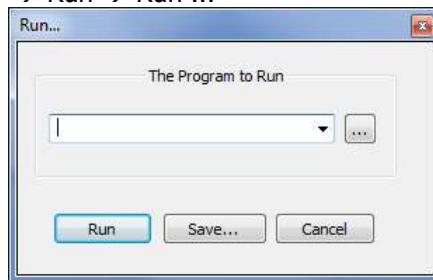
Name = Compile on MCP

Shortcut = <shift> F12

To start the compilation press the Keyboard Shortcut, or select the command from the list under Toolbar → Run

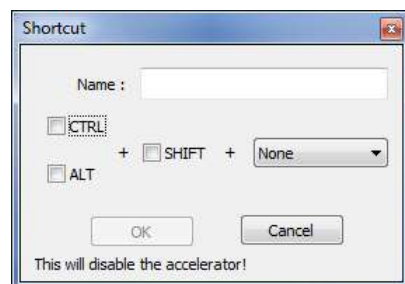
7. Define the RUN command to open the file with syntax errors for the current source

Toolbar → Run → Run ...



Enter: `$(NPP_DIRECTORY)\notepad++.exe $(CURRENT_DIRECTORY)\$(NAME_PART).err`

Click on button [Save] to assign the run command to a keyboard shortcut and to give it a name.



For example:

Name = Show Syntax errors

Shortcut = <shift> F11

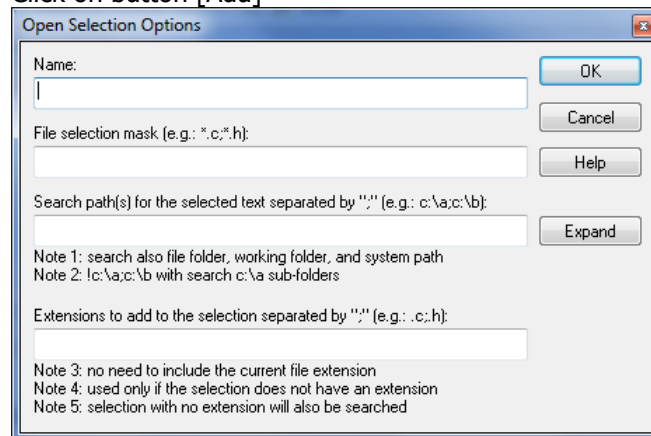
To open the file with syntax errors: press the Keyboard Shortcut, or select the command from the list under Toolbar → Run

8. Insert the plugin to open the source with the name that is selected

Toolbar → Plugins → Plugin Manager → Show Plugin Manager screen
Select plugin 'Open Selection' → [Install]

Configure plugin Open Selection as follows:

- Toolbar → Plugins → Open Selection → Options
- Click on button [Add]



- Name = <name of application>
- File selection = *.*
- Path = !C:\\SURE\\<local source directory>

With this plugin you can click in the source on the name of a copybook to open that copybook in Notepad++

9. Try the function in Notepad++ to shift a group of lines to left or right:

Select a column in the source with [Alt] + Drag mouse with left button pressed

To shift lines to right: press [Tab]

To shift lines to left: press [Delete]

Task-0862-SURE Add a quick-fix to a MCP-source via a patch file

It can happen that a source is changed because of a task, but that task is not yet ready to be transferred to PRODUCTION, and at the same time the source has to be changed for PRODUCTION because of an urgent reason. The normal way to address this situation is via a quick-fix, where the source is modified in an environment other than the default development environment.

This new 'quick-fix via patchfile' feature makes it possible to define a temporary patch file for the source, to implement the urgent fix via the patch file, and to transfer the patch file to PRODUCTION while the main source (with the other changes) remains unchanged.

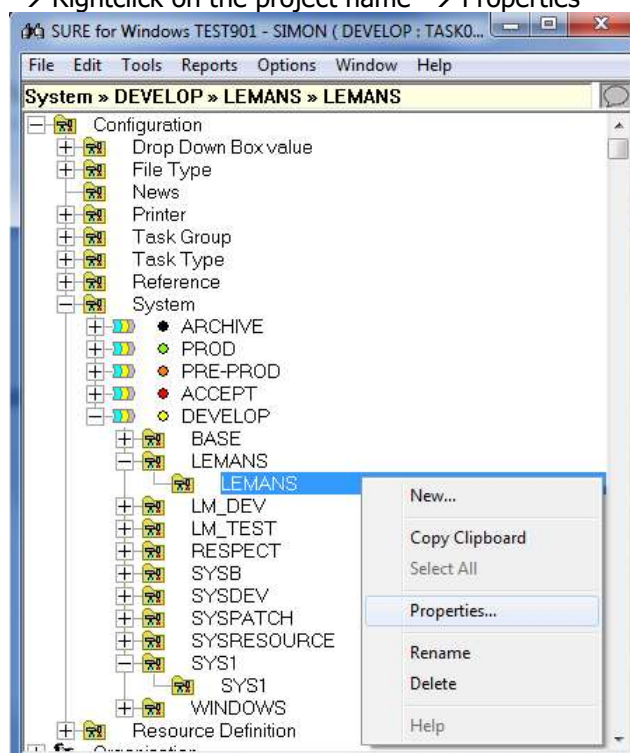
The new patch file method allows using patch files on a source that is not equal in all environments. This makes it possible to combine regular editing (without using patch files) with editing via patch files.

Configuration

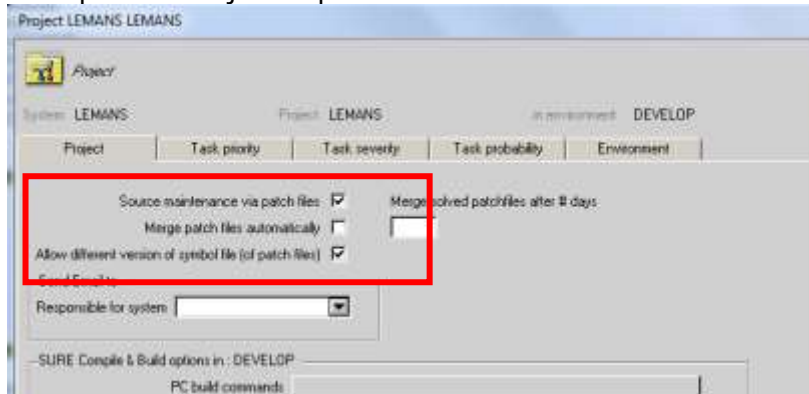
The new feature must be enabled via a project option. All sources with that project can then be fixed via the new fix-via-patchfile function.

Open the Project Properties screen as follows:

- Configuration → System → Expand any environment → Expand the system
→ Rightclick on the project name → Properties



- This opens the Project Properties screen:



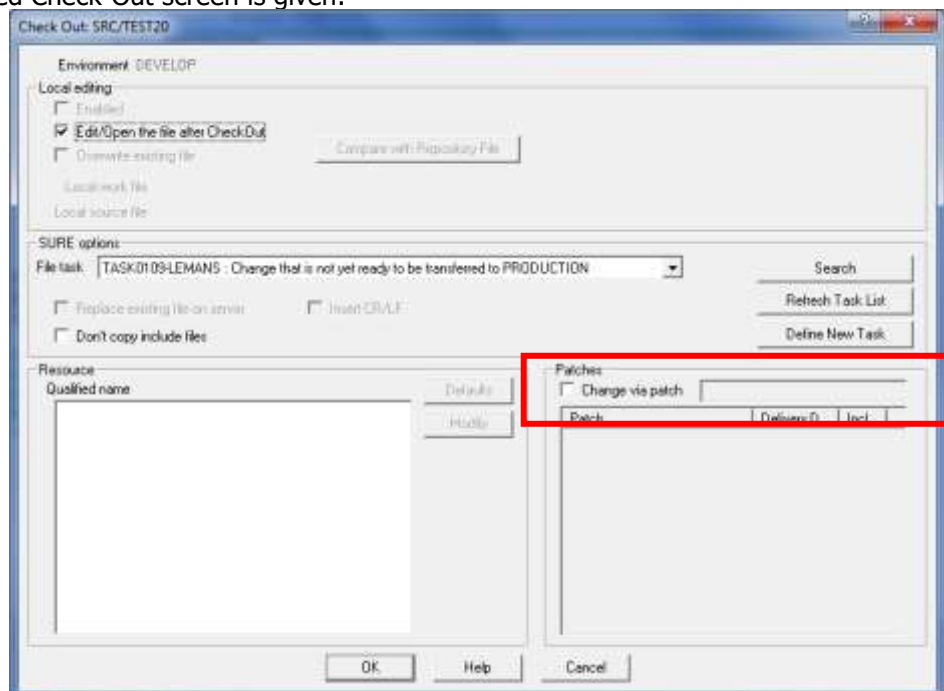
- Enable option 'Source maintenance via patch files'
 - o This makes it possible to use patch files for all sources of the project
- Enable option 'Allow different version of symbol file'
 - o If this option is disabled then the main source must be equal in all environments.
 - o If this option is enabled, then the main source may be different for each environment.

How does it work?

The function is explained via the following example:

- Source SRC/TEST20, belongs to project LEMANS
- Task TASK0109, this task is not yet ready to go to PRODUCTION
- Task TASK0110, this is an urgent task

If a source belongs to a project with option 'Source maintenance via patch files' enabled, then the Extended Check-Out screen is given:



- The Extended Check Out screen contains option 'Change via patch'
- If the source is not yet linked to any patch file then option 'Change via Patch' is disabled.
 - o If you leave it disabled then the source is edited without using a patch file.
 - o If you enable the option then a patch file is created. The name of the patch file is PATCH/<source-name>/<task-name>.

- So, in most cases you can leave the option disabled, to modify the source in the default way without using patch files. You only have to enable the option if you want to make an urgent fix and you want to avoid an overlap of that fix with other changes.

Situation 1:

Source SRC/TEST20 is modified and checked-in because of task TASK0109. Task TASK0109 is transferred to environment ACCEPT where it is tested. The task is not yet ready to be transferred to PROD.

The current status of source SRC/TEST20:

Environment	Status on this environment	Version	Active task	Changed	Changed by
DEVELOP	Same as next	2.1	TASK0109-LEMANS	27-Sep-2017 10:00:47	SIMON
ACCEPT	Differs from next	2.1	TASK0109-LEMANS	27-Sep-2017 10:01:03	SIMON
PRE-PROD	Same as next	1.2		27-Sep-2017 09:00:09	SIMON
PROD	Exists	1.2		27-Sep-2017 09:00:09	SIMON
ARCHIVE					

The source is changed because of TASK0109 and transferred to ACCEPT

Situation 2:

An incident is reported and source SRC/TEST20 has to be fixed urgently. Task TASK0110 is added in SURE to solve the incident. The urgent fix must also be tested in the ACCEPT environment before it can go to PRODUCTION but the other changes in the source (because of task TASK0109) can not go to PRODUCTION.

The solution is that the fix is applied via a patch file:

- Set task TASK0110 to my current work task
- Do a check out of SRC/TEST20 in DEVELOPMENT because of TASK0110:

Check Out: SRC/TEST20

Environment: DEVELOP

Local editing:

- ☐ Enabled
- ☒ Edit/Open the file after Check-Out
- ☐ Overwrite existing file

Compare with Repository File

Local work file

Local source file

SUSE options:

File task: TASK0110-LEMANS - Urgent fix because of an incident

Replace existing file on server

Don't copy include files

Resource:

Qualified name

Default

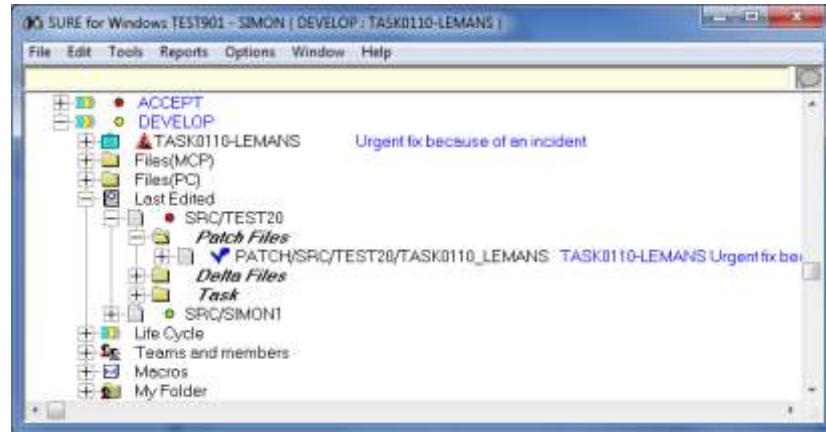
Modify

Patches:

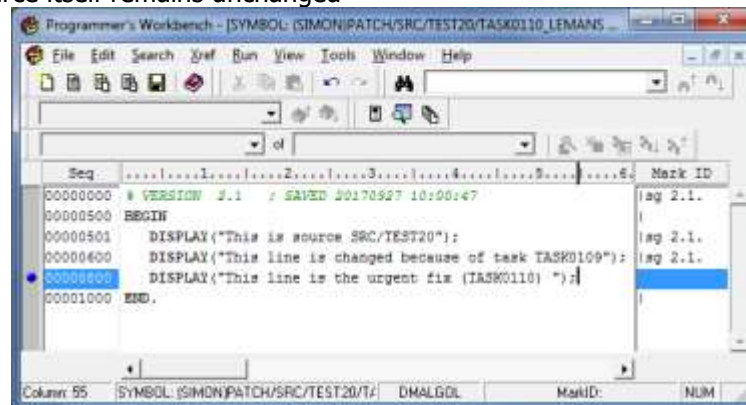
- ☒ Change via patch
- TASK0110-LEMANS
- Patch
- Delivery D...
- Incl...

OK Help Cancel

- Select the quick-fix task TASK0110 from the drop down list if it is not automatically pre-filled on the screen.
- Enable option 'Change via patch' (it was disabled) to enforce a patch file
- The name of the patch file is PATCH/<source-name>/<task-name>
 - So, in this example: PATCH/SRC/TEST20/TASK0110
- The name of the patch file is automatically added in SURE and the patch file is linked to the source:



- Sub-folder 'Patch files' gives the patch files that are linked to the source
- Notice that the source itself does not have a 'Checked-out' icon
- The patch file has the 'Checked-out' icon, and this makes it possible to work with multiple patch files simultaneously
- The source is checked-out under the name of the patch file and loaded in the editor just like when you don't use patch files, but the changed lines are written in the patch file and the source itself remains unchanged



- Line 800 (high lighted) is the changed line
- Save the source in the editor, and do a check-in on the patch file:
 - Right click on the patch file → Check in

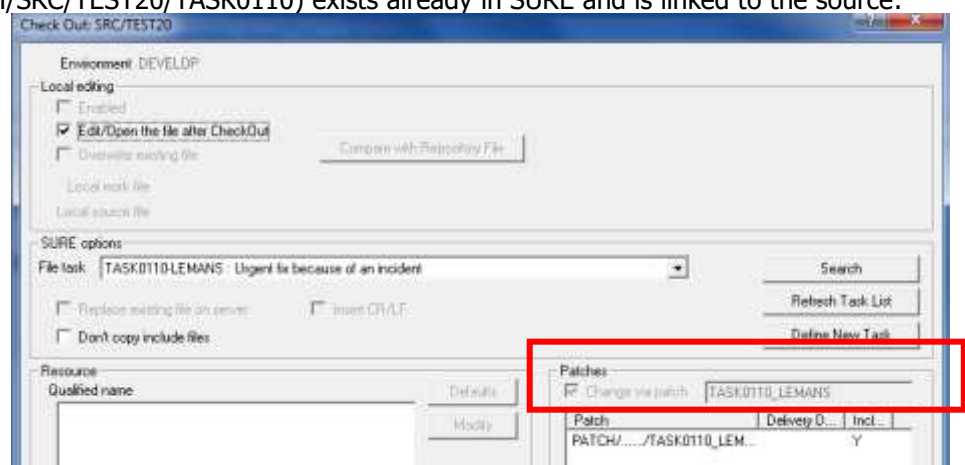


- The content of the patch file in SURE:

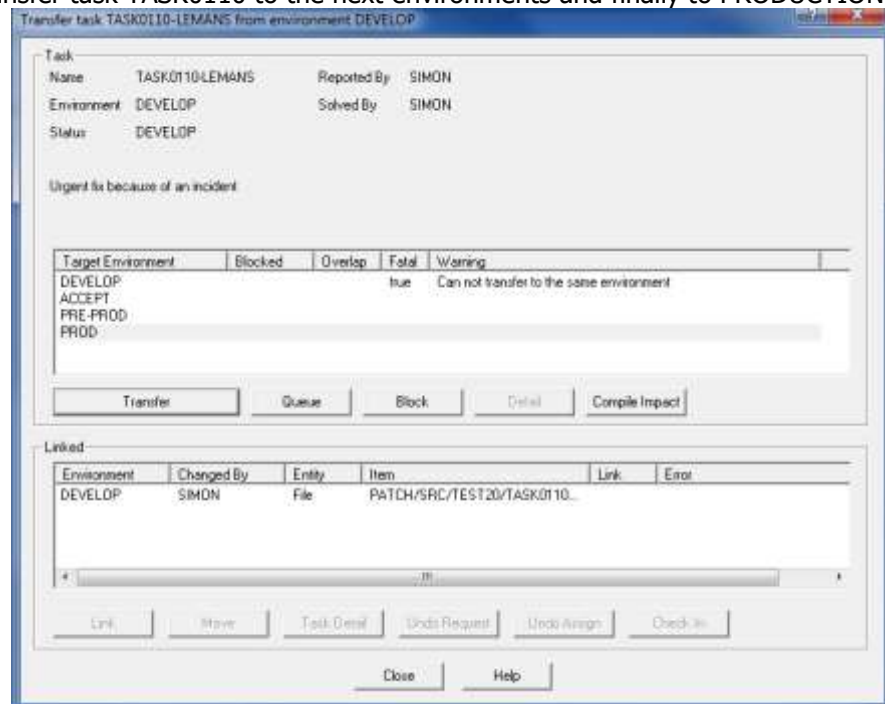


- The patch file contains only the changed line

- If you do another checkout of the source because of the same task then option 'Change via patch' is automatically enabled, because the patch file (PATCH/SRC/TEST20/TASK0110) exists already in SURE and is linked to the source:



- Transfer task TASK0110 to the next environments and finally to PRODUCTION:



- The patch file with the urgent change is linked to the task

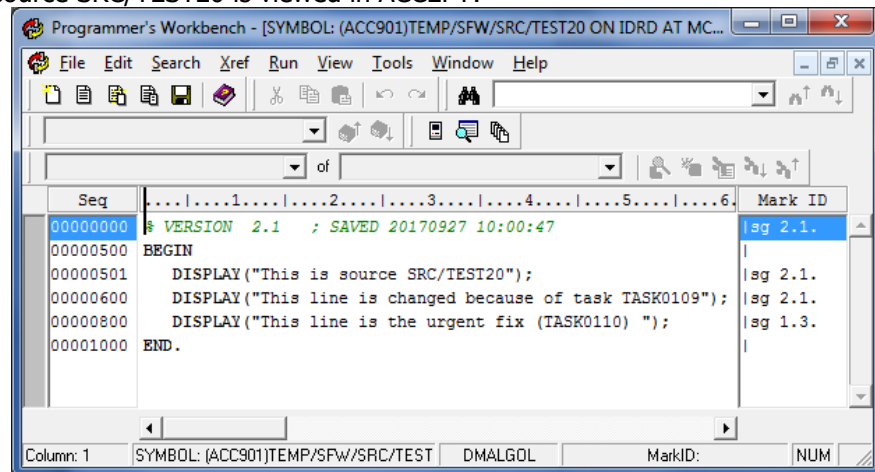
- The main source SRC/TEST20 is not linked to the task, so other changes are not promoted.

Situation 3:

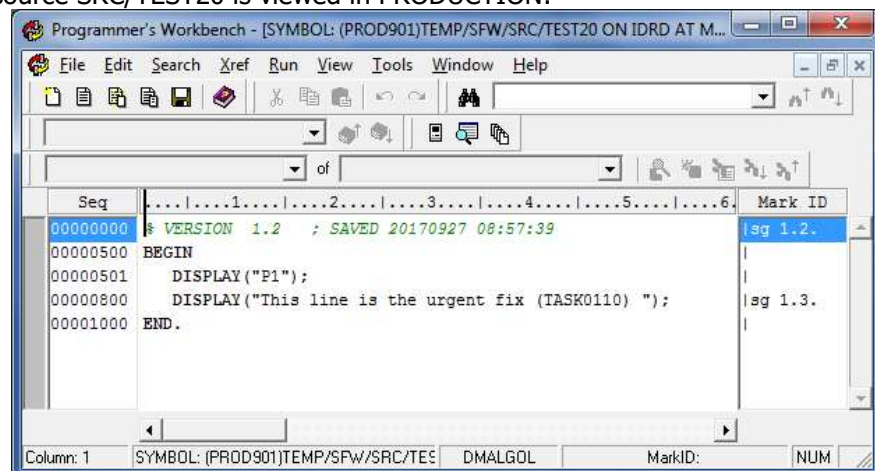
Task TASK0110 with the urgent fix is promoted to PRODUCTION

Task TASK0109 with the regular change is still in ACCEPT

- When source SRC/TEST20 is viewed in ACCEPT:



- When source SRC/TEST20 is viewed in PRODUCTION:



Line 600 (the regular change) is not yet in production

A compile via RESPECT/SURE/COMPILE merges the linked patch file temporarily into the source and compiles the result.

Situation 4:

When the patch is in PRODUCTION then there is no reason to keep the patch file as a separate entity in SURE, because that may only make things more complicated. So the patch file can be merged finally into the main source. This function copies the changes from the patch file to the main source and removes the patch file.

Notice that the version of the main source may differ on each environment, so the patch file is merged into the main source on each environment and then removed.

Merge the patch file as follows:

- Right click on the patch file → Miscellaneous → Merge Patch files
- The status of source SRC/TEST20 before the merge:

Environment	Status on this environment	Version	Active task	Changed	Changes by
DEVELOP	Same as next	2.1	TASK0109-LEMANS	27-Sep-2017 10:00:47	SIMON
ACCEPT	Differs from next	2.1		27-Sep-2017 10:01:03	SIMON
PRE-PROD	Same as next	1.2		27-Sep-2017 09:00:09	SIMON
PROD	Exists	1.2		27-Sep-2017 09:00:09	SIMON
ARCHIVE					

This is still the same status as in situation 1.

- The status of source SRC/TEST20 after the merge:

Environment	Status on this environment	Version	Active task	Changed	Changes by
DEVELOP	Same as next	2.2	TASK0109-LEMANS	27-Sep-2017 11:18:00	SIMON
ACCEPT	Differs from next	2.2		27-Sep-2017 11:18:00	SIMON
PRE-PROD	Same as next	1.3		27-Sep-2017 11:18:00	SIMON
PROD	Exists	1.3		27-Sep-2017 11:18:00	SIMON
ARCHIVE					

The file versions have changed because of the merge

- The content of source SRC/TEST20 in PRODUCTION after the merge:

Record number	Content	Status
00000000000	% VERSION 1.3 ; SAVED 20170927 11:17:59	sg 1.3.
00000000500	BEGIN	
00000000501	DISPLAY("P1");	
00000000800	DISPLAY("This line is the urgent fix (TASK0110) ");	sg 1.3.
00000001000	END.	

Function Merge Patch File does the following:

- For each environment in SURE:
 - o The content of the patch file in that environment is merged into the main source of that environment
 - o Active tasks that are linked to the patch file are copied to the active task list of the main source
- The task history of the patch file is copied to the task history of the source
- The patch file is removed from SURE

Notice that you can use function Merge Patch File at any point in time, also when the patch file is not yet completely promoted to PRODUCTION. This is because the merge of the patch file with

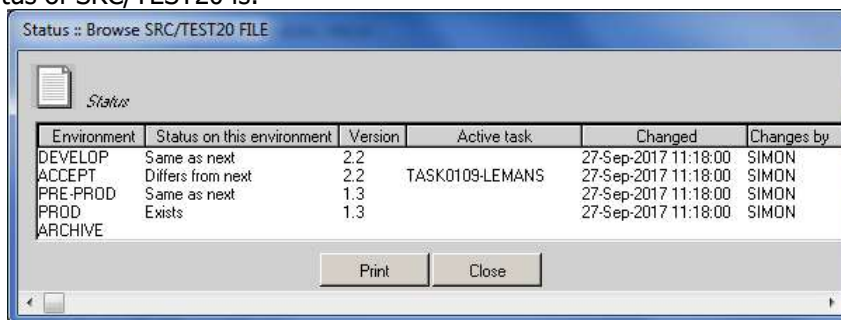
the main source is done per environment and active tasks are copied from the patch file to the source, so the result is always correct.

Situation 5 (the final situation):

The urgent fix for task TASK0110 is applied to the source in all environments

The regular change for task TASK0109 is still in environment ACCEPT

The status of SRC/TEST20 is:



Environment	Status on this environment	Version	Active task	Changed	Changes by
DEVELOP	Same as next	2.2		27-Sep-2017 11:18:00	SIMON
ACCEPT	Differs from next	2.2	TASK0109-LEMANS	27-Sep-2017 11:18:00	SIMON
PRE-PROD	Same as next	1.3		27-Sep-2017 11:18:00	SIMON
PROD	Exists	1.3		27-Sep-2017 11:18:00	SIMON
ARCHIVE					

Task-0919-SURE Improvements at patchfiles that are used for a quick-fix

It can happen that a source is changed because of a task, but that task is not yet ready to be transferred to PRODUCTION, and at the same time the source must be changed for PRODUCTION because of an urgent reason. The normal way to address this situation is via a quick-fix, where the source is modified in an environment other than the default development environment.

The 'quick-fix via patchfile' feature makes it possible to define a temporary patchfile for the source, to implement the urgent fix via the patchfile, and to transfer the patchfile to PRODUCTION while the main baseline source (with the other changes) remains unchanged.

See task form TASK-0862-SURE for an example how a fix-via-patchfile is done.

This paragraph describes the following improvements:

- Stable patchfiles are automatically and permanently merged into the baseline source when the patchfile is transferred to the final environment
- It is possible to change the order how the patchfiles are merged into the baseline source
- It is possible to exclude a patchfile for compilation via RESPECT/SURE/COMPILE

Stable patchfiles are automatically and permanently merged into the baseline source

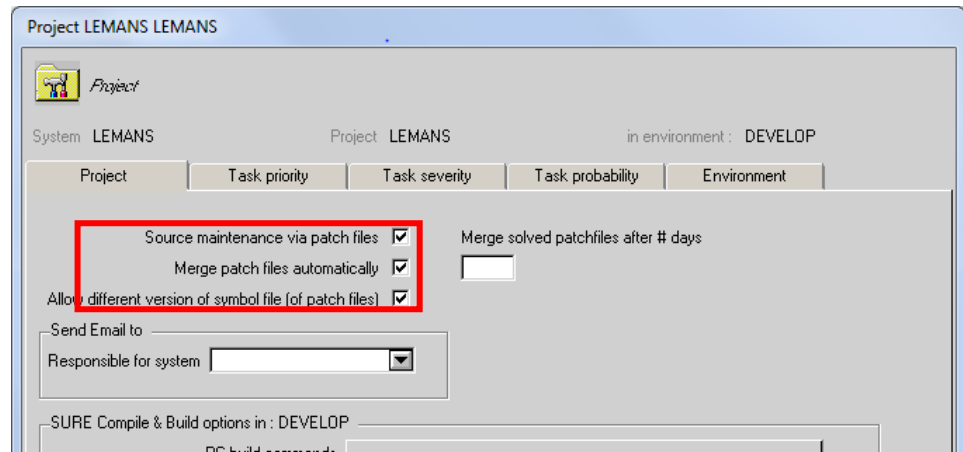
There is no reason why the fix must be kept in the separate patchfile after the patchfile is transferred to the final environment (PRODUCTION), because if the source was not in maintenance because of another reason then there would not be a patchfile at all: in that case the fix would have been applied to the source itself.

Merging a patchfile permanently into the baseline source works as follows:

- The merge is done in each SURE environment where the patchfile and the baseline source both exist, and where the patchfile is linked to the baseline source
- The situation after the merge:
 - o The content of the patchfile is merged into the baseline source in SURE
 - o The patchfile is delinked from the baseline source
 - o The patchfile remains in SURE as a separate file, but it won't be used anymore.
The user is free to purge the patchfile from SURE
 - Old unused patchfiles are automatically removed from SURE after one month.
- It is not possible to merge a patchfile permanently into the baseline if the baseline source is checked out in any environment of SURE

There are two ways to merge the patchfile permanently into the baseline source:

- Manually at any moment
 - o Rightclick on the name of the patchfile → Miscellaneous → Merge patchfile
 - o In this case the user determines the order how the patchfiles are merged into the baseline source.
- Automatically when the patchfile is transferred to the final environment
 - o This happens if project-option 'Merge patchfiles automatically' is enabled:



- The order of how patchfiles-tasks are transferred to the final (production) environment determines the order how the patchfiles are merged into the baseline source
- The benefit of the 'auto-merge' option is that a patchfile exists as short as possible
- Notice again that the automatic merge is not done if the baseline source is checked out in any environment of SURE at the time that the patchfile-task was transferred. This situation creates a 'pending patchfile merge':
 - A 'pending patchfile merge' can only be cleaned-up by merging the patchfile manually
 - It is not possible to transfer the baseline source or other patchfiles on the baseline source to a next SURE environment as long as there is a 'pending patchfile merge' in SURE for that baseline source. Function 'Transfer task' gives an error message to prevent this, and you first have to clean up the 'pending patchfile merge' before you can transfer the task.

The permanent merge of the patchfile in the baseline source is written in the log of that source:

Log SRC/TEST20 FILE

Date/Time	Environment	Who	Task	What	Function	Description
20-Dec-2017 12:54:26	DEVELOP	SIMON		Transfer	Recover	Version 8.2 to DEVELOP
20-Dec-2017 12:54:25	ACCEPT	SIMON		Transfer	Recover	Version 8.2 to ACCEPT
20-Dec-2017 12:54:25	PRE-PROD	SIMON		Transfer	Recover	Version 8.2 to PRE-PROD
20-Dec-2017 12:54:25	PROD	SIMON	TASK0143-LEMANS	Transfer	MergePatch	PATCH/SRC/TEST20/TASK0143_LEMANS

Print Close

Change the order how the patch files are temporarily merged into the baseline source

It is possible that multiple patchfiles are linked to one baseline source. In that case the order how the patchfiles are merged into the baseline source (to create a temporary source for compilation) is important, because lines of an early-merged patchfile can be overwritten by lines of a later-merged patchfile.

The default merge order is as follows:

Step 1:

- Merge the stable patchfiles that are transferred to the final environment (production), in the same order as how these patchfiles were transferred to the final environment.

Step 2:

- Merge the patchfiles with a task with a delivery date, in the order of the delivery date. Patchfiles with the same delivery date are merged on alphabetical order.

Step 3:

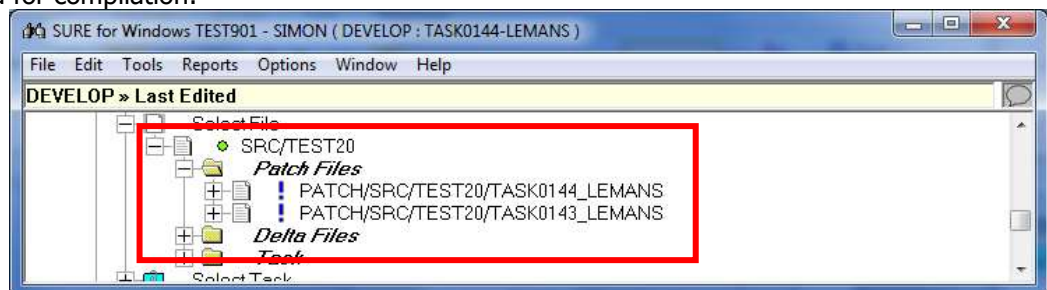
- Merge the remaining patchfiles (not solved and no delivery date) on alphabetical order.

The merge order of stable patchfiles (step 1) can only be changed by reactivating the task of that patchfile, followed by a new transfer of that task to the final environment. Notice that stable patchfiles only exist if option 'Merge patchfiles automatically' is disabled or if the baseline source was checked out when the patchfile was transferred to the final environment.

The merge order of the non-stable patch files (step 2 and step 3) can be changed via the delivery date of the task on the task-properties screen:

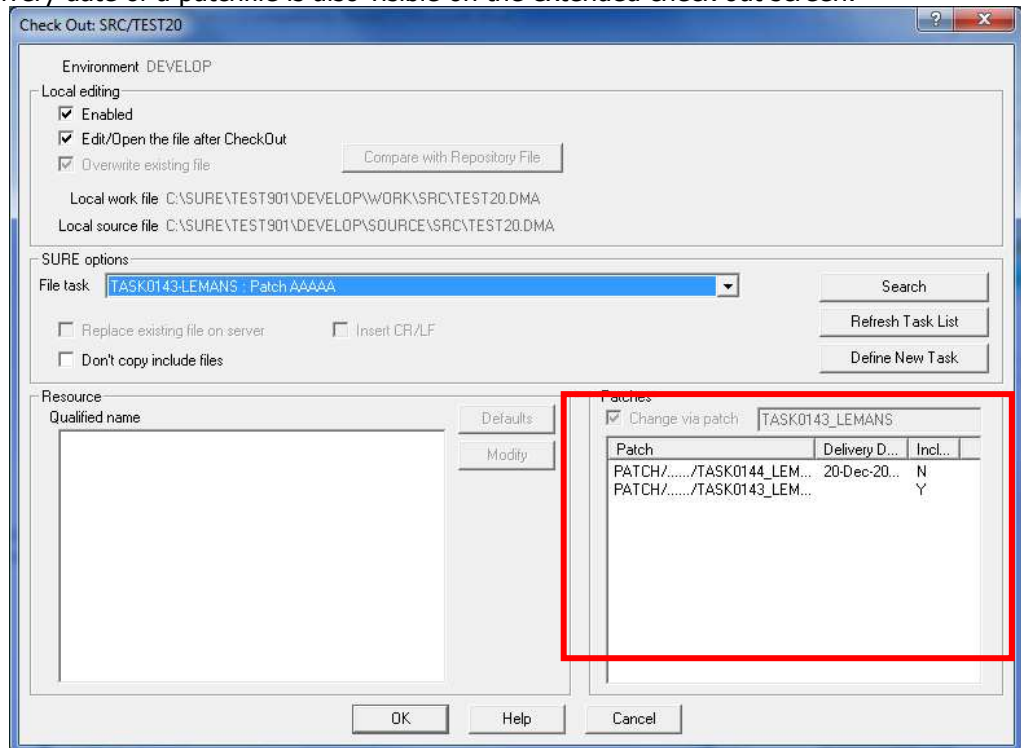
The screenshot shows the 'TASK0114-SYSPATCH' task properties window. The 'Delivery' date is set to '20-12-2017' and is highlighted with a red rectangle. Other fields include 'Identification' (TASK0114-SYSPATCH), 'Environment' (DEVELOP), 'Project' (SYSPATCH), 'Type' (FEATURE), 'Severity', 'Probability', 'Priority' (MEDIUM), 'Resources', 'SURE status' (DEVELOP), 'Master of this task', 'Reported by' (SIMON), 'Entered' (09-10-2017), 'Effort estimated' (3), and 'Temporary employee role'.

Subfolder 'Patch files' shows the patchfiles of a source in the same order as how they will be merged for compilation:



- This example shows the patch files of source SRC/TEST20
- The patch for TASK0144 has a delivery date, so that patch is merged before the patch of TASK0143

The delivery date of a patchfile is also visible on the extended check out screen:



- The delivery date of TASK0144 is shown
- The patch files are also presented on the screen in the merge order
- Column 'Include' identifies the patchfiles that are going to be merged temporarily in the checked-out work file:
 - o Stable patch files (that are transferred to the final environment) are by default included in the checked-out work file.
 - o Non stable patchfiles are by default excluded, except the patchfile for the current change.
 - o You can change the default include/exclude method of a patchfile via a double click on that line.

Exclude a patchfile to be used for compilation via RESPECT/SURE/COMPILE

If the baseline source is compiled via RESPECT/SURE/COMPILE then all linked patchfiles are temporarily merged into that source to be used for compilation.

The order how the patchfiles are temporarily merged into the baseline source is already explained:

Step 1:

- o Merge the stable patchfiles that are transferred to the final environment (production), in the same order as how these patchfiles were transferred to the final environment.

Step 2:

- o Merge the patchfiles with a task with a delivery date, in the order of the delivery date. Patchfiles with the same delivery date are merged on alphabetical order.

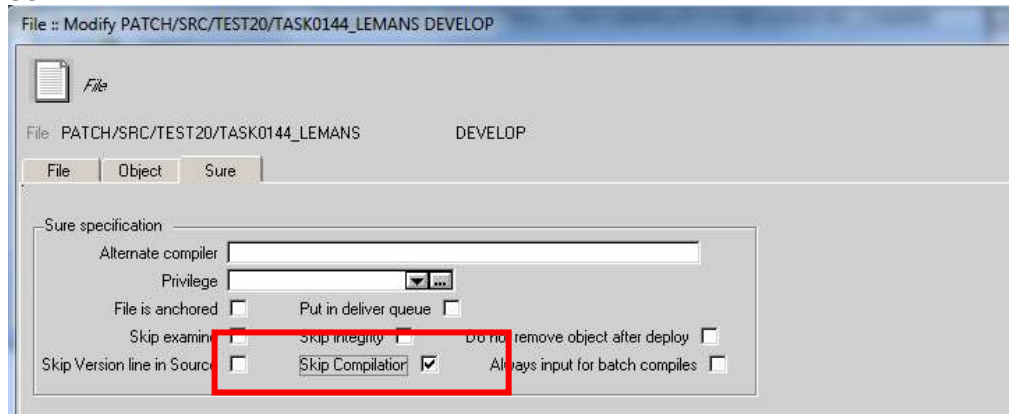
Step 3:

- o Merge the remaining patchfiles (not solved and no delivery date) on alphabetical order.

RESPECT/SURE/COMPILE uses by default **all** linked patchfiles for the compilation.

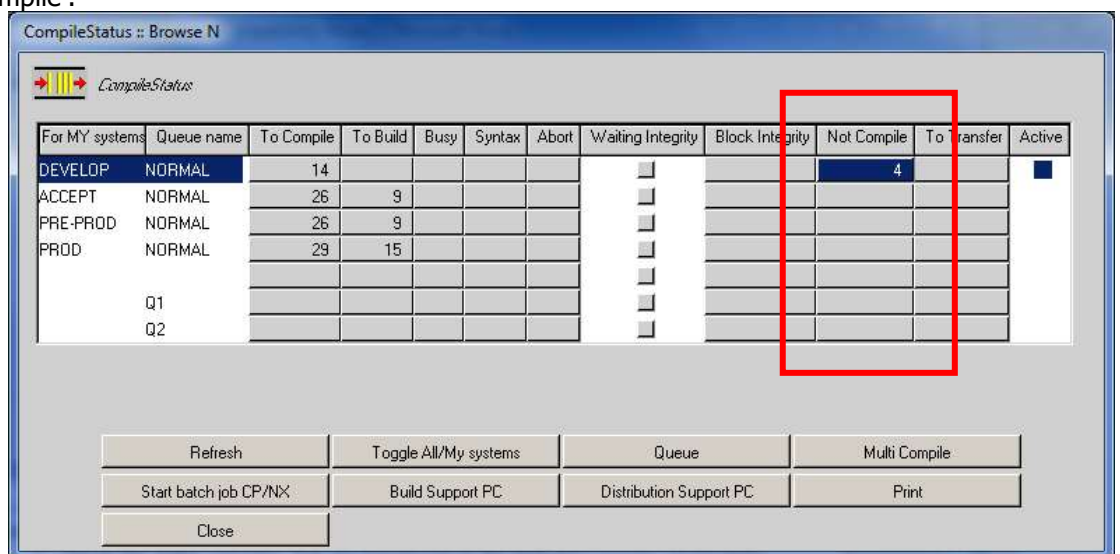
It is possible to disable a specific patchfile for compilation via file-property 'Skip compilation':

- Properties screen of the patchfile → Button [Maintenance] → Modify properties → tab SURE



- 'Skip compilation' is only applicable for the environment that mentioned on top of the screen. So if the patchfile must be excluded in another SURE environment that you have to open the properties screen there.
- The patchfile remains excluded until you empty the file-property

Patchfiles that are excluded for compilation are visible on the compile interface screen, in column 'Not Compile':



- In this example screen there are 4 files excluded for compilations in environment DEVELOP
- Click on a button in the column 'Not compile' to see the files that are excluded on that environment

The status screen of a (patch)file shows if that source is excluded for compilations:

- Right click on the (patch)file → Status:

Status :: Browse PATCH/SRC/TEST20/TASK0144_LEMANS FILE

Status

Environment	Status on this environment	Version	Active task	Changed	Changes by	Compile status	Queue name
DEVELOP	Exists	1.2	TASK0144-LEMANS	20-Dec-2017 10:38:28	SIMON	<Blocked>	NORMAL
DEVELOP	Exists	1.2			SIMON	<Blocked>	COMPILE-FAST
ACCEPT							NORMAL
PRE-PROD							NORMAL
PROD							NORMAL
ARCHIVE							NORMAL

Print Close

-
- Compile status <blocked> means: excluded for compilations via RESPECT/SURE/COMPILE

Task-1008-demo Configuration to build a word-document as PDF file

The SURE build server starts build scripts to create deliverable files from source files loaded in SURE. This document describes the procedure how a DOCX file (or DOC file) loaded in SURE is built as a PDF file by the SURE build server.

Configuration

The DOC-to-PDF conversion is done by a PowerShell script.

1. The following example PowerShell script is delivered with the SUREforWindows GUI:
 <SfW installation directory>\RIS\HELP\doc2pdf.ps1
 - You can use the example PowerShell script as a template to create your own PowerShell script.
2. Executing the PowerShell script has the following **requirements**:
 - Microsoft Office must be installed on the Windows server where the SURE build runs
 - PowerShell must be activated via the following command (in administrator mode):
 Command prompt> PowerShell Set-ExecutionPolicy RemoteSigned
3. Save the PowerShell script in SURE as a PC-file and assign it to the SURE build server:
 - Example:
 - o Save doc2pdf.ps1 in SURE as Buildtool\doc2pdf.ps1
4. Define the build command for the word documents that you want to convert to PDF:
 - The build command can be linked to the PC-file-type of the Word document, or the build command can be linked directly to the Word document
 - The build command is as follows:

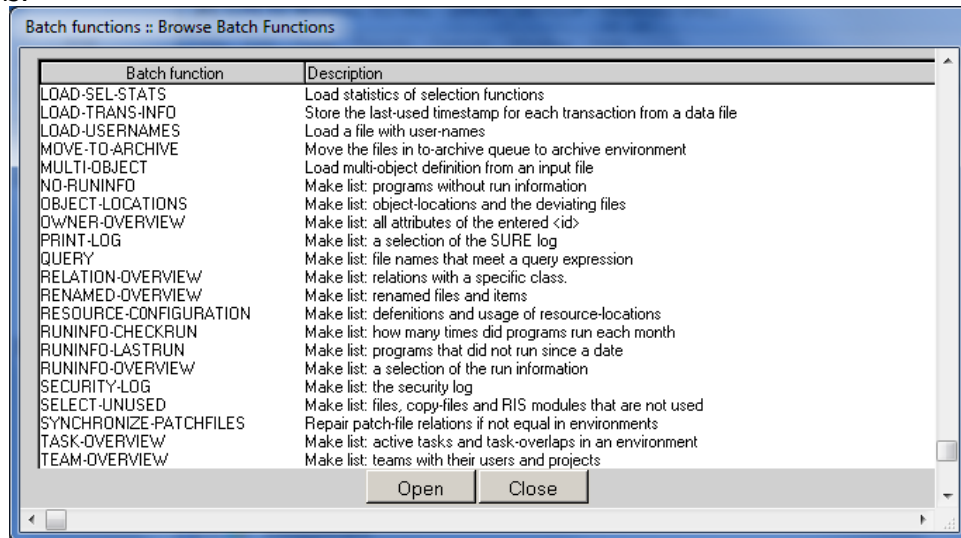
```
powershell -file <WORKDIR>\Buildtool\doc2pdf.ps1
"<WORKDIR>\<FULLNAME>"
del build.err
```

<WORKDIR> will be replaced by SURE with the <SURE build directory>
 <FULLNAME> will be replaced by SURE with the full name of the Word document

- When the build command is linked to a PC-file-type:
 - o Create new PC-File-type DOC2PDF, with the following properties:
 - Skip examine after check-in = TRUE
 - Delta files disabled = TRUE
 - Is binary file = TRUE
 - Object location inheritance = 'Inherit object location 1, 2 or 3'
 - Click on button [PC build commands] and enter the build command (see above)
 - o Give the appropriate Word-documents file-type = DOC2PDF
 - When the build command is directly linked to the Word document:
 - o SfW → Rightclick on the Word document → Properties → Tab: Object
 - Click on button [PC build commands] and enter the build command (see above)
 - Check that the Word document is linked to the SURE build server
5. Put the Word document in the SURE build queue and start the SURE build server

Task-1080-SURE New: overview of available batch functions

A list with available batch function is now visible via Tools => Server Environment => Batch functions:



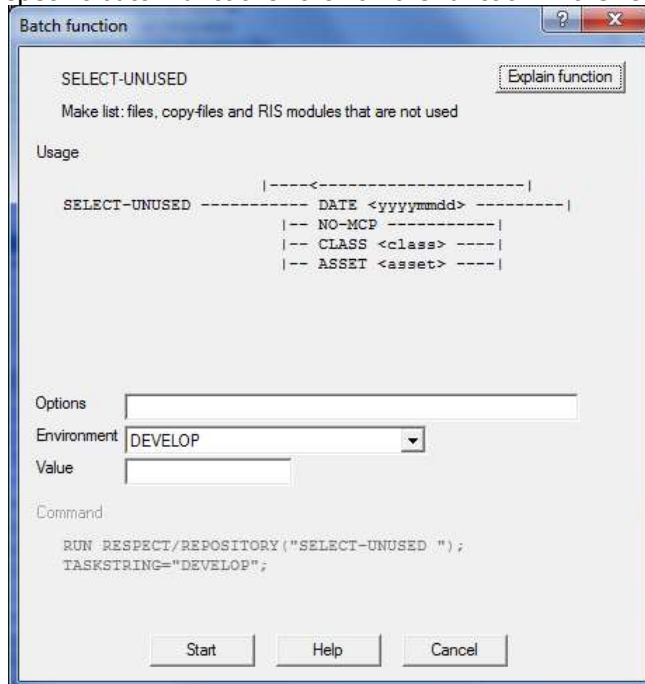
Each batch function is marked with a role, a platform, and a system. These attributes are used to customize the list with batch functions to the users' profile:

- Batch functions that are marked with role SECURITY are only visible for secadmin users and users with authorization 'Security'.
- Batch functions that are marked with role SUPPORT are only visible for users with authorization 'SURE maintenance'.
- Batch functions that are marked with role DELIVERY are only visible for users with authorization 'SURE maintenance' or 'Delivery'.
- Batch functions that are marked with role ARCHIVE are only visible for users with authorization 'SURE maintenance' or 'Archive'.
- Batch functions that are marked with role RELATE are only visible for users with authorization 'SURE maintenance' or 'Relate'.
- Batch functions that are not marked with a role are visible for all users. These are print functions.
- Batch functions that are marked with platform WINDOWS are hidden on the MCP backend.
- Batch functions that are marked with platform MCP are hidden on the WINDOWS backend.
- Batch functions that are marked with system RIS2 are hidden for sites that don't use RIS2.
- Batch functions that are marked with system RIS are hidden for sites that don't use RIS.

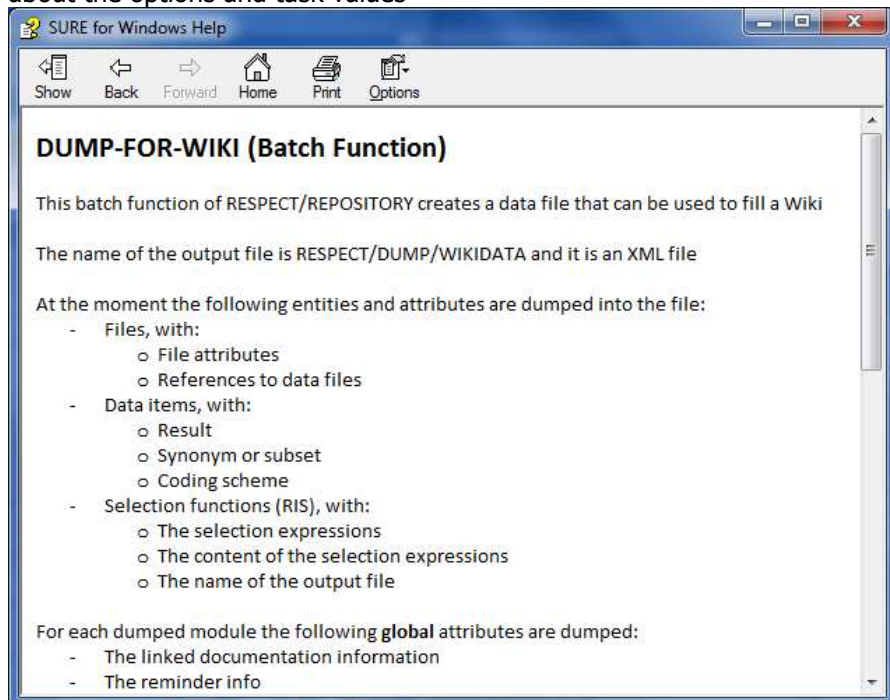
Open the list with batch functions via Tools => Server Environment => Batch functions

For details about a specific batch function:

- Open a specific batch functions: click on the function in the list=> press button [Open]



- o All possible parameters options and task values are shown in a railroad diagram on the response screen
- o Click on button [Explain function] to open the help information for extra details about the options and task values



Running a batch function:

- Enter the correct parameter options, environment and task value. The program parameter of the RUN command at the bottom of the screen changes with the options that you enter.
- Click on button [Start] to start the batch function.

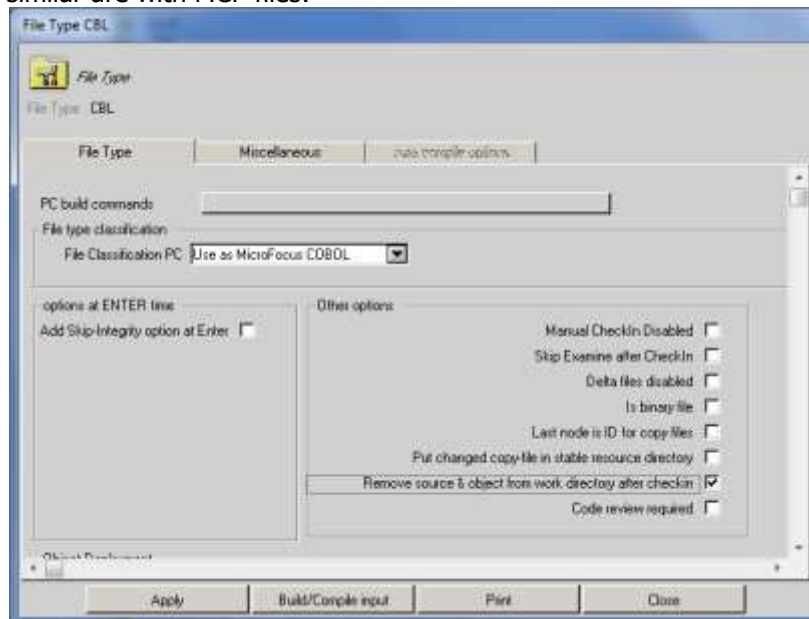
Task-1111-SURE Local Work Environment of PC-files in MCP style

SUREforWindows supports a Local Work Directory and a Local Source Directory. Both are directories on the workstation of the developer or on a server.

The default usage of these directories is as follows:

- MCP files:
 - o The Local Source Directory for MCP-files contains copies of the sources that are known in SURE. A View or GetLatestVersion or Check-in synchronizes the source in this directory. This directory contains many stable sources.
 - o The Local Work Directory for MCP files contains **only** the files that are checked-out. These are the work files that are in use by the developer. If the developer has no files checked-out then this directory is empty.
- PC files:
 - o The Local Source Directory for PC-files is only used for the compare function. It may be empty.
 - o The Local Work Directory for PC-files contains all PC sources that belong to the application. Sources that are not checked-out are readonly; sources that are checked-out are not readonly.

There is a new option for PC-file-types to let the Local Work and Source Directories of PC-files behave similar as with MCP files:



- Option 'Remove source & object from work directory at Check-in'

If this option is enabled then the following happens for files with that file-type:

- View and GetLatestVersion: put the PC-file in the Local Source Directory
- Check-out: put the source in the Local Work Directory
- Check-in: copy the new source version to the Local Source Directory (and do a check-in), and remove the source and the compiled object from the Local Work Directory
- Undo Check-out: remove the source and the compiled object from the Local Work Directory

The result: the Local Work Directory contains only the sources that are checked-out, similar as the Local Work Directory for MCP files.

Removing the source and the compiled object from the Local Work Directory

Option 'Remove source & object from work directory at Check-in' triggers the start of a bat-file after the source is checked-in or at Undo Check-out.

The purpose of the bat-file is to remove the checked-in source and optionally to remove the compiled executable from the Local Work Directory of the developer.

The name of the bat-file must be defined in AW_OBJ.INI file, as follows:

```
[INFDB]
REMOBJ=<full name of bat-file>
```

The bat-file is started with the full source name as parameter.

If the bat-file is not defined or if the bat-file failed then an extra verification screen is shown after the check-in and after the undo-check-out with the question:

'Bat file not defined or failed. Do you want to remove the source anyway? '

In that case only the source is removed from the Local Work Directory.

Example bat files

The first example covers the case that the source and the executable are both located in the same directory, and the name of the executable is <source-name>.obj

```
@echo off
rem Set file name to actual case (may be useful if target is Unix)
for /F %%X in ("%1") do set FileName=%%~fX%

for /F %%X in ("%1") do set ObjName=%%~dpnX%.obj

del %FileName%
del %ObjName%
exit /b 0
```

The second example covers the case that the source file and the executable are located in different directories. The object-directory is in this example the source-directory with the last directory-node replaced by 'obj'.

```
@echo off
rem Example remove work file + object with object in different directory than work file

rem Set file name to actual case (may be useful if target is Unix)
for /F %%X in ("%1") do set FileName=%%~fX%

rem Move one dir up and append name of object dir
for /F %%X in ("%1") do set FullDir=%%~dpX%
for /F %%X in ("%FullDir:~0,-1%") do set ObjDir=%%~dpX%obj
rem Extract file name and append to object dir with .obj extension
for /F %%X in ("%1") do set LastNode=%%~nX%
set ObjName=%ObjDir%\%LastNode%.obj

del %FileName%
del %ObjName%
exit /b 0
```


Task-1162-SURE Customizable task forms

Tasks forms are created via one of the following Toolbar => Report functions:

- Selected tasks
 - o This creates a separate Word document for each selected task
- Task forms (selection via Macro)
 - o This creates one Word document with all tasks that are selected via the Macro
- Task forms (selected tasks in browser)
 - o This creates one Word document with all tasks that are selected in the browser
- Task detail form (of selected tasks in browser)
 - o This creates a separate Word document for each selected task

The global layout of the task forms is equal for each of these report functions:

- Each task form starts with the task name and the first line of the task description.
- Followed by the task attributes that describe the current task status.
- And if the task is not solved, then some extra task attributes that serve development.

The following is an example of the global layout of a task form:

11/29/18 7:54 PM

Group of tasks, manual selection

Task **TASK-1167-SURE**
Lock out clicks on SURE/RIS browser while a Select... is running

Status	SOLVED
Reported by	SMS
Type	IMPROVEMENT
Project	SURE
Reviewed	2018/11/28
Opened at	2018/11/28
Ready at	2018/11/29
Release	90

Description

Lock out clicks on SURE/RIS browser while a Select... is running

Task History

	Entity	Module
149.1	FILE	R:\A\Sure\Ar_sure\Source\Ar_1r1.cpp
150.1	FILE	R:\A\Sure\Ar_sure\Source\Ar_1r2.cpp
151.1	FILE	R:\A\Sure\Ar_sure\Source\Ar_1r3.cpp

Task log

Date	Who	What	Function	Description
2018/11/29 09:18:38	SCHON	Task	Modify	
2018/11/29 09:17:43	SCHON	Transfer	Transfer	to RIS_90 (SOLVED)
2018/11/29 09:17:40	SCHON	Transfer	Transfer	to NEXT-RIS-RELEASE
2018/11/28 14:15:00	FRANK	Task	Current	Start updating at DEVELOP-RIS
2018/11/28 14:10:29	FRANK	Task	Assign	to FRANK at DEVELOP-RIS
2018/11/28 14:10:28	FRANK	Task	Task-New	with status ENTERED

The following option screen appears if one of the report functions for task forms is selected. The options on this screen are used to customize the content on the task forms:

Print Task

Sureform

Output

Printer ☐

Open output in word processor ☒

Select information

Description ☒

Reminder ☐

Solution ☒

Documentation impact ☒

Dependent tasks ☒

Controlled tasks ☒

Linked files etc. ☐

History of files etc. ☐

Overlapping tasks ☒

Log ☐

OK Cancel

Option

If selected then...

Description

The full task description is printed

Reminder	If the task is not solved, then the task reminder is printed
Solution	The task solution info is printed
Documentation	The documentation impact is printed
Dependent tasks	The tasks from which the current task is dependent are listed
Controlled tasks	The tasks that are controlled by the current task are listed. If a controlled task is not solved then the linked modules are also listed.
Linked modules	If the task is not solved then the linked modules are listed
History of modules	The task history is listed
Overlapping tasks	If the task is not solved then the overlapping tasks are listed plus for each task the modules that cause the overlap
Log	The task log is printed

Task-1173-SURE Improved support for Multiple Objects

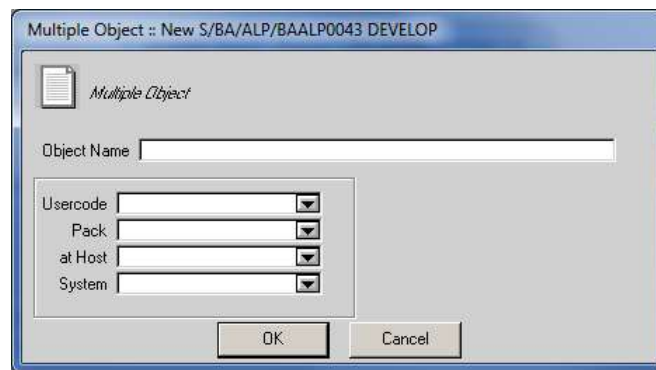
It is possible to define that multiple objects must be created from 1 source via the following two functions:

File-properties of the source → button [Configuration] → Multiple Objects → New
 File properties of the source → button [Configuration] → Multiple Objects → Like

Function New can be used if you want to define new Multiple Objects with a unique layout.
 Function Like can be used if you want to define Multiple Objects with a similar layout as that is done for another source.

Function New

This function can be used if you want to define a new Multiple Object definition



Fields System, Usercode and Pack are required

If field ObjectName is left empty then the extra object is created with the same name as the default object-name, but with a deviating usercode/pack/host

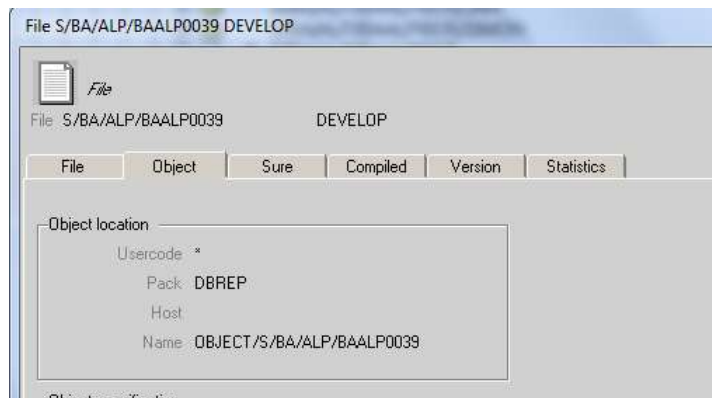
If field ObjectName is not empty then the extra object is created with the entered name, as follows:

- If the entered ObjectName starts with '\$' then the object name will not get prefix 'OBJECT/'
- If the entered ObjectName does not start with '\$' then the object name will get prefix 'OBJECT/'

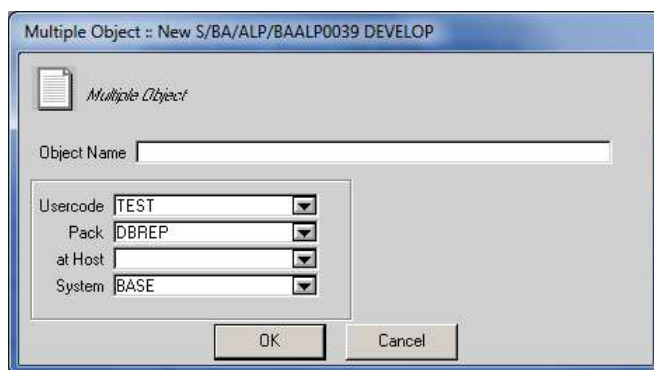
Example

Consider:

- Program S/BA/ALP/BAALP0039
- With default object = *OBJECT/S/BA/ALP/BAALP0039 ON DBREP
 - o Object usercode = *
 - o Object pack = DBREP
 - o Object name = OBJECT/S/BA/ALP/BAALP0039



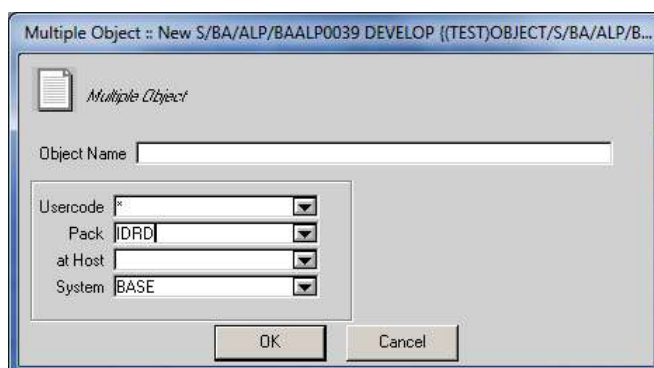
The following Multiple Objects are created:



Object-name is empty so, the default object name is used:
OBJECT/S/BA/ALP/BAALP0039

Object usercode = TEST
Object pack = DBREP

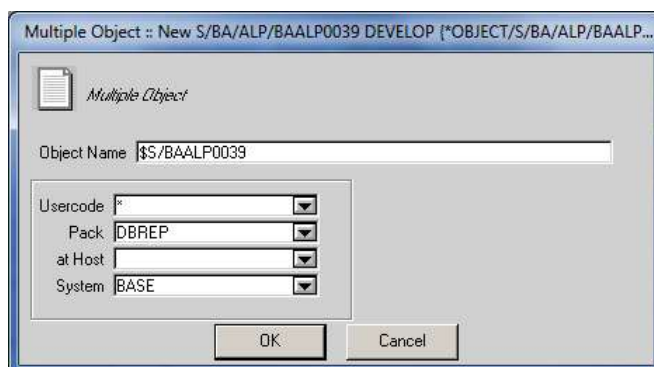
So, the object will be deployed as
(TEST)OBJECT/S/BA/ALP/BAALP0039 ON DBREP



Object-name is empty so, the default object name is used:
OBJECT/S/BA/ALP/BAALP0039

Object usercode = *
Object pack = IDRD

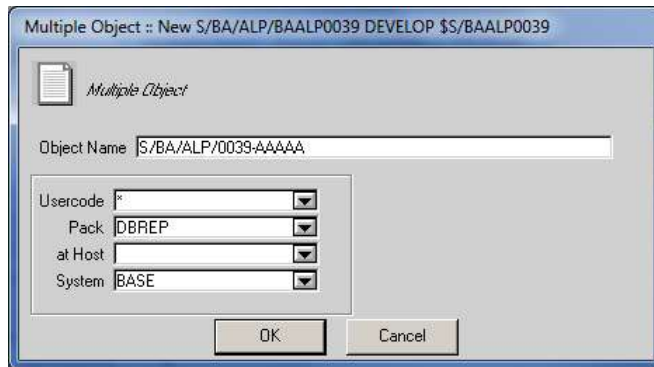
So, the object will be deployed as
*OBJECT/S/BA/ALP/BAALP0039 ON IDRD



Object-name = \$S/BAALP0039

Object usercode = *
Object pack = DBREP

So, the object will be deployed as
*S/BAALP0039 ON DBREP



Object-name = S/BA/ALP/0039-AAAAA

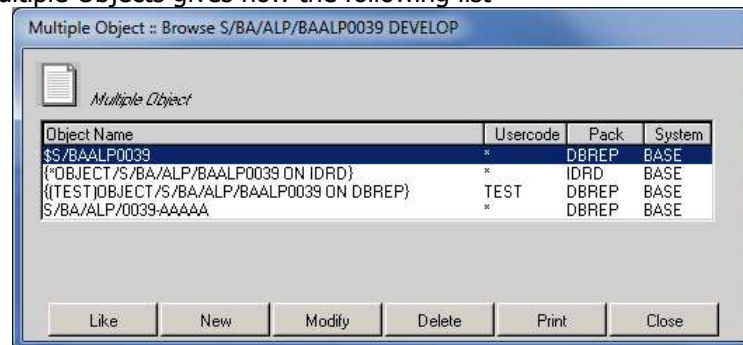
Object usercode = TEST

Object pack = DBREP

So, the object will be deployed as

*OBJECT/ S/BA/ALP/0039-AAAAA ON DBREP

Function Multiple Objects gives now the following list



Function Like

This function can be used if you want to define Multiple Objects in the similar way as that is done for another existing file.

File properties → Button [Configuration] → Multiple Objects → Like



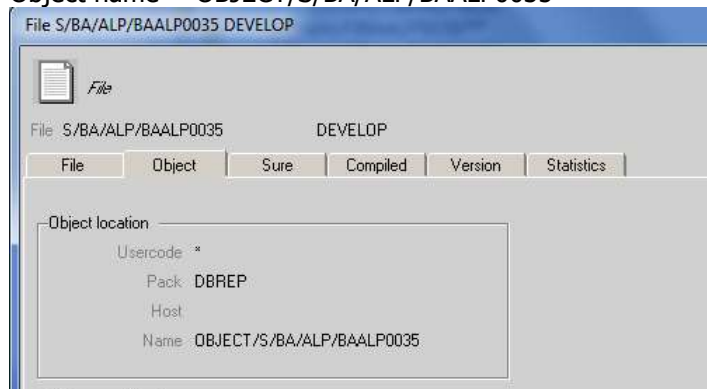
- You can enter a file-name to create Multiple Objects like that is done for that file
- It is not possible to combine the 'Like method' and the 'New method'
- The 'Like method' only copies the Multi-object definitions where the object name is the same as the default object name of the referenced source
- If a multi-object definition of the referenced source is changed then the multi-object definitions of all referencing sources are automatically updated as well.

Example

Consider

- Program S/BA/ALP/BAALP0035
- With default object = *OBJECT/S/BA/ALP/BAALP0035 ON DBREP
 - o Object usercode = *

- Object pack = DBREP
- Object name = OBJECT/S/BA/ALP/BAALP0035



- And Multiple Object definition



- (TEST)OBJECT/S/BA/ALP/BAALP0035 ON DBREP
- (TEST)OBJECT/S/BA/ALP/BAALP0035 ON IDRD

Use function "Multiple Object → Like" for program ALP/TEST1 to define Multiple Objects like that is done for S/BA/ALP/BAALP0035:



This creates the following Multiple objects:



- (TEST)OBJECT/ALP/TEST1 ON DBREP
- (TEST)OBJECT/ALP/TEST1 ON IDRD

So, the Multiple Object definition of program ALP/TEST1 is similar as the Multiple Object definition of program S/BA/ALP/BAALP0035

Task-1299-SURE Support to review code changes

SURE offers support in assessing changes to program source code.

There are 6 different ways (temporary and permanent) to identify files for code change assessment. A file to be assessed is blocked for transfer to the following environment until the assessment has been performed. The number of different reviewers must be defined via an option.

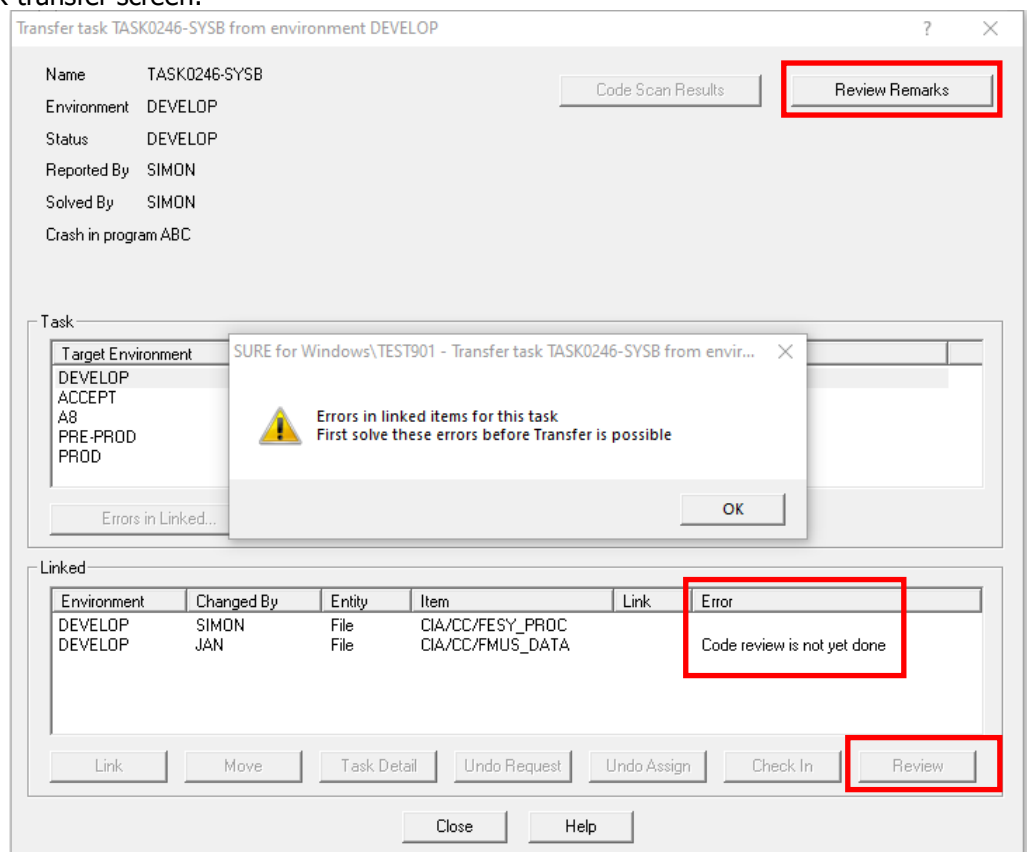
The Code Review procedure

Determine that source code changes must be reviewed

- If a review of source code changes is required (see option 1 below) and the source is checked-in on, or transferred to, the environment where the code review must be done (see option 2 below), then attribute 'Review the changes' is enabled for that source.

Task transfer is blocked if a required source code assessment is not yet done

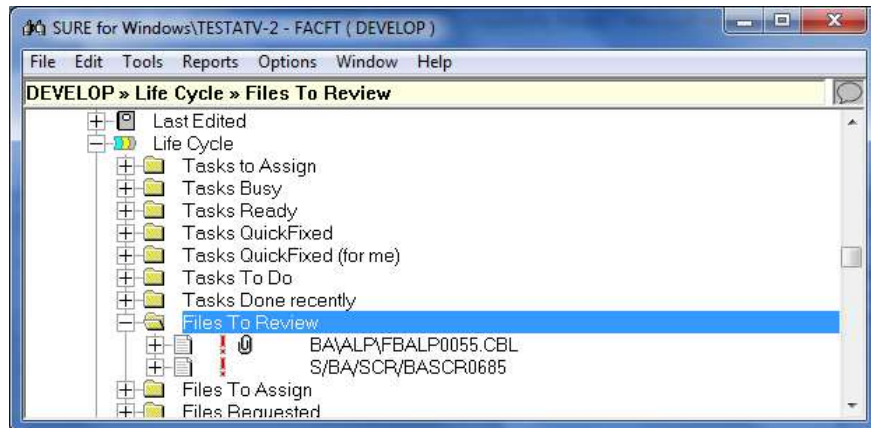
- It is not possible to transfer a task to the next environment as long as attribute 'Review the changes' is enabled for one of the linked sources. An error message is then given on the task-transfer screen:



- o Button [Review remarks] (upper right corner) shows the code review remarks of all sources that are linked to the task in this transfer
- o Button [Review] (lower right corner) gives the opportunity to perform the code review without leaving the transfer screen.

Life Cycle folder 'Files to Review'

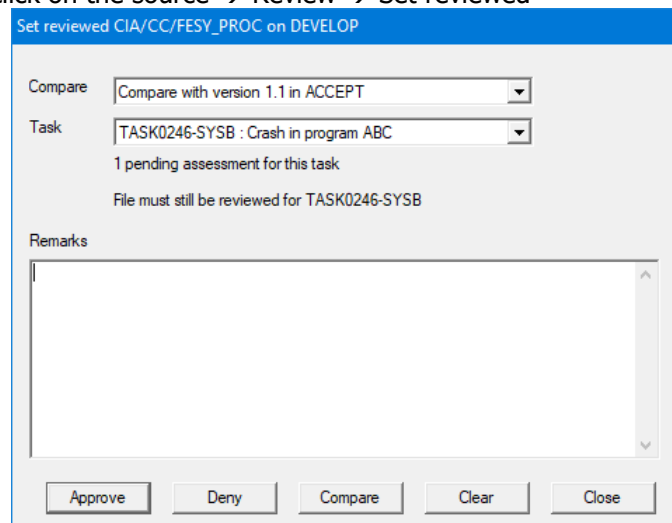
- There is a new folder: LifeCycle => Files to Review. All sources with attribute 'Review the changes' appear in that folder.



- It is possible to indicate that the code review must be done by multiple reviewers.
- The source appears only in folder 'Files to Review' if the review is not yet done by the required number of reviewers.
- The source appears only in folder 'Files to Review' of the users who did not yet mark it as 'Reviewed'.

Review the source code changes

- A reviewer can review the source code changes via various ways. For example via the File Compare function of SURE. It is the reviewer's own responsibility to do a proper review of the code changes.
- A reviewer marks the code changes as 'Reviewed' via the following function:
 - Right click on the source → Review → Set reviewed



- If the source is linked to multiple tasks then the right task must be selected
- The reviewer can make optional remarks about the changes (up to 12 lines).

The following functions are available:

Button	Function
--------	----------

[Approve]	Approve the changes
-----------	---------------------

[Deny]	Don't approve the changes. This blocks the transfer of the task to the next environment.
--------	---

[Compare] Start the compare tool. It is logged when buttons [Approve] or [Deny] are used without an earlier compare.

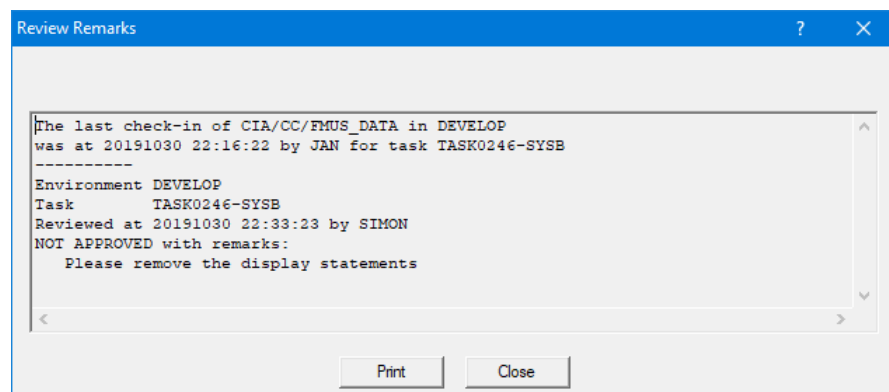
[Clear] Clear the code review requirement for one task or for all tasks.
This function is only available for users with authorization bits 'Task/Code Review' and 'Global/Transfer block'
This overrules function [Deny], so it releases the transfer block.

[Close] Close the code review screen

- It is the reviewer's own responsibility to do a proper review of the code changes.
- Function 'Code Reviewed' is logged. The following is kept in the log:
 - The timestamp
 - The usercode of the reviewer
 - The environment where the review is done
 - The file-version of the source
 - If the Compare tool is used or not used for the code review
- If a reviewer marks a source as 'Reviewed', then that source disappears from folder 'Files to Review' of that reviewer.

Check the remarks of a code reviewer

- Code review remarks are visible via the following functions:
 - Show all code review remarks of a file:
 - Right click on the file → Review → Show review remarks
 - Show the code review remarks of all files that are linked to a task:
 - Right click on the task → Review remarks
 - Show the code review remarks of all files that are linked to one or more tasks or master-tasks that must be transferred as a group:
 - Button [Review Remarks] on the task-transfer screen
 - Example of the response screen:



- Button [Print] creates a Word document

Reset the review requirement after a new check-in

- Attribute 'Review the changes' is again enabled after an extra change of the source (check-out/check-in). The old code review remarks are not cleared, so that the reviewer can check if his old remarks are addressed in the source.

Release the source for transfer if the code changes are approved by all reviewers

- If the source code changes are reviewed by the required number of reviewers (see option 3 below) then attribute 'Review the changes' is disabled, and that releases the source for transfer to the next environment.
- Another method to release the source is via button [Clear] on the review screen.
 - o This function clears the review request and the blocking reviews (where changes were not approved).
 - o This function is only available for users with authorization bits 'Task/Code Review' and 'Global/Transfer block'

Other Code Review details

About the reviewer:

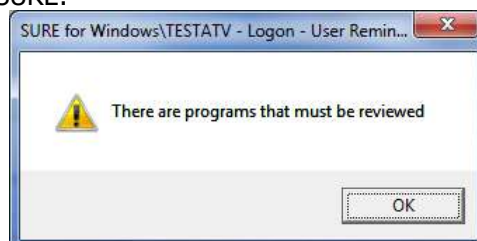
- The reviewer cannot be the same person as the developer who made the changes.
- If the reviewer is linked to a project list then he can only review sources of those projects, otherwise he can review all sources.
- A new authorization option 'Task/Code Review' is introduced for the code review. The reviewer must have that authorization code.

Function 'Code Reviewed' can be assigned to an employee-function (see option 4 below). In that case:

- The source that must be reviewed appears only in folder 'Files to Review' if the user is linked to that employee-function.
- If option 'Report to-be-reviewed when task is set to READY' (see option 5 below) is enabled then a message is sent to the reviewers when the developer marks the task as READY.



If a user logs on to SURE and his folder 'Files to Review' is not empty then he gets a reminder message from SURE:



The content of folder 'Files to review' depends on the following filters:

- Filter on Employee-function (via option 4 'Code review role'):

- If field 'Code review role' is not entered then there is no active filter on Employee-function
 - If the field contains an employee-function then the file appears only in folder 'Files to review' of the users with that employee-function.
- Filter on Team:
 - If the developer who did the check-in is not a member of any team then there is no active filter on Team
 - If the developer who did the check-in is a member of one or more teams, then the file appears only in folder 'Files to review' of his team members
- Filter on Project:
 - If a user has an empty project list then there is no active filter on Project
 - If the project list of a user is not empty, then the file appears only in folder 'Files to review' if the file-project is part of the project-list of the user.
- A combination of these filters is possible.
 - For example: If the user who changed the source belongs to team TEAM-1 and the source belongs to project PRJ-1, then that source can only be reviewed by other members of TEAM-1 with an empty project-list or with PRJ-1 in the project-list.
- If option 'Report to-be-reviewed when task is set to READY' is enabled then the checked-in file appears only in folder 'Files to review' after the task is set to READY. This supports intermediate check-in/check-out actions

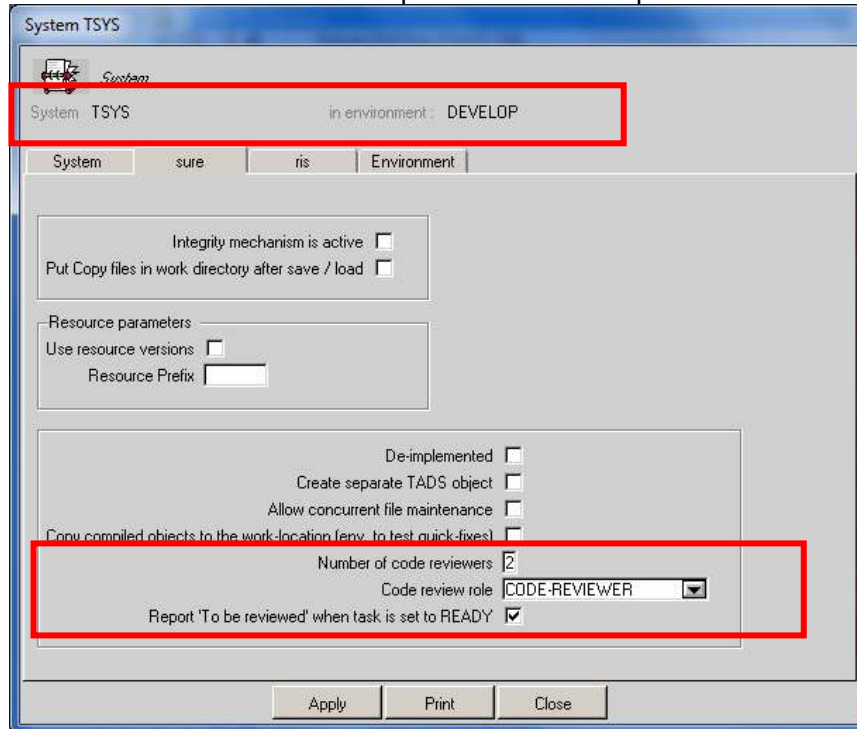
Options to manage the 'Code Review' functionality

Option 1: Code review required

- The purpose of this option is to identify the sources that require a code review.
- The option can be defined at the following places:
 - Define the option for a system (via the project properties screen (project = system)):
 - The code must be reviewed for all sources of that system.
 - Define the option for a project (via the project properties screen):
 - The code must be reviewed for all sources of that project.
 - Define the option for a file-type (via the file-type properties screen):
 - The code must be reviewed for all sources of that file-type.
 - Define the option for an individual file (via file properties → tab 'SURE' → Field 'Code review required'):
 - The code review must always be done for this specific file.
 - Define the option for a task-type (via the task-type properties screen):
 - The code changes must be reviewed if the source was changed because of task with that task-type.
- The combination of these options determines if a source code changes must be assessed or not.

- For example: if program PROG/A has file-type DBP and option 'Code review required' is enabled for that file-type, then the source must be code-reviewed after a change.

Options 2, 3, 4 and 5 are all defined on the system properties screen for a specific system/environment combination. The explanation of these options is below.



If a repository contains multiple systems then the code review parameters may differ for each of those systems.

Option 2: Define for a system the environment where and how the code review must be done.

- The purpose of this option is to identify for a system on which environment the code review must be done.
 - In this example: the code review for system TSYS must be done in DEVELOP
 - Notice that the code-review is only required for sources that meet option 1.

Example

- Consider the following configuration:
 - System SYS1 has two projects: PRJ-1A and PRJ-1B
 - Option 1: 'Code review required' is set for project PRJ-1B
 - Option 2: Code review for system SYS1 must be done in environment DEVELOP
- This configuration enforces the following:
 - Code Review is required in environment DEVELOP for programs of project PRJ-1B
 - Code Review is not required for programs of project PRJ-1A (despite that they belong to SYS1)
- It may happen that the multiple environments belong to the development domain.
 - For example:
 - The first environment is called DEVELOP and the developer does the following: check-out, modify source, unit-test, check-in

- The second environment is called TESTDEV, where the developer does a more integrated test of his changes
 - The developer is authorized to transfer the task + source to TESTDEV and to reactivate the task back to DEVELOP when he is not satisfied about the result of his tests and he wants to make additional changes.
- It is only necessary to review the code-changes when the developer is ready with his job, so at the end of the development domain. That means: when the source is transferred from the last environment that belongs to the development domain to the next environment
- The option must be defined per system and environment (via the system properties screen) via option 'Number of code reviewers'.
 - If this number is not 0 then the code changes must be reviewed for this system on this environment.
 - If the number is 0 in all environments for a specific system then the code review functionality is disabled for that system.

Option 3: Define by how many different reviewers the code check must be done.

- Option 'Number of code reviewers' determines by how many different persons a code change must be reviewed when a source is changed in the environment.

Option 4: Define an employee function for the code reviewers

- Option 'Code review role' defines the employee function for the code reviewers.
 - If the code review role is defined then a changed source that must be reviewed appears only in folder 'Files to Review' if the user has that role.
 - If the code review role is not defined then a changed source that must be reviewed appears in folder 'Files to Review' of all users.
- Notice that the content of folder 'Files to Review' is always filtered via the project-list of the user and via the team-list of the developer who did the check-in.

Option 5: Report 'To be reviewed' when the task is set to READY

- If this option is enabled then a message with a code review request is sent to the code reviewers when the source is ready to be reviewed.
- If this option is disabled then no message is sent.

Task-1301-SURE Improve routing of SURE reports (via email)

The following general rules apply for the way how SURE batch listings (created by a SRE batch program) are created:

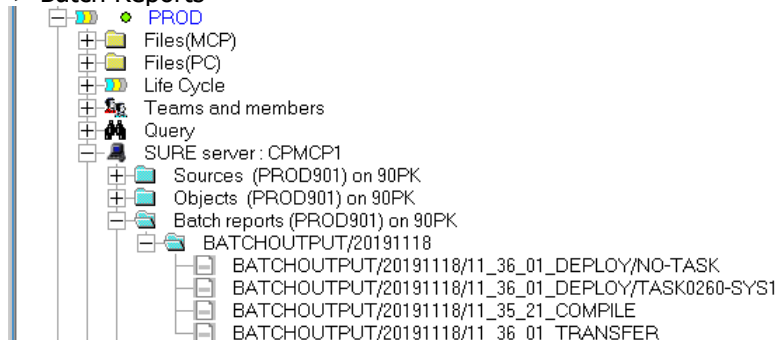
The file name of a SURE-listing (the printer backupfile) is:

- BATCHOUTPUT/<yyyymmdd>/<hh-mm-ss>_<report-id>
- For example: BATCHOUTPUT/20191128/18_04_06_DEPLOY/TASK0123

The location of a SURE listing file is the 'SURE Batch Location' of an environment: the usercode and packname where the SURE evening batch runs:

- This location is defined via tab 'SURE batch' of the screen with environments options, which means that each SURE environment has its own Batch Location.
- Old SURE listing files are automatically removed from this location when they are expired. This expiration period is also defined on tab 'SURE batch' of the environment options.

The available listings are visible in the SURE browser via folder: <Environment-name> => SURE server => Batch Reports



- A listing can be opened via function: Right click on listing name => Download

Emailing

It is also possible to email SURE reports as soon as they are created. The following general rules apply for emailing:

If the batch program is started with extra parameter 'PRINTER = EMAIL' then the output is sent to the user who started the batch program, but only if that user has an email address.

If the batch program is NOT started with extra parameter 'PRINTER = EMAIL' then the output is sent to the user who started the batch program, but only if that user has an email address and 'Printer Destination = EMAIL'.

It is also possible to define a fixed email destination for the <report-id> (where the report-id is truncated at a slash '/') .

The fixed email destination can be a team, an employee-function or a customer. If the emp-func, team or customer has an email address then that email address is used, otherwise the report is sent to all users with that function or team (and a valid email address)

The fixed email destination for the report can be defined globally (for all environments) or for a specific environment.

The following relation determines a fixed email destination:

Environment = <environment>

Group = OPTION

Owner = <report-id>

Class = EMAIL-TO

Asset = <employee-function or team or customer>

In addition to these general rules for email routing there are some reports with special email routing options. For example:

- Task-deployment-overviews and Compilation-syntax-overviews can also be sent to project leaders and environment administrator (users who are responsible for project, system or environment)

Task-1303-SURE Option: automatic code scanning after check-in

It is possible to define a table with words that should be avoided by developers. If such a table is defined, each source is automatically scanned after check-in on the words defined in the table.

The task transfer screen has a button that shows the code scan results of all programs with that task. A positive code scan is only reported: it does not block task transfers.

The Code Scan procedure

The code scan table

The code scan table is a file that is loaded in SURE. The name of the table is defined via the global options screen, tab 'SURE':

The screenshot shows the 'Option' window with the 'SURE' tab selected. The 'Code Scan table' field is highlighted, showing the value 'SURE/CODESCAN/TABLE'. Other visible fields include 'Printer Destination', 'SURE site library', 'Start screen for terminal emulation interface', 'Save source directory' (set to '*\$AVEDIR ON D'), 'Securitymode for compiled objects (default = PUBLIC ID)', and 'ReleaseID prefix'.

This example shows a code scan table named 'SURE/CODESCAN/TABLE'.
The code can table can be an MCP file or a PC file.

Scan targets are defined in the code scan table. Each line contains one scan target. In addition, the table contains a number of scan options.

Option 'Automatic code scan after check-in'

Automatic code scanning can be enabled for a project on an environment or for a system on an environment:

- If the option is defined for a system (via the project properties screen where project = system) then code scan functionality is enabled for all sources of that system.
- If the option is defined for a project (via the project properties screen (project is not system)) then code scan functionality is enabled for all sources of that project.

If no code scan table is defined then Automatic Code Scanning is disabled for all systems and projects

Performing the automatic code scan

If a source is checked-in and Automatic Code Scanning is enabled on that environment for that source then the source is marked with relation CODE-SCAN(TO-CHECK)

Program RESPECT/SURE/FIND runs in the daily SURE batch and performs the code scan for all files with relation CODE-SCAN(TO-CHECK).

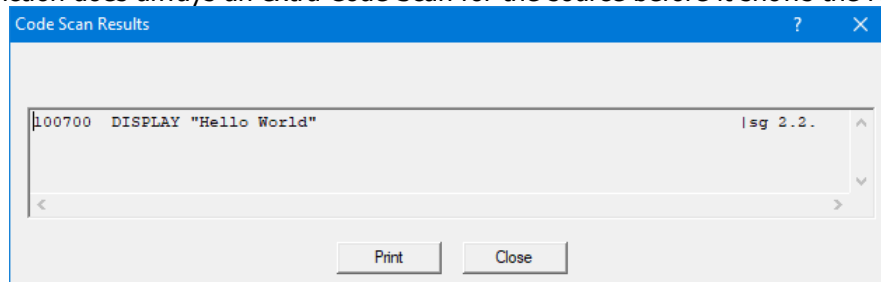
Files that contain one or more scan targets are marked with relation CODE-SCAN(TOKEN-FOUND)

Expressions CODE-SCAN(TO-CHECK) and CODE-SCAN(TOKEN-FOUND) can be used in a Query or Macro to select the files with those relations.

Viewing the code scan results for an individual source

Right click on a file → Miscellaneous → View code scan results

This function does always an extra Code Scan for the source before it shows the results:

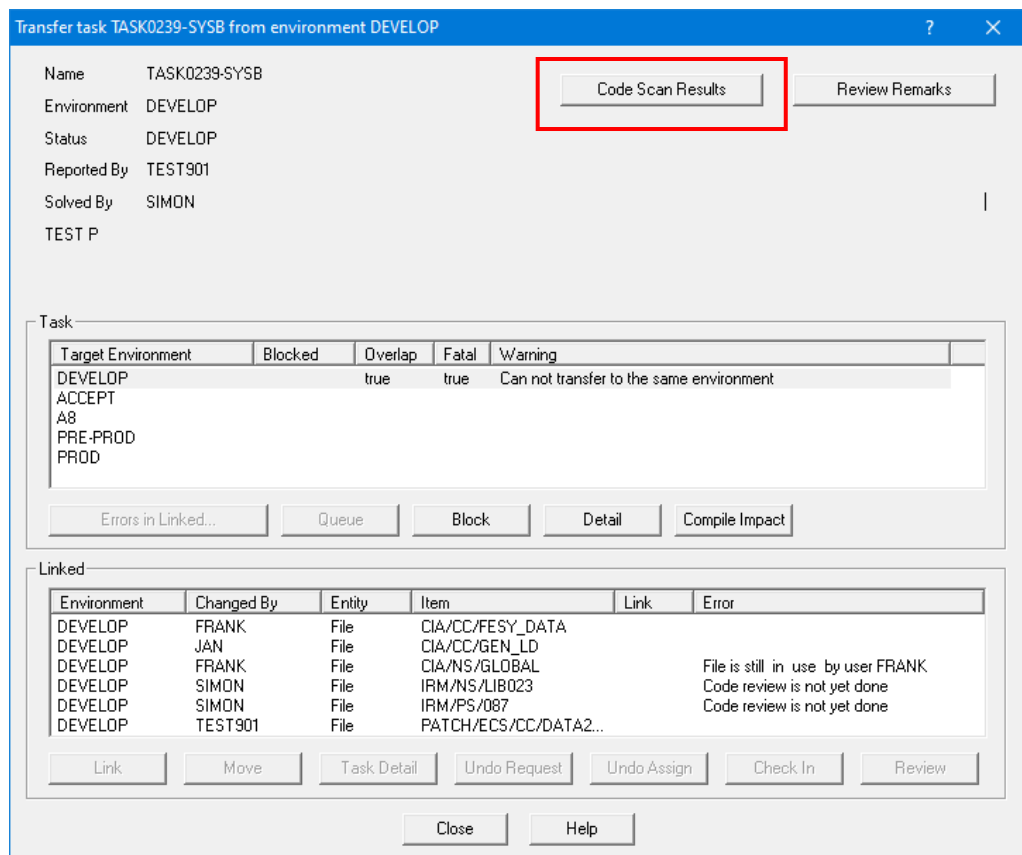


In this case the scan target was the word 'DISPLAY'

Viewing the code scan results for a (group of) tasks that must be transferred

The task transfer screen contains button [Code Scan Results] is a scan table is defined.

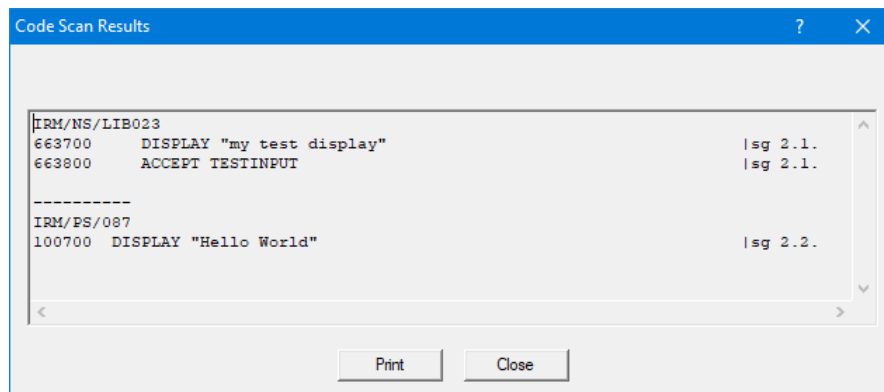
The button is enabled if there are files with scan results that are going to be transferred with this task.



The task transfer is not blocked by positive scan results.

The button is only available as a reminder that some of the sources contains words or constructions that should be avoided.

All found scan results are shown on the response screen:



In this case there is one file with the words DISPLAY and ACCEPT and another file with the word DISPLAY

The code scan table

The general syntax rules are:

- A scanning option is preceded by '@@'
- A comment symbol can also be defined via the scan options
- Lines that do not start with '@@' or with the comment symbol are scan targets

Scanning options:

@@CASE OFF	The code scan is not case sensitive (default)
@@CASE ON	The code scan is case sensitive
@@ALSOCOMMENT	Scan also comment lines in the source
@@LINENUMBERS	Scan also the line numbers of the source
@@COMMENTLINE <character>	Define a comment symbol for the scan table. All lines starting with this character are only comment and are not a scan target
@<switch scan target delimiter>	Switch the scan target delimiter. The default special character is '@'. For example: '@#' changes the scan target delimiter to '#'

Syntax of scan targets:

- Lines that do not start with '@@' or with the comment symbol are scan targets
- Scan targets that are not terminated with the Scan Target Delimiter ('@') identify a 'whole word target'
- Scan targets that are terminated with the Scan Target Delimiter ('@') identify a 'partial word target'. Multiple spaces are compressed to 1 space.
- Scan targets with the 'FOR <nr> CLAUSE' identify a combination of multiple scan targets over multiple lines. Multiple spaces are compressed to 1 space. This must be terminated with Scan Target Delimiter

Example of a scan table

Line	Table
1	@@COMMENTLINE %
2	@#
3	% scan for the following targets
4	DISPLAY

```

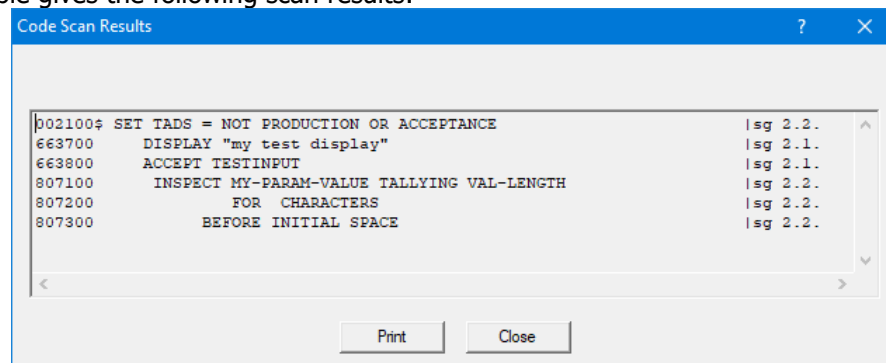
5      ACCEP#
6      INSPECT INITIAL FOR 4 LINES#

```

Explanation:

- Line 1 defines the comment symbol for the scan table = '%'
- Line 2 changes the Scan Target Delimiter from '@' to '#'
- Line 3 is a comment line (because it starts with the comment symbol '%')
- Line 4 defines scan target 'DISPLAY'. This is a whole word target, so DISPLAY-IT won't be recognized
- Line 5 defines scan target 'ACCEP'. This is a partial word target, so ACCEPT will be recognized
- Line 6 defines a scan target where the words INSPECT and INITIAL are both used in the source in the defined order in a block of 4 lines. If found then the entire block is shown in the scan results.

This table gives the following scan results:



It is possible to enable Automatic Code Scanning for multiple environments, with a different table content for each environment by making the code scan table an anchored file

Task-1304-SURE New: Create and email deploy overviews per task

SURE creates a detailed deploy overview for each task that is compiled and deployed. It is also possible to email these overviews automatically to the responsible persons.

Deploy overviews

The deploy overviews are created by program RESPECT/SURE/TRANSFER

Deploy overviews are created per task:

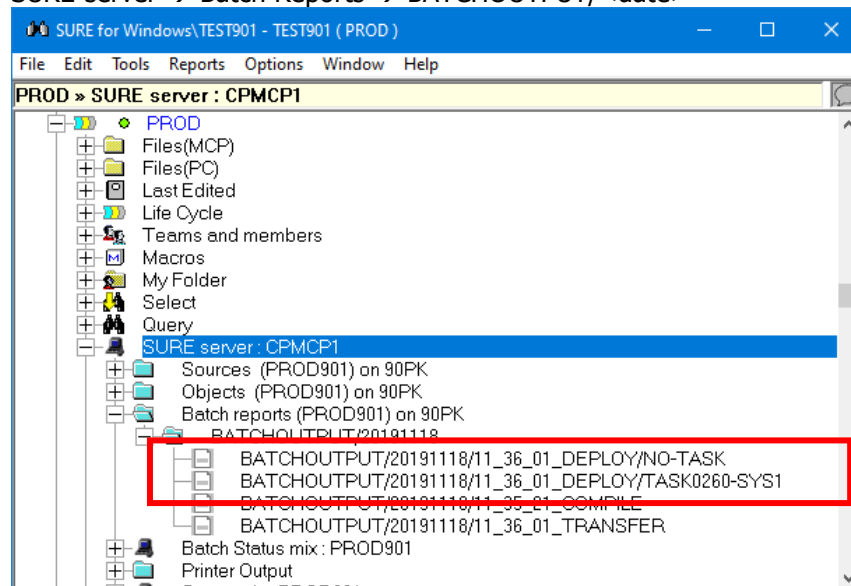
- All programs that were changed, compiled or deployed because of a task are reported in the deploy overview of that task.
- The file name of a deploy overview is BATCHOUTPUT/<date>/<time>_DEPLOY/<task>

Programs that are compiled 'ad hoc' and not because of a task are reported in a default deploy overview called BATCHOUTPUT/<date>/<time>_DEPLOY/NO-TASK

The overviews are created as printer backup files, and saved on disk in the BATCHOUTPUT directory of the environment where RESPECT/SURE/TRANSFER ran.

You can download a deploy overview via folder:

SURE-server → Batch Reports → BATCHOUTPUT/<date>



- This example shows two deploy overviews
 - o The default overview: DEPLOY/NO-TASK
 - o A task-deploy-overview: DEPLOY/TASK0260-SYS1

The content of a deploy overview

The following is an example of a deploy overview:

```
Compiles/Deployments for TASK0260-SYS1 at PROD    18-nov-2019 11:36.

Task TASK0260-SYS1    This is the short description of the task

18-nov-2019 11:30: Reported by SIMON of department KANTINE.
18-nov-2019 11:33: Transferred to PROD by TEST901.
18-nov-2019 11:33: Ready.
Handled by TEST901.
```

```

Status      SOLVED
Project     SYS1
Type        FEATURE
Priority     MEDIUM

Description:
-----
Example of deployment overview of a task

Solution:
-----
This is the 'solution' info

Documentation:
-----
This is the 'Documentation' info

Files changed:
-----
SYS1/T20/C1
    Transfer Version 55.1 to PROD at 18-nov-2019 11:33 by TEST901.
SYS1/T20/P3
    Transfer Version 25.1 to PROD at 18-nov-2019 11:33 by TEST901.

Programs compiled:
-----
SYS1/T20/P1
    Reason: SYS1/T20/C1.
SYS1/T20/P2
    Reason: SYS1/T20/C1.
SYS1/T20/P3

Programs deployed:
-----
prev  => new
 8.1  =>  8.1 (PROD901)OBJECT/SYS1/T20/P1 on 90PK
 1.2  =>  1.2 (PROD901)OBJECT/SYS1/T20/P2 on 90PK
24.2  => 25.1 (PROD901)OBJECT/SYS1/T20/P3 on 90PK

```

A deploy overview shows the following:

- The task name and the short description
- The timestamps when the task was created, assigned, transferred and solved
 - o These timestamps depend on the environment of the compilation/deployment
- Several task attributes like reference, project, system, type, priority, severity, probability, etc
- The full task description
- The solution info (if entered)
- The documentation info (if entered)
- The files that were changed for because of this task, plus the method: check-in or transfer
- The programs that were compiled, plus the reason (a copy-file, multi-object, etc)
- The programs that were deployed, plus the previous and the new file-version

The default deploy-overview (for ad hoc compilations) does not show task-related information

Emailing the deploy overviews

The deploy overviews are emailed to responsible users or to teams based on email options that can be defined on tab 'SURE batch' of the environment properties screen:

The screenshot shows the 'Environment PROD' window with the 'sure batch' tab selected. The 'options for RESPECT/SURE/COMPILE' section contains several checkboxes. A red rectangle highlights the following email routing options:

- Email to <Responsible for Environment> ☐
- Email to <Responsible for System> ☒
- Email to <Responsible for Project> ☐
- Email to developers ☐
- Email to team ☒

The following table describes the email routing for each option

Email to	Explanation
<Responsible for environment>	<p><Responsible for environment> is an employee-function that must be defined on tab 'Environment' of the environment properties.</p> <p>If this option is enabled then all task deploy forms are sent to the email address of <Responsible for environment>.</p> <p>If <Responsible for environment> does not have an email address then the task deploy email is sent to all users with that employee-function and with the task-project in there project scope.</p>
<responsible for system>	<p><Responsible for system> is an employee-function that must be defined on the project-screen of the system.</p> <p>If this option is enabled then a task deploy form is sent to the email address of <Responsible for system> if the task belongs to that system.</p> <p>If <Responsible for system> does not have an email address then the task deploy email is sent to all users with that employee-function and with the task-project in there project scope.</p>
<responsible for project>	<p><Responsible for project> is an employee-function that must be defined on the project-screen.</p> <p>If this option is enabled then a task deploy form is sent to the email address of <Responsible for project> if the task belongs to that project.</p>

If <Responsible for project> does not have an email address then the task deploy email is sent to all users with that employee-function and with the task-project in there project scope.

<developers> Not used for task deploy forms

<team> This option is only applicable for team with a project list. The task deploy email is sent to the users of the teams that have the task-project in the project-list.

Email example1

Suppose the following configuration:

- Environment PROD
 - o Option 'Responsible for environment' = ADMIN-PROD
 - o Option 'Email to <responsible for environment>' is enabled
- Users SIMON and JAN have employee-function ADMIN-PROD
- SIMON has no project-list, so his project-scope is 'all projects'
- JAN has project-list PRJ-AA and PRJ-BB

Task TASK-1 of project PRJ-AA is transferred to PROD and compiled and deployed

- The deployment overview of TASK-1 is emailed to SIMON and JAN
 - o SIMON because he has a full project scope
 - o JAN because task-project PRJ-AA is in his project list

Task TASK-2 of project PRJ-CC is transferred to PROD and compiled and deployed

- The deployment overview of TASK- is emailed to SIMON but not to JAN
 - o SIMON because he has a full project scope
 - o JAN is skipped because task-project PRJ-CC is not in his project list

Email example 2

Suppose the following configuration:

- Environment PROD
 - o Option 'Email to team' is enabled
- TEAM-1 has a project-list with project PRJ-AA and PRJ-BB
- Users SIMON and JAN are members of team TEAM-1 so they inherit the project list of TEAM-1

Task TASK-3 of project PRJ-AA is transferred to PROD and compiled and deployed

- The deployment overview of TASK-3 is emailed to SIMON and JAN because they have PRJ-AA in their project-list

Task TASK-4 of project PRJ-CC is transferred to PROD and compiled and deployed

- The deployment overview of TASK- is not emailed to SIMON and JAN, because PRJ-CC is not in their project-list

3 New or deleted batch programs/functions

This paragraph gives a summary of the changed batch functions

RESPECT/PRINT

new	HELP <function>	Show the options of the mentioned function
new	SECURITY-LOG	This function creates a listing of the security log.
new	TEAM-OVERVIEW	This gives an overview of the teams with their users and projects, and the users with their teams and projects.
new	SECURITY-LOG	Print the security log
new	PRINT-LOG	Print the SURE log
deleted	PATCHFILE-OVERVIEW	This function lists all programs with one or more patch files.

RESPECT/REPOSITORY

new	HELP <function>	Show the options of the mentioned function
new	UPGRADE-REPOSITORY	Run all conversion functions that are not yet done and set the repository level
new	CONVERT	Execute a specific conversion function
new	DUMP-CLASS	Dump all relations of a specific class into a data file
new	DUMP-FOR-WIKI	Dump information about files into an XML-file that can be used as input for a Wiki.
new	RESET-KERBEROS	Reset the Kerberos domain option so that log on via Kerberos is disabled, and regular logon is enabled.
new	MOVE-TO-ARCHIVE	Move the files and RIS-components that are placed in the to-archive queue to the archive environment.
new	ADD-REL	Add one relation.
new	DEL-REL	Delete one relation.

new	LOAD-RELATIONS	Load relations from an input data file.
new	LOAD-OBJATTR	Read an input file and mark all program that are mentioned in this input with an object-attribute (PU, TASKING, CONTROL, et cetera)
new	SELECT-UNUSED	Create an overview of all files and copy-files that are not used.
new	SEND-MESSAGE	Send a message from a job/script to the SURE message box of the SFW-GUI of the user that started the job
new	CHECK-LONGEST	Verify the 'longest line' setting of each PC-file
new	CHECK-DELTA-FILES	Check and repair the delta files of PC-files according to the environment option 'Archive delta files'
new	LOAD-BATCH-FUNC	Load information about all batch functions in the repository so that this info is available via SFW → Tools → Server environment → Batch functions
new	DEACTIVATE-OLD-USERS	Deactivate all users who don't have any employee function
new	CLEAN-SECURITY-LOG	Clean the security log until a specified date and write the cleaned log records in a data file.
deleted	SET-DEFAULT-DIRECTORY	This function changed the default work pack from IDRDR to the current family.
deleted	SELECT-FILES	This function is moved to function SELECT

RESPECT/SURE/COMPILE

new	TASK-AUTOSOLVE	If RESPECT/SURE/COMPILE runs for a 'final' environment and environment option 'Solved in 2 phases' is enabled, then this parameter sets tasks automatically to status solved if all changes because of that task are correctly compiled.
new	NO-DEPLOY	If this option is enabled, then the compiled programs are not added to the to-transfer queue.
new	SEQUENCED-CARD-C85	This option enforces that the input-card file of COBOL85 program has sequence numbers.

new	USE-STABLE-VERSIONS	If resource versions are used, then copy-files with nested resources are placed on disk with the system-name as prefix
-----	---------------------	--

RESPECT/SURE/COPY

new	STREAM	Copies the file as a stream file
new	NO-MERGE	Do not merge any patch files
new	ASCII	Set file attribute EXTMODE of the stream file to ASCII
new	OVERWRITE	Overwrite an existing version of the file on disk

RESPECT/SURE/DUMP

new	QUERY	Selects the files via a query expression
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RESPECT/SURE/FINSH

new	FORCE	Start always the linked start-job, also if there is no relation JOB-STATUS(JOB-BUSY
new	UPDATEOBJECT	Update the release-id and the object=attributes of the object, but do not start a linked start-job.

RESPECT/SURE/LOAD

This program had previously 3 parameters. The 3 parameters are now combined to 1 parameter. The following options are new:

new	DIRECTORY <directory>	The directory with files that have to be loaded.
new	OBJECTNAME <source=object>	Specifies a non-standard object name for a group of files.

RESPECT/SURE/MATCH

new	DELETE-ERRORS	This deletes wrong delta-files of a specific source
new	CLEAN	RESPECT/SURE/MATCH automatically does the housekeeping for the entire repository on each fifth day, according to the history-options that are defined per environment and on the global level. Expired log- and history-records are removed during this clean action. This option enforces an immediate clean action on the repository.
new	CLEAN-FORMAT	This option is only relevant for RIS users. RESPECT/SURE/MATCH does every fifth day a check for expired formats. With this option the check is done immediately.
new	CLEAN-RUNINFO	RESPECT/SURE/MATCH does every fifth day a check for expired run information. With this option the check is done immediately.
new	CHECK-CONSISTENCY	RESPECT/SURE/MATCH does every fifth day a consistency check. With this option the check is done immediately.
new	NO-DELAY	RESPECT/SURE/MATCH checks by default only the files that are checked-in more then 2 hours ago. With this option there is no time delay, so all files that are changed since the previous run are checked.

RESPECT/SURE/STARTLOG

new	PC	These are synonyms. The input is not a directory with sumlog files but a directory with data files that come from the Windows or Unix or AIX environment
	AIX	
	UNIX	

RESPECT/SURE/TRANSFER

new	OUTPUTFILE	This creates an output file TRANSFER/OVERVIEW/<date> with all the program names that are deployed
new	WITH-FALLBACK	This option enables fallback support for a single run.

Task	Status	Date ready	Release
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4 Complete overview of tasks solved in release 90

Tasks, solved in release 90; Project SURE

BUILD-0011	Received Reported by Type	20-Mar-2012 ITSforSURE IMPROVEMENT	SOLVED	07-May-2012	at 90, 80
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Update company name ITSforSURE in some install resources

RESPECT-0068	Received Reported by Type	04-Jul-2011 SNS ERROR	SOLVED	07-May-2012	at 90, 80
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At printing log info for files: The file is not listed when the BOJ of the running job is not in the log file

RFW-0087	Received Reported by Type	05-Jul-2010 BBL ERROR	SOLVED (DENIED)	07-Jul-2015	at 90
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At checkout there should be given an error message (logical write error like Get Latest Version) when there is no space available into the work and/or source directory.

RFW-0095	Received Reported by Type	11-Oct-2011 ITSforSURE IMPROVEMENT	SOLVED	23-Feb-2012	at 90, 80
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1. Expand # OLE Server-id's to 99
2. Check correctness of INI file start-up parameter

Solution: Previously SUREforWindows supported OLE Server-id's 0 thru 9, and that is now extended to 99.

The OLE Server-id can be defined via: Toolbar ==> Options ==> SURE options ==> tab: local options
The default value is 0.

The OLE-id is used by the SURE-task screen to connect to SUREforWindows. It is required to define the OLE-id when you have multiple instances of SUREforWindows installed on one workstation, and in that case each SUREforWindows instance must have its own unique OLD-id.

RFW-0097	Received Reported by Type	01-Dec-2011 ITSforSURE IMPROVEMENT	SOLVED	23-Feb-2012	at 90, 80
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Implement INI / regional date & time representation in RFW formats.

Task	Status	Date ready	Release
<p>Solution: The layout of the data and time can be defined in the AW_OBJ.INI file via the following settings: [GLOBAL] DATELONGFORMAT=MMM-d,yyyy DATESHORTFORMAT=d-M-yyyy TIMEFORMAT=H:mm:ss</p> <p>If these settings are not defined in the ini-file, then SUREforWindows will use the settings of the workstation.</p>			
RFW-0106	Received Reported by Type	07-Dec-2012 ITSforSURE IMPROVEMENT	SOLVED 07-Dec-2012 at 90, 80
Disallow multi select over multiple types to avoid problems with hybrid node lists.			
<p>Solution: It is not possible anymore to select Files and Tasks at the same time in the SUREforWindows GUI</p>			
RFW-0107	Received Reported by Type	07-Jan-2013 WELLSFARGO ERROR	SOLVED 10-Jan-2013 at 90, 80
Some system date formats may cause invalid date strings on RFW screens.			
<p>Solution: Date formatting routine now analyses the order in which D, M and Y appear in the system date format, to determine the order in which RFW will place the date subfields, and adapt its subfield selection strategy to match this order.</p>			
RFW-0108	Received Reported by Type	17-Jan-2013 ITSforSURE ERROR	SOLVED 06-Feb-2013 at 90, 70, 80
<p>FileXfer may send a flood of AK messages. This happens when more than one timer tick elapses between the SE and the first DA message from the backend.</p>			
<p>Solution: The AK message interval should be 2 seconds, not 1 timer interval. An old patch (task SURE-2059) prevents the "last activity time" from advancing when sending an AK, resulting in this behavior. This patch has been commented out.</p>			
RFW-0109	Received Reported by Type	17-Jan-2013 ITSforSURE ERROR	SOLVED 06-Feb-2013 at 90, 70, 80
<p>FileXfer does not handle incoming AK messages while not in sending mode. Mainframe file transfers send AK messages while preparing a file for sending, to avoid a time-out, but RFW does not handle these AKs and times out anyway.</p>			
<p>Solution: Handle AK messages under all circumstances, updating the "time last activity".</p>			
RFW-0110	Received Reported by Type	21-Jan-2013 ITSforSURE ERROR	SOLVED 06-Feb-2013 at 90, 70, 80

Task			Status	Date ready	Release
Troubles in FileXfer, part 3 (see tasks RFW-0108 and RFW-0109).					
RFW-0111	Received Reported by Type	25-Jan-2013 ITSforSURE IMPROVEMENT	SOLVED	06-Feb-2013	at 90, 80
Truncate DCIS FileXfer messages (q/Q header) in trace file. This makes the trace file easier to handle					
Solution:	The following options can now be used in the AW_OBJ.INI to control the way how FileTransfer messages are written in the trace-file				
<p>[GLOBAL] FTPTRACE=CUT (The default setting) FTP data messages (starting with QDA or qDA) are written in the trace file with truncation after 28 characters. This writes the content of the FTP-header in the trace file, but the FTP-data (= the source content) not. The result: the trace-file won't grow so fast at a session with many file-transfers, but the FTP-protocol is still visible.</p> <p>FTPTRACE=FULL The FTP data messages are written in the trace file in 'native format', so no conversion. This was the previous default method.</p> <p>FTPTRACE=HEX The FTP data messages are written in the trace-file in hexadecimal layout. This makes the trace file much longer, but there won't be a problem with 'unreadable' characters.</p> <p>FTPTRACE=OFF The FTP messages are not written in the trace file.</p>					
RIS-1656	Received Reported by Type	09-May-2012 ITSforSURE IMPROVEMENT	SOLVED	09-May-2012	at 90, 80
Test SURE build server					
RIS-1661	Received Reported by Type	11-May-2012 ITSforSURE ERROR	SOLVED	11-May-2012	at 90, 80
Error in dump/load repository: an unexpected BEGIN-ITEM is placed in the dump-file					
RIS-1670	Received Reported by Type	04-Jun-2012 UNISYS IMPROVEMENT	SOLVED	05-Jun-2012	at 90, 80
Compile software with MCP-541 compilers					

Task	Status		Date ready	Release
RIS-1683	Received Reported by Type	04-Jul-2012 SNS ERROR	SOLVED	04-Jul-2012 at 90, 80
Integer overflow at LOAD-REPOSITORY				
RIS-1697	Received Reported by Type	17-Sep-2012 SNS IMPROVEMENT	SOLVED	01-Nov-2012 at 90, 80
Examine Perl-scripts also for do("..") and system("..") to add an EXCUTE relation when the first id between the quotes is the last-node of an existing perl-script				
RIS-1700	Received Reported by Type	21-Sep-2012 SNS IMPROVEMENT	SOLVED	21-Sep-2012 at 90, 80
In the case that a generated source is loaded in SURE and gets status generated: delete all problem links and all assigned relations				
Solution:	This is done because a source is generated in the scope of an environment. So the source cannot be promoted to the next environment via a task but it must be generated in that environment.			
RIS-1706	Received Reported by Type	05-Nov-2012 SNS IMPROVEMENT	SOLVED	05-Nov-2012 at 90, 80
We have file SRC\SAS\DBP\DBP-PINRK01.CBL. The following search-nodes are created for this file: SAS, DBP and DBP-PINRK01. Can you also add search-node PINRK01?				
Solution:	If the last node starts with a prefix that is used earlier in the file as a separate node, then the remainder is added as an extra search node.			
RIS-1715	Received Reported by Type	22-Nov-2012 ITSforSURE ERROR	SOLVED	22-Nov-2012 at 90, 80
Check-out of an MCP file gives always the message 'do you want to use the merge tool', and the compare buttons on the check-in screen are disabled				
SFW-0002	Received Reported by Type	15-Feb-2012 ITSforSURE FEATURE	SOLVED	07-May-2012 at 90, 80

Task			Status	Date ready	Release
	Rebuild the RIS/SURE back-end software in C++				
Solution:	The SURE back-end is now available on Windows, with an SQL-server repository.				
SFW-0008	Received Reported by Type	11-Sep-2012 SNS FEATURE	SOLVED	05-Nov-2012	at 90, 80
	Statistics must also be visible in the speed menu for PC-files.				
	Controls	SURE-2579	New batch function to load the AIX sure log files into the repository		
Solution:	The run-statistics for PC-file have to be loaded in SURE via program RESPECT/SURE/AIXLOG.				
SFW-0009	Received Reported by Type	27-Sep-2012 SNS IMPROVEMENT	SOLVED	01-Nov-2012	at 90, 80
	Put extra information in the user browse and user inquiry transaction to view the icons: information, reminder and generate info when this information is available				
SFW-0011	Received Reported by Type	01-Oct-2012 ITSforSURE IMPROVEMENT	SOLVED	05-Nov-2012	at 90, 80
	Review status icons and used-by layout				
	Controls	SURE-2580	Review status icons and used-by layout		
SFW-0014	Received Reported by Type	17-Jan-2013 BBL IMPROVEMENT	SOLVED	06-Feb-2013	at 90, 70, 80
	Allow to download a file with a maxrecsize=1				
Solution:	It is not possible anymore to transfer a file with a MAXRECSIZE of 1 as a text file. The option is disabled at the SfW-screen and the file/transfer program sends an abort when it received such request The SureForWindows client reacts at the mainframe ACK. Now the 2 minutes of no result did not happens anymore in the time a large file is translated at the mainframe.				
SFW-0016	Received Reported by Type	28-Jan-2013 ITSforSURE ERROR	SOLVED	31-Jan-2015	at 90
	After a new installation the language is not found in SfW to add a new usercode.				

Task	Status	Date ready	Release
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SURE-1909	Received Reported by Type	01-Feb-2005 ITSforSURE IMPROVEMENT	SOLVED	20-Nov-2012	at 90, 80
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The Help => About screen shows now the current MCP release and the current version of Windows of the workstations where SUREforWindows ran during the last month

Solution: See the task explanation form or the task attachment in SURE for detailed information

SURE-1998	Received Reported by Type	28-Mar-2006 BBL IMPROVEMENT	SOLVED (already-done)	08-Nov-2012	at 90, 80
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Check normal compile-queue, special compile-queue and resource-versioning

SURE-2012	Received Reported by Type	28-Mar-2006 BBL ERROR	SOLVED (already-done)	08-Nov-2012	at 90, 80
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Problem in resource versioning

SURE-2231	Received Reported by Type Severity Probability	13-Oct-2015 SNS ERROR SEVERE POSSIBLE	SOLVED (already-done)	07-Jun-2016	at 90
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Update in ECLIPSE does not work after the file has been recovered from the next environment

Solution: CVS interface may override a version number with a lower one upon recover or rollback. Eclipse seems to accept this.

SURE-2235	Received Reported by Type	23-May-2007 SNS ERROR	SOLVED	22-Nov-2012	at 90, 80
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CVS interface part 2

SURE-2236	Received Reported by Type	24-May-2007 ITSforSURE IMPROVEMENT	SOLVED	10-Jan-2013	at 90, 80
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Reprocess quick fix also shows files in history not requiring any processing. This is applicable when the task is reactivated again to make additional changes,

Task	Status		Date ready	Release
Solution:	Denied			
SURE-2245	Received Reported by Type	01-Nov-2018 BBL FEATURE	SOLVED	30-Nov-2018 at 90
	Make ability to perform 'Code reviewed' indication on a source			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
SURE-2249	Received Reported by Type	09-Jul-2007 ITSforSURE IMPROVEMENT	SOLVED (already-done)	30-Jun-2014 at 90
	Upgrade CVS interface for eclipse version 3.3			
SURE-2273	Received Reported by Type	13-Oct-2015 ITSforSURE IMPROVEMENT	SOLVED (not-reproducible)	07-Jun-2016 at 90
	Check rename in root directory using Eclipse refactor			
Solution:	Not enough information. May already have been solved.			
SURE-2274	Received Reported by Type Severity Probability	13-Aug-2007 ITSforSURE ERROR MINOR POSSIBLE	SOLVED (not-reproducible)	02-Apr-2014 at 90
	Load PC files takes current task and not the task entered at the load initialization			
Solution:	Cannot reproduce. This has probably been solved as part of another task.			
SURE-2292	Received Reported by Type	01-Oct-2007 ITSforSURE IMPROVEMENT	SOLVED	08-May-2012 at 90, 80
	Separate the changes to file-attributes and the changes to the file-content, so that you can transfer one of them without transferring the other.			
Solution:	Changing a file-attribute via function 'Modify File-properties' links that file to a task, but with a different group: FILE-PROPERTIES instead of FILE-CONTROL. This makes it possible to promote the changed file-properties to the next environment without promoting the file-content.			
SURE-2404	Received	30-Sep-2008	SOLVED	07-Jan-2015 at 90, 80

Task	Status		Date ready	Release
	Reported by Type	ITSforSURE IMPROVEMENT		
	Change the names 'Ordina' and 'Infra Design' to 'ITSforSURE' in documents			
SURE-2468	Received Reported by Type	23-Oct-2009 ITSforSURE FEATURE	SOLVED	06-Jul-2015 at 90, 80
	Make naming of build script, error and list files configurable.			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
SURE-2532	Received Reported by Type	05-Sep-2011 ITSforSURE ERROR	SOLVED	23-Feb-2012 at 90, 80
	Report thru RTF-scanner fails if SURE is not registered as OLE server			
Solution:	Give error message if a report containing RTF steps is started on an installation with setting OLESERVER=0.			
SURE-2533	Received Reported by Type	07-Sep-2011 CSI FEATURE	SOLVED	07-Nov-2011 at 90, 70, 80
	Create an overview of all the teams with their members and projects under that team			
Solution:	<p>The overview is implemented as print function TEAM-OVERVIEW in program RESPECT/PRINT.</p> <p>Run the program as follows: <code>RUN RESPECT/PRINT("TEAM-OVERVIEW");</code></p> <p>The function gives 2 listings: - Teams, with their projects and users - Users, with their projects and teams</p>			
SURE-2535	Received Reported by Type	25-Oct-2011 WELLSFARGO IMPROVEMENT	SOLVED	28-Oct-2011 at 90, 80
	If the project of a file is changed to ARCHIVE then you don't need a task, but if you change it back then you do need a task. Why? Only project ARCHIVE behaves like this			
Solution:	<p>We did some tests, and the software works as intended: Because of the change of the project, the source got an object-location, and that causes a change of the object-name when the source is compiled (from empty to something) The rule is: is modify-file-properties results in a changed object-name and the new name is not empty, then then source is linked to a task, because in that case the source must also be recompiled on the higher environments.</p>			

Task	Status		Date ready	Release
SURE-2538	Received Reported by Type	04-Nov-2011 CSI ERROR	SOLVED	07-Nov-2011 at 90, 70, 80
Invalid index when a PC-file is checked-in				
Solution:	The crash was caused by a large taskname (18 characters) in combination with option 'Put taskname in mark-id'. The task-name is placed in the file-header and this is also done for PC-files. Solution: if the length of the taskname exceeds the room in the file-header then it will be truncated on the left side.			
SURE-2539	Received Reported by Type	07-Nov-2011 BBL ERROR	SOLVED	07-Nov-2011 at 90, 70, 80
Uploading a data-file with a record size bigger than 4096 characters fails.				
Solution:	This was caused by the record-size of the data file. For uploading data files to the MCP, SURE supported a maximum record size of 4096 and the file had a record size of 5714. Solution: We now support a maximum record size of 9999 characters.			
SURE-2540	Received Reported by Type	07-Nov-2011 ITSforSURE ERROR	SOLVED	07-Nov-2011 at 90, 80
Browse MCP-files goes wrong if a node starts with a hyphen				
SURE-2541	Received Reported by Type	08-Nov-2011 WELLSFARGO FEATURE	SOLVED	14-Nov-2011 at 90, 60, 70, 80
Create a print program to print usercode attributes from the SURE repository				
Solution:	This is the new program RESPECT/PRINT/USERATTRIBUTES. The project object is available on request.			
SURE-2543	Received Reported by Type	23-Nov-2011 ITSforSURE ERROR	SOLVED	07-May-2012 at 90, 80
Function File -> Logon puts new browser window over logon window. Logon window is still reachable, but user has to manually switch to it.				
Solution:	Browser window resurfaces when wait/disable dialog is ended after a successful log on. Since this window is hidden during the lifetime of the logon dialog, no wait/disable is necessary on the browser window. Removed it.			
SURE-2544	Received Reported by	01-Dec-2011 WUH	SOLVED	23-Feb-2012 at 90, 80

Task	Status		Date ready	Release
	Type	ERROR		
	SURE Options dialog only works for old style CVS interface.			
Solution:	Adapted to change INI file settings according to new style interface requirements.			
SURE-2545	Received Reported by Type	01-Dec-2011 ITSforSURE IMPROVEMENT	SOLVED	23-Feb-2012 at 90, 80
	Remove fields CURR*FORMAT to control date/time formatting from INI. Function is already properly handled by the fields without CURR prefix.			
Solution:	<p>The following options are de-implemented in the AW_OBJ.INI file:</p> <p>[GLOBAL] CURRDATELONGFORMAT=MMM-d,yyyy CURRDATESHORTFORMAT=d-M-yyyy CURRTIMEFORMAT=H:mm:ss</p> <p>The following options are valid in the AW_OBJ.INI file:</p> <p>[GLOBAL] DATELONGFORMAT=MMM-d,yyyy DATESHORTFORMAT=d-M-yyyy TIMEFORMAT=H:mm:ss</p>			
SURE-2546	Received Reported by Type	08-Dec-2011 BBL ERROR	SOLVED	08-Dec-2011 at 90, 70, 80
	The download of a file with filekind DBDATA triggers a loop in RIS/API/FTP			
Solution:	SURE gives now an error message if you try to download a DBDATA-file.			
SURE-2547	Received Reported by Type	24-Feb-2012 BBL ERROR	SOLVED	07-May-2012 at 90, 70, 80
	Resource-versioning: problem with resources starting at column 7 and ending at column 72			
SURE-2548	Received Reported by Type	01-Mar-2012 ITSforSURE FEATURE	SOLVED	07-May-2012 at 90, 80
	Implement Get Latest Version function on the top nodes Files(MCP) and File(PC)			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
SURE-2550	Received	25-Apr-2012	SOLVED	08-May-2012 at 90, 80

Task	Status		Date ready	Release
	Reported by Type	WELLSFARGO IMPROVEMENT		
	<p>Split the update of file properties from the update of the source. After an update of the file-properties, the source as well as the properties is transferred. When only the properties are updated only those will be transferred and not the source changed under a different task</p>			
Solution:	<p>The properties AUTHOR and FUNCTION are now global. You can modify them without a task and the modification applies immediately to all environments.</p> <p>It is also possible to link multiple function to a file, by placing the + sign in from of the name. For example:</p> <p>Enter Function = '+func1': this method adds function 'func1' to the program. Enter Function = '+func2': this method adds function 'func2' to the program. Enter Function = '-func1': this method deletes function 'func1' from the program. The program has now only function 'func2'.</p>			
SURE-2551	Received Reported by Type	26-Apr-2012 BBL ERROR	SOLVED	07-May-2012 at 90, 70, 80
	Undo request did not work correct when more users have requested the source for the same task and one has changed the source.			
SURE-2552	Received Reported by Type	03-May-2012 WUH ERROR	SOLVED	07-May-2012 at 90, 80
	The list of securities is not correct after a change of an employee function			
SURE-2553	Received Reported by Type	08-May-2012 ITSforSURE IMPROVEMENT	SOLVED	08-May-2012 at 90, 80
	User who changed a source must be visible on the task-transfer screen			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
SURE-2554	Received Reported by Type	08-May-2012 ITSforSURE ERROR	SOLVED	08-May-2012 at 90, 80
	RESPECT/SURE/MATCH does not clean-up the deleted sources correctly			
Solution:	<p>Some sources were left as a kind of 'orphan' in the repository. That is fixed.</p> <p>T</p>			

Task			Status	Date ready	Release
SURE-2555	Received Reported by Type	09-May-2012 BBL ERROR	SOLVED	02-Jul-2012	at 90, 70, 80
A checkout via RIS/MENU with a resource error "line too long" delivers a file on disk. In SUREforWindows this file is not available after a checkout.					
SURE-2556	Received Reported by Type	11-May-2012 ITSforSURE ERROR	SOLVED	11-May-2012	at 90, 80
Invalid index when you try the view the properties of a relation (sometimes)					
SURE-2557	Received Reported by Type	14-May-2012 SNS ERROR	SOLVED	14-May-2012	at 90, 80
Program RESPECT/PRINT("TASK-OVERVIEW") goes sometimes in waiting state with SORT-DISK = FULL, AX OK TO EXTEND					
SURE-2558	Received Reported by Type	16-May-2012 ITSforSURE ERROR	SOLVED	16-May-2012	at 90, 80
Sub-folder 'References': the first defined reference-class is skipped in the overview					
SURE-2560	Received Reported by Type	31-May-2012 ITSforSURE ERROR	SOLVED	06-Jun-2012	at 90, 80
Select of a single item creates context menu for multiple items.					
SURE-2561	Received Reported by Type	11-Jun-2012 BBL ERROR	SOLVED	11-Jun-2012	at 90, 70, 80
Sometimes the releaseid of the description file is not updated in the compile program, which runs continue.					
SURE-2562	Received Reported by Type	14-Jun-2012 SNS IMPROVEMENT	SOLVED	14-Jun-2012	at 90, 80

Task			Status	Date ready	Release
Program RIS/COMPLETE/WORKENVIRONMENT must be marked with PU, because it may copy include-files from SURE to the *-directory					
SURE-2564	Received Reported by Type	18-Jun-2012 BBL ERROR	SOLVED	06-Nov-2012	at 90, 70, 80
Wrong use of copy files in resource-versions at compiling in the reorg compile queue					
Solution:	We add an extra compile option to activate these changes: USE-STABLE-VERSIONS. or with a permanent relation: environment: <global> group/ris-entity: OPTION owner: RESOURCE-VERSION class: OPTION asset: SOLVED				
SURE-2565	Received Reported by Type	18-Jun-2012 SNS ERROR	SOLVED	18-Jun-2012	at 90, 80
DUMP-RESPOSITORY skips sometimes files when those files are linked to a task that does not have status solved.					
SURE-2566	Received Reported by Type	19-Jun-2012 ITSforSURE IMPROVEMENT	SOLVED	19-Jun-2012	at 90, 60, 70, 80
Create description file for DMS-release 541					
SURE-2567	Received Reported by Type	22-Jun-2012 SNS IMPROVEMENT	SOLVED	22-Jun-2012	at 90, 80
Status screen: show the name of an active-task instead of an indication that there is an active task					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
SURE-2568	Received Reported by Type	23-Jun-2012 ITSforSURE IMPROVEMENT	SOLVED	23-Jun-2012	at 90, 80
Notes of release 80 must be visible in the help menu					
SURE-2569	Received Reported by Type	28-Jun-2012 ORDINA IMPROVEMENT	SOLVED	29-Jun-2012	at 90, 80
TaskMaintenance/ATvance: slight reduction in screen height required.					

Task	Status		Date ready	Release
SURE-2570	Received Reported by Type	05-Jul-2012 ITSforSURE IMPROVEMENT	SOLVED	05-Jul-2012 at 90, 80
Load new version of documentation PDF-file				
SURE-2571	Received Reported by Type	09-Jul-2012 WELLSFARGO ERROR	SOLVED	05-Sep-2012 at 90, 80
RIS/BACKGROUND/IMPACT sends the output always to a real printer. We don't want the backup file to be printed automatically				
Solution: This listing is now handles in the same was as other listings: it is available via folder SURE server => Batch reports.				
SURE-2572	Received Reported by Type	09-Jul-2012 ITSforSURE IMPROVEMENT	SOLVED	10-Jul-2012 at 90, 80
Upgrade installation documents to release 80				
SURE-2573	Received Reported by Type	12-Jul-2012 SNS ERROR	SOLVED	06-Nov-2012 at 90, 80
SURE Compile Tables do not work correctly if there is a wrong copyfile version under the usercode where RESPECT/SURE/COMPILE runs.				
SURE-2574	Received Reported by Type	30-Jul-2012 ITSforSURE ERROR	SOLVED	14-Aug-2012 at 90, 80
Crash in program RESPECT/SURE/LOAD: format error (record overflow on output)				
SURE-2575	Received Reported by Type	30-Jul-2012 ITSforSURE ERROR	SOLVED	14-Aug-2012 at 90, 80
Function FIND: I do the following: 1: Select via wildcard. 2: Select via wildcard and criteria FOUND(usercode)				

Task			Status	Date ready	Release
The second search gives result '0 files found' which is not correct.					
SURE-2576	Received Reported by Type	07-Aug-2012 SNS IMPROVEMENT	SOLVED	15-Aug-2012	at 90, 80
Examine also perl-scripts just as WFL for RUN and START statements resulting a EXECUTE relation.					
Solution:	Example				
Statement RUN ("DBP-UPD-BDCRD-AFLOOP" , \%T , "TASKVALUE=1"); creates an EXECUTE relation to a PC-file with last-node = DBP-UPD-BDCRD-AFLOOP					
SURE-2577	Received Reported by Type	14-Aug-2012 ITSforSURE IMPROVEMENT	SOLVED	01-Nov-2012	at 90, 80
Function 'Download MCP-file': Disable option 'TextFile' if the filekind = DATA and MaxRecSize = 1					
Solution:	Files of FILEKIND DATA with MAXRECSIZE = 1 are probably old stream type PC files or they are container files. These files should never be downloaded with the TextFile bit on, as this would triple the file size and create a "vertical file".				
SURE-2579	Received Reported by Type	03-Sep-2012 SNS IMPROVEMENT	SOLVED	16-Nov-2012	at 90, 80
New batch function to load the AIX sure log files into the repository					
Dependent of		SFW-0008	Statistics must also be visible in the speed menu for PC-files.		
Solution:	It is now possible to load a site-specific 'log-file' with run-time statistics in the repository. The content of the log-file is that added to the run-log of the programs that are mentioned in the file.				
The site-log is loaded in SURE as follows: RUN RESPECT/SURE/AIXLOG (" <u><name of site-log-file></u> "); TASKSTRING = " <u><environment></u> ".					
The site-log must have the following specifications:					
Each log record must have the following layout: 1- 48 = Last node of the script-name (the name of the job that started the program) 50 - 98 = Last node of the program name 105 - 119 = Start time of the program run in yyyymmddhhmiss 120 - 137 = The usercode where the program ran 139 - 143 = The hostname 145 - 159 = The creation time of the program 175 - 181 = processor time in seconds layout = 999999,9 183 - 189 = elapsed time in seconds. layout is 999999,9 191 - 192 = result, valid values are: OK or DS					
SURE-2580	Received Reported by	05-Sep-2012 ITSforSURE	SOLVED	20-Nov-2012	at 90, 80

Task	Status			Date ready	Release
	Type	IMPROVEMENT			
	Review status icons and used-by layout				
	Dependent of	SFW-0011	Review status icons and used-by layout		
Solution:	We create a new icon for tasks that are entered but not yet assigned.				
SURE-2581	Received Reported by Type	11-Sep-2012 BBL ERROR	SOLVED	06-Nov-2012	at 90, 70, 80
	Skip resource library for call by function libraries				
	It is activated by a permanent relation: environment : <global> group/ris-entity: OPTION owner: RESOURCE- VERSION class: SKIP asset: LIBRARY				
SURE-2582	Received Reported by Type	19-Sep-2012 ITSforSURE FEATURE	SOLVED	19-Sep-2012	at 90, 80
	New option for RESPECT/SURE/FINISH to force final compile activities (like assigning the correct privileges) even if the mentioned program does not have job-status(job-busy)				
Solution:	The railroad diagram of the parameter is now: ---- [FORCE] ----<source-name>-----				
SURE-2584	Received Reported by Type	27-Sep-2012 BBL IMPROVEMENT	SOLVED	06-Nov-2012	at 90, 70, 80
	Remove the main source after compilation when it is changed by resource versioning.				
SURE-2585	Received Reported by Type	01-Oct-2012 BBL ERROR	SOLVED	06-Nov-2012	at 90, 70, 80
	Resource versions did not show the line number when the record line will be too long.				
SURE-2586	Received Reported by Type	05-Oct-2012 ITSforSURE IMPROVEMENT	SOLVED	05-Oct-2012	at 90, 80
	Make it possible in SUREforWindows to select a removed or purged filename, or a file that only exists as a name				
Solution:	These files do not appear in the browse-listings, but you can select them individually via 'Select File'.				

Task	Status		Date ready	Release
SURE-2587	Received Reported by Type	08-Oct-2012 ITSforSURE IMPROVEMENT	SOLVED	08-Oct-2012 at 90, 80
Show the tasks with status QUICK-FIX but without a 'To handle by' also in the folder LifeCycle --> Tasks QuickFixed				
Solution: The tasks that were not assigned to anybody did not appear in the QuickFix folder. This is now solved.				
SURE-2588	Received Reported by Type	15-Oct-2012 ITSforSURE ERROR	SOLVED	05-Nov-2012 at 90, 70, 80
In the search for a file prefix, when the prefix is equal to the filename, the filename is not found.				
SURE-2589	Received Reported by Type	16-Oct-2012 ITSforSURE IMPROVEMENT	SOLVED	16-Oct-2012 at 90, 80
After a load via RESPECT/SURE/LOAD, the new files are not examined for copyfile relations				
Solution: The newly loaded files are now placed in the examine queue.				
SURE-2590	Received Reported by Type	16-Oct-2012 ITSforSURE ERROR	SOLVED	16-Oct-2012 at 90, 80
RIS/BACKGROUND/EMAIL calls RIS/API/DTI instead of RESPECT/DTI/LIBRARY				
SURE-2591	Received Reported by Type	05-Nov-2012 ITSforSURE FEATURE	SOLVED	29-Jul-2015 at 90
New function: selection all files with a last node that contains a wildcard				
Solution: See the task explanation form or the task attachment in SURE for detailed information				
SURE-2592	Received Reported by Type	05-Nov-2012 ITSforSURE IMPROVEMENT	SOLVED	06-Nov-2012 at 90, 80
Check and test function NEWS				
SURE-2593	Received	06-Nov-2012	SOLVED	06-Nov-2012 at 90, 80

Task	Status		Date ready	Release
	Reported by Type	ITSforSURE ERROR		
	Invalid index in program RESPECT/SURE/COMPILETEST			
SURE-2594	Received Reported by Type	06-Nov-2012 ITSforSURE ERROR	SOLVED	07-Nov-2012 at 90, 80
	Function 'Show relations': the browse was sometimes not complete (after being idle for a long time)			
SURE-2595	Received Reported by Type	07-Nov-2012 ITSforSURE IMPROVEMENT	SOLVED	07-Nov-2012 at 90, 80
	Make it possible to select users via Query or Macro			
Solution:	Macro/Query will select users if the word 'USER' is entered in field Object.			
SURE-2596	Received Reported by Type	07-Nov-2012 ITSforSURE ERROR	SOLVED	07-Nov-2012 at 90, 80
	It is not possible to clear the global options EmailServer IPadress + port			
SURE-2597	Received Reported by Type	07-Nov-2012 ITSforSURE ERROR	SOLVED	07-Nov-2012 at 90, 80
	REL-VALUES of relation EXAMINE-STATUS(TO-EXAMINE) are not empty			
SURE-2598	Received Reported by Type	20-Nov-2012 ITSforSURE IMPROVEMENT	SOLVED	20-Nov-2012 at 90, 60, 70, 80
	Create the default INFDB description file for DMS release 551			
SURE-2601	Received Reported by Type	26-Nov-2012 ITSforSURE IMPROVEMENT	SOLVED	26-Nov-2012 at 90, 80
	Too many file-state-transactions on file menu creation			

Task	Status		Date ready	Release
Solution:	Some of the file-state transactions were double and are removed to improve the performance.			
SURE-2602	Received Reported by Type	26-Nov-2012 ITSforSURE ERROR	SOLVED	26-Nov-2012 at 90, 80
Always enter environment name when opening a multi action dialog if the current node is one that has an environment. Use selected environment in OnCancel actions.				
SURE-2603	Received Reported by Type	26-Nov-2012 ITSforSURE ERROR	SOLVED	26-Nov-2012 at 90, 80
Quick Fix dialog can start WinDiff with only one file name entered.				
SURE-2604	Received Reported by Type	27-Nov-2012 ITSforSURE ERROR	SOLVED	27-Nov-2012 at 90, 80
Updating the reference table gives the message 'Software error, unknown transaction in FDM'				
SURE-2605	Received Reported by Type	27-Nov-2012 ITSforSURE ERROR	SOLVED	27-Nov-2012 at 90, 80
History of file: wrong status icon in the case of a deleted task				
SURE-2607	Received Reported by Type	28-Nov-2012 WUH ERROR	SOLVED	28-Nov-2012 at 90, 80
CVS interface crashes when receiving large amounts of data in a short period without being able to process them.				
SURE-2608	Received Reported by Type	29-Nov-2012 SNS ERROR	SOLVED	30-Nov-2012 at 90, 80
Examining Perl-scripts and loading the AIX-log: in both cases the full name of a perl-script or cobol program must be determined by the last node. This may go wrong when multiple programs have the same last node, but in different directories				

Task			Status	Date ready	Release
SURE-2609	Received Reported by Type	30-Nov-2012 WUH ERROR	SOLVED	18-Feb-2013	at 90, 80
CVS interface: 1. client key mode should take precedence over SURE file-type. 2. Implement CVS admin command to register key mode change. 3. Let internal SURE steps of CVS commit report last error.					
SURE-2610	Received Reported by Type	03-Dec-2012 ITSforSURE IMPROVEMENT	SOLVED	04-Dec-2012	at 90, 80
Functions within Compile interface must inherit the environment that is selected in the Compile Interface					
Solution:	For example: if you open the 'To-compile' list in environment DEVELOP and then select one of the files via button [Open] then you see the File Properties in environment DEVELOP.				
SURE-2611	Received Reported by Type	04-Dec-2012 BBL ERROR	SOLVED	04-Dec-2012	at 90, 70, 80
Loop in the case that a task-solution with a plus-10000 length is added and a CR-LF is just at a 10000-boundary					
SURE-2612	Received Reported by Type	06-Dec-2012 WUH IMPROVEMENT	SOLVED	06-Dec-2012	at 90, 80
CVS interface: improve responses in error situations; increase local file contents transfer speed.					
SURE-2613	Received Reported by Type	06-Dec-2012 UOFW ERROR	SOLVED	06-Dec-2012	at 90, 80
The 'automatic GUI upgrade' feature does not work between releases 70 and 80 because of a difference in the layout of the global options					
Solution:	The layout is again modified so that the auto-upgrade works again. However, in the following case it is not possible to change the directory where the 80 version of the GUI-software is placed: - When the MCP-software is already upgraded to version 80 and the GUI is still on release 70. So the recommended procedure is as follows: 1. Define via 'Global Options' the new directory where the 80-version of the GUI is placed. 2. Upgrade the MCP-software to release 80. 3. Place the 80-version of the GUI-software in the directory that was defined at step 1.				

Task	Status	Date ready	Release
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4. Start the current version of the GUI and upgrade to release 80.

SURE-2614	Received Reported by Type	06-Dec-2012 ITSforSURE ERROR	SOLVED	06-Dec-2012	at 90, 80
Bitmap Log-s.bmp not loaded					

SURE-2615	Received Reported by Type	10-Dec-2012 ITSforSURE IMPROVEMENT	SOLVED	12-Dec-2012	at 90, 80
Adapt SURE reports to reflect new transaction layouts.					

Solution: Test all the SURE reports and fix the issues

SURE-2616	Received Reported by Type	11-Dec-2012 ITSforSURE ERROR	SOLVED	12-Dec-2012	at 90, 80
Sometimes I see the 'solved-icon' before my current task. This happens after I create a new task.					

Solution: This happened in the case that a new task was created with option 'I start working for this task'. The new task was then placed on the first browser-line, but the status icon was not refreshed.

SURE-2617	Received Reported by Type	12-Dec-2012 UOFW ERROR	SOLVED	12-Dec-2012	at 90, 80
Loop in program RESPECT/TASK/TRANSFER					

SURE-2618	Received Reported by Type	13-Dec-2012 UOFW ERROR	SOLVED	13-Dec-2012	at 90, 80
A click on a button in the CompileInterface gives suddenly a very wide empty screen					

Solution: This happened (for example) in the case that the driver+lfi were down and this click wakes them up. This specific situation caused an invalid index which resulted in the empty screen.

SURE-2619	Received Reported by Type Severity Probability	13-Dec-2012 ITSforSURE ERROR MINOR POSSIBLE	SOLVED	13-Dec-2012	at 90, 80
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Task	Status	Date ready	Release
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Result of Undo Checkout is not propagated to all open browser nodes. Some icons are not refreshed

SURE-2620	Received Reported by Type	13-Dec-2012 UOFW ERROR	SOLVED	14-Dec-2012	at 90, 80
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Problems with the upgrade conversion to release 80: some file are deleted during the upgrade

Solution: This problem was caused when data conversions 65 and 68 were both executed in the same run and it was triggered by an array which was not initialized.

SURE-2621	Received Reported by Type	14-Dec-2012 ITSforSURE IMPROVEMENT	SOLVED	14-Dec-2012	at 90, 80
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Report TaskViaMacro must accept multiple lines of macro text.

SURE-2622	Received Reported by Type	14-Dec-2012 ITSforSURE ERROR	SOLVED	14-Dec-2012	at 90, 80
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Task/File/User menu choices for information do not update node icons.

SURE-2623	Received Reported by Type	23-Dec-2012 UOFW IMPROVEMENT	SOLVED	07-Feb-2013	at 90, 80
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Function Compile Task: Add a log-entry and call the event library for each file that is added to the compile queue by this function, and for the task itself too

Dependent of SURE-2636 New: Function Task => Compile: Select all sources that are linked to the

Solution: The event library is called as follows:

For each of the files that is added to the compile queue:

```
SITE_EVENT
("<the file-name that is added to the queue>"
,"COMPILE-STATUS"
,"SfW"
,"Compile"
,"<the environment>"
,"<the taskname>"
,"FILE-CONTROL"
,"<the usercode who executed the command>"
,"Task <taskname>; queue NORMAL"
);
```

For the task that that was used in function 'Compile Task':

Task	Status	Date ready	Release
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```

SITE_EVENT
("<the task-name>"
,"LOGUSER"
,"SfW"
,"Compile"
,<the environment>
,<empty>
,"PROBLEM"
,"<the usercode who executed the command>
,"Task <taskname>; queue NORMAL"
);

```

SURE-2624	Received Reported by Type	24-Dec-2012 SNS IMPROVEMENT	SOLVED	24-Dec-2012	at 90, 80
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A new bitmap for newly entered tasks that are not yet assigned to anyone

Solution: The icon is a bright star, indicating that the task is new and that nothing has been changed because of the task.

SURE-2625	Received Reported by Type	09-Jan-2013 SNS ERROR	SOLVED	10-Jan-2013	at 90, 80
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In a Microfocus Cobol file not all SELECT statements are examined

Solution: For MicroFocus Cobol sources: each internal filename that is declared in the INPUT-OUTPUT section is now linked to the source via a relation with class = DISK.

SURE-2626	Received Reported by Type	09-Jan-2013 SNS ERROR	SOLVED	10-Jan-2013	at 90, 80
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Making a task current does not change the icon of the previously current task.
If subsequent tasks are made current from a list of tasks in the browser, the previously selected current task(s) within the list will keep the 'current' icon.

Solution: On making a task current, run through all open task nodes in the browser, and reset the 'current' icon to 'assigned', for all nodes that do not represent the new current task.

SURE-2627	Received Reported by Type	10-Jan-2013 SNS ERROR	SOLVED	11-Jan-2013	at 90, 80
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Browser may crash when keying rapidly through a browse list in folder Datamodel.

Solution: RIS browser generates unnecessary State transactions on left click or cursor key move.
State transactions are now only executed on right click or double click, as in the SURE browser.

SURE-2628	Received Reported by	10-Jan-2013 SNS	SOLVED	07-Jul-2015	at 90
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Task	Status		Date ready	Release
	Type	IMPROVEMENT		
	Priority	future-release		
	Is it possible to improve the way how delta-files for MF-cobol sources are presented? For example: can you change the background color of deleted lines, so that it is easier to see what is deleted and what not.			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
SURE-2629	Received	16-Jan-2013	SOLVED	06-Feb-2013 at 90, 80
	Reported by	ITSforSURE		
	Type	IMPROVEMENT		
	Alert user to available News via Navigation bar in SURE browser.			
Solution:	When a user logs on after the news is adapted and the user did not yet look at the news, the color of navigation bar is changed to bright yellow, with the following text: There is News; see Help => News			
	The color of the navigation bar changes back to normal when the user ignores the news-warning, but after the following log-on the same will happen, until the user has checked the news.			
SURE-2630	Received	17-Jan-2013	SOLVED	06-Feb-2013 at 90, 70, 80
	Reported by	BBL		
	Type	ERROR		
	Function Unisys MCP => Sources => Rightclick on a data-file => Download:			
	Disable Text File button in Download dialog if MAXRECSIZE=1 so this type of file cannot accidentally be transferred as a text file, as this may cause problems in the FileXfer protocol.			
SURE-2631	Received	21-Jan-2013	SOLVED	06-Feb-2013 at 90, 80
	Reported by	ITSforSURE		
	Type	ERROR		
	Modified Task description or solution info does not display correctly. In the original Task maintenance screen, fields may contain odd parts of the entered text. This is display only, the actual content is correct.			
SURE-2632	Received	30-Jan-2013	SOLVED	11-Feb-2013 at 90, 80
	Reported by	UOFW		
	Type	ERROR		
	Program RESPECT/SURE/MATCH reports an inconsistency in the delta files			
Solution:	The message 'Error in deltafiles' is given if the range of delta files is not consistent in a specific environment.			
	This inconsistency will block a rollback in that environment to a version of the file that is (in time) older than the inconsistency. You cannot rollback over an inconsistency. The inconsistency was caused by the combination of functions Resequene, Rollback and Transfer, where the source is rolled-back and transferred to the same version that			

Task			Status	Date ready	Release
<p>was the result of the resequence.</p> <p>The issue is not introduced with the 80 release; it was already in the software for a long time.</p> <p>This patch eliminates the cause, so from now on the combination of functions does not create an inconsistency in the range of delta files.</p>					
SURE-2634	Received Reported by Type	06-Feb-2013 ITSforSURE IMPROVEMENT	SOLVED	06-Feb-2013	at 90, 60, 70, 80
<p>Create de default INFDB description file for DMS release 561</p>					
SURE-2635	Received Reported by Type	07-Feb-2013 UOFW FEATURE	SOLVED	08-May-2014	at 90, 80
<p>Create a batch function to compare the information-records in two repositories</p>					
Solution:	<p>This is implemented as batch function COUNT-DINFO in program RESPECT/REPOSITORY</p> <p>Example: RUN RESPECT/REPOSITORY("COUNT-DINFO")</p> <p>The counters are grouped together and displayed per functional group. If the program is started with TASKVALUE=1 then the counters are also displayed per technical group.</p>				
SURE-2636	Received Reported by Type	07-Feb-2013 UOFW FEATURE	SOLVED	29-Jul-2015	at 90
<p>New: Function Task => Compile: Select all sources that are linked to the task on the current environment and all other environments, and put them again in the compile queue of the current environment.</p>					
Controls		SURE-2623	Function Compile Task: Add a log-entry and call the event library for ea		
Solution:	<p>See the task explanation form or the task attachment in SURE for detailed information</p>				
SURE-2637	Received Reported by Type	08-Feb-2013 ITSforSURE IMPROVEMENT	SOLVED	08-Feb-2013	at 90, 80
<p>Analyze (and if necessary: reset) the status relations of a file for all environments when function 'Status' is used</p>					
Solution:	<p>So, each time that check the status (via right click => Status), the status is recalculated on all environments and adjusted where necessary.</p>				
SURE-2638	Received Reported by Type	11-Feb-2013 ITSforSURE ERROR	SOLVED	11-Feb-2013	at 90, 80

Task	Status	Date ready	Release
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Extra update for task SURE-2632

SURE-2639	Received Reported by Type	11-Feb-2013 ITSforSURE ERROR	SOLVED	11-Feb-2013	at 90, 80
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Task Linked & History list do not show environment name when the task-history is dragged and dropped to a right pane

Solution: Itemname 'Environment' changed to 'EnvironmentName'.

SURE-2640	Received Reported by Type	11-Feb-2013 SNS ERROR	SOLVED	11-Feb-2013	at 90, 80
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Adding a new task, making it current afterwards, causes a crash

Solution: Removed code that affected the previously current node, because it is removed from the browser.

SURE-2641	Received Reported by Type	12-Feb-2013 ITSforSURE IMPROVEMENT	SOLVED	13-Feb-2013	at 90, 80
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Display wait dialog while function Compile Task is running so that it is clear when the action is completed

SURE-2642	Received Reported by Type	12-Feb-2013 BBL ERROR	SOLVED	23-Feb-2013	at 90, 70, 80
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A program file with SKIP-INTEGRITY is added to a waiting integrity chain

Solution: This went wrong in the following case:

- The integrity mechanism was active for a program
- The program compiled correctly, but it was blocked by a syntax error in another program
- The program was then marked with 'Skip Integrity'
- In the next run of RESPECT/SURE/COMPILE the program was completely ignored: it was neither recompiled nor deployed. The program had to be placed again in the compile queue to get the object deployed.

This is now solved: the program will be deployed at the next run of RESPECT/SURE/COMPILE.

SURE-2643	Received Reported by Type	12-Feb-2013 ITSforSURE IMPROVEMENT	SOLVED	13-Feb-2013	at 90, 80
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Force Iconized mode for SURE browser when running as CVS server to protect browser from re-entrancy problems on CVS start-up.

Task	Status	Date ready	Release
<p>Solution: The behavior depends on the setting of option 'Act as CVS server' (see Toolbar => Sure Option => tab: Local options).</p> <p>If the option is enabled, then SUREforWindows puts itself in the iconized mode immediately after the logon:</p> <ul style="list-style-type: none"> - The SURE-icon appears in the system-area of the Windows task bar. - Rightclick on the SURE-icon gives the option to show the SURE-browser and to hide it again 			
TASK-0002-SFW	Received Reported by Type	13-Feb-2013 BBL ERROR	SOLVED 29-Mar-2013 at 90, 70, 80
To check-out a file with resource versions and a file too long causes a loop: each time the same verification message appears, and you cannot pass this message			
TASK-0003-SURE	Received Reported by Type	14-Feb-2013 ITSforSURE ERROR	SOLVED 15-Feb-2013 at 90, 80
A user who is changing securities of other users can mess up his own security map			
TASK-0004-SURE	Received Reported by Type	14-Feb-2013 BBL ERROR	SOLVED 22-Apr-2013 at 90, 70, 80
Resource versioning: Compile-with-resources does not work correctly if the new option 'Use stable resources versions' is disabled.			
TASK-0005-SURE	Received Reported by Type	14-Feb-2013 ITSforSURE IMPROVEMENT	SOLVED 21-Aug-2013 at 90
Change the internal time word in DINFO, HSTOR-TIME, DFMT			
<p>Solution: Previously all date-time stamps were stored in the repository in TIME-7 format. This layout is now changed to our self-designed TIMEWORD layout. In this layout the date-time is stored as an INTEGER (while the TIME-7 layout must be stored in a REAL).</p> <p>The layout of TIMEWORD is as follows:</p> <p>INTEGER TW;</p> <p>Bit [38:1] = always 1. This prevents that the time-word bits can be normalized</p> <p>Bit [34:2] = the century: 0 = 19; 1 = 20; 2 = 21</p> <p>Bit [32:7] = the year of the century</p> <p>Bit [25:4] = the month</p> <p>Bit [21:5] = the day of the month</p> <p>Bit [16:5] = the hour</p> <p>Bit [11:6] = the minute</p> <p>Bit [05:6] = the second</p> <p>The conversion from REAL to INTEGER was needed for the rebuild of the SURE-backend + repository on Windows</p>			

Task	Status			Date ready	Release
TASK-0007-SURE	Received Reported by Type	19-Feb-2013 ITSforSURE ERROR	SOLVED	19-Feb-2013	at 90, 80
Clicking on status icon of an Environment results in the error message "method not implemented"					
Solution:		Remove implementation for status icon of Environment nodes. So, a mouse click on the status icon of an environment is from now on ignored.			
TASK-0008-SURE	Received Reported by Type	23-Feb-2013 ITSforSURE IMPROVEMENT	SOLVED (already-done)	23-Feb-2013	at 90, 80
Create an extra section [SITEREPORT] in the aw_obj.ini file. This section will remain unchanged when the SURE-GUI is upgraded to a newer version					
Solution:		Up until now the site specific reports had to be defined in section [SUREREPORT] in the ini file. This made it very difficult to do an automatic upgrade of the [SUREREPORT] section when a new Sfw version was installed, because it is difficult to recognize which report definitions are site-specific and which are standard SURE reports. With the new [SITEREPORT] section this problem is solved.			
Please notice that the site specific report definitions have to be moved manually from section [SUREREPORT] of the aw_obj.ini file to section [SITEREPORT]					
TASK-0009-SURE	Received Reported by Type	26-Feb-2013 ITSforSURE ERROR	SOLVED	26-Feb-2013	at 90, 80
Program RESPECT/PRINT("OBJECT-LOCATIONS") aborts					
TASK-0011-SURE	Received Reported by Type	03-Nov-2013 UOFW ERROR	SOLVED	18-Mar-2013	at 90, 80
Reference list does not always show ID for "unknown" entries.					
TASK-0012-SURE	Received Reported by Type	14-Mar-2013 WUH IMPROVEMENT	SOLVED	18-Mar-2013	at 90, 80
CVS: 1. Better qualification binary / text files. 2. Configurable wait before resend. 3. Report error on incompatible keyword expansion modes.					
TASK-0014-SURE	Received Reported by	28-Mar-2013 ITSforSURE	SOLVED (works-as-intended)	01-Jul-2014	at 90

Task	Status		Date ready	Release
	Type	IMPROVEMENT		
	SCC provider does not work in release 80			
Solution:	<p>Copy the following redistributable DLL's from the RIS/BIND directory to the System32 directory and to the SysWOW64 directory to solve this:</p> <ul style="list-style-type: none"> - mfc90.dll - msvcp90.dll - msucr90.dll <p>SUREforWindows tries to copy these DLL's automatically. If that is not possible because invalid authorization then we give a proper error message for this.</p>			
TASK-0015-SURE	Received Reported by Type	28-Mar-2013 ITSforSURE ERROR	SOLVED	03-Apr-2013 at 90, 80
	Check out using patch files does not work , see scratch SRC/PATCHFILES/DBP/0015			
Solution:	Solved. This was already fixed in release 80 and 90, but not in release 70.			
TASK-0020-SURE	Received Reported by Type	29-Mar-2013 ITSforSURE ERROR	SOLVED	28-Mar-2014 at 90
	<p>Windows-7: downloading a Cande file to the TEMP-folder goes wrong if a new subdirectory must be created (each node of the file-name becomes a sub-directory). In that case the new subdirectory is not created, and the file itself is placed in an entirely different TEMP-directory.</p>			
Solution:	<p>Downloading a Cande file to the SURE TEMP directory on Windows is done via: folder: SURE Server <MCP-name> ==> Sources ==> Rightclick on a file ==> download</p> <p>The problem under Windows-7 is fixed, but the name + directories of the file on Windows are now always the same as on the MCP. For example: Cande cobol85 file TEST/ABC/123 will be download to the TEMP directory as ...\\TEMP\\TEST\\ABC\\123.C85</p>			
TASK-0022-SURE	Received Reported by Type	29-Mar-2013 ITSforSURE ERROR	SOLVED (already-done)	18-Sep-2013 at 90
	CVS option ICONIZED=TRUE makes the SUREforWindows screen entirely empty			
TASK-0023-SURE	Received Reported by Type	04-Mar-2013 SNS ERROR	SOLVED	03-Apr-2013 at 90, 80
	Crash in RESPECT/SURE/EXAMINE on a MicroFocus COBOL source			
Solution:	The problem was triggered by a comment line with a COPY-statement in it. This line should have been skipped (because it is a comment line) but was not skipped and that caused the program abort.			

Task	Status			Date ready	Release
Comment lines in MF-COBOL are now properly skipped.					
TASK-0024-SFW	Received Reported by Type	15-Apr-2013 ITSforSURE ERROR	SOLVED (DENIED)	01-Apr-2014	at 90
After an update of SfW the title=... in the ini file has been changed back to its default					
Solution:	This happens only when performing a new installation into an existing SFW location, never in case of an upgrade installation.				
TASK-0025-SURE	Received Reported by Type	17-Apr-2013 BBL IMPROVEMENT	SOLVED	22-Apr-2013	at 90, 70, 80
Keep the last stored file-version always in the repository, to prevent that an old file-version number (that was rolled-back or removed after a recover) is used again					
TASK-0026-SURE	Received Reported by Type	18-Apr-2013 UOFW IMPROVEMENT	SOLVED	22-Apr-2013	at 90, 70, 80
Make it possible to load files with quotes in the name.					
Solution:	Trying to load a file with quotes in the name resulted in a syntax error in the generated "wfl/user-id" The solution is to duplicate the quotes in the filename in the job.				
TASK-0028-SURE	Received Reported by Type Severity Probability	24-Apr-2013 BBL ERROR MODERATE POSSIBLE	SOLVED	18-Sep-2013	at 90, 70, 80
After a manual change of a resource version from a copyfile, the default resources version is delivered after a check out.					
TASK-0029-SURE	Received Reported by Type	22-May-2013 CSI ERROR	SOLVED	28-May-2013	at 90, 80
1. Function Assign Task crashes on Windows 7. 2. Function Current Task from a list of unassigned tasks changes the status-icon of other tasks to ASSIGNED.					
TASK-0030-SURE	Received Reported by Type	27-May-2013 BBL ERROR	SOLVED	02-Sep-2013	at 90, 80

Task	Status	Date ready	Release
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After loading the sumlog with the largest number 65535, the next log-file to be loaded has number 1. However, the jump to number 1 is not handled correctly.

Solution: RESPECT/SURE/LOG searches now for log-file 1 after log-file 65535 is processed.

TASK-0031-SURE	Received Reported by Type	04-Jun-2013 ITSforSURE ERROR	SOLVED	18-Nov-2013	at 90, 80
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Local Compile of MCP source: in the case that copy-files are also checked-out, only the first 11 copy-files are uploaded to the MCP as input for the compile.

TASK-0032-SURE	Received Reported by Type	07-Jun-2013 ITSforSURE ERROR	SOLVED	18-Sep-2013	at 90
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"Completed" dialog boxes are linked to browser, should link to active dialog (if available), to avoid it being obscured by the dialog on reactivation of the main window.

TASK-0034-SURE	Received Reported by Type	17-Jun-2013 BBL ERROR	SOLVED	18-Sep-2013	at 90, 70, 80
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Resource versions: the call library statement is qualified with the resource usercode/pack at function 'copy work' but not at function 'copy'

TASK-0035-SURE	Received Reported by Type Severity Probability	19-Jun-2013 ITSforSURE ERROR MODERATE POSSIBLE	SOLVED	31-Mar-2014	at 90
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The value of a site specific task attribute is not returned on the VB-task-screen if the field of the task-attribute has a drop-down box.

TASK-0036-SURE	Received Reported by Type Severity Probability	19-Jun-2013 ITSforSURE ERROR SEVERE POSSIBLE	SOLVED	04-Dec-2013	at 90, 80
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Data shift with function task-properties => menu Info => linked (on the old RfW-task-properties screen).

See test example in the attachment

Task	Status		Date ready	Release
TASK-0037-XX	Received Reported by Type	28-Jun-2013 ITSforSURE FEATURE	SOLVED	18-Sep-2013 at 90
Review the screen 'Users logged on' and introduce the Sfw Session number.				
Solution: A user gets a new SUREforWindows session number at log-on. The session number is assigned to each transaction that is sent from the GUI to the SURE backend. The session number remains the same during the entire Sfw session, even if the connection between the GUI and the backend is temporarily broken. See the task explanation form or the task attachment in SURE for detailed information				
TASK-0041-SURE	Received Reported by Type Severity Probability	21-Aug-2013 ITSforSURE ERROR MODERATE POSSIBLE	SOLVED	22-Aug-2013 at 90, 80
Drag 'Tasks Busy' to right pane does not show extended attributes correctly				
Solution: Extended options field was not filled.				
TASK-0043-SURE	Received Reported by Type Severity Probability	21-Aug-2013 ITSforSURE ERROR SEVERE POSSIBLE	SOLVED	18-Sep-2013 at 90
I get a complete empty browser screen when I do the following: - Set local option 'Act as CVS-server' - Stop/restart SUREforWindows, it runs now in hidden CVS-mode - Rightclick on the SURE-icon in the system-tray and select 'Show browser'				
Solution: Actually the right pane takes up the entire browser area because the left pane is created from a hidden window. Changed calculations to assume a standard client rectangle when the browser is started hidden.				
TASK-0045-SURE	Received Reported by Type Severity Probability	27-Aug-2013 ITSforSURE ERROR MODERATE POSSIBLE	SOLVED	18-Sep-2013 at 90
"Show changes between Repository version and unknown MCP version" fails under Query node				
Solution: Query node uses key data differently. Skip it while searching for proper user/pack data.				
TASK-0046-SURE	Received Reported by Type	03-Sep-2013 RVA ERROR	SOLVED	03-Sep-2013 at 90, 80

Task	Status		Date ready	Release
	Severity Probability	MINOR CERTAIN		
	A specify on button [Check Compile Impact] on the Task-transfer screen puts the linked sources in the compile-queue. This should not be done			
TASK-0047-SURE	Received Reported by Type Severity Probability	03-Sep-2013 ANDIMA ERROR MODERATE POSSIBLE	SOLVED	03-Sep-2013 at 90, 80
	VB-task-screen: You cannot change the value of field 'Temporary Employee Function' after you pressed the [Apply] button.			
TASK-0049-SURE	Received Reported by Type Severity Probability	11-Sep-2013 PRODESP ERROR SEVERE RARE	SOLVED	16-Sep-2013 at 90, 80
	For some sources the Examine-program finds no references to other files. For example the database and datasets are not recognized			
Solution:	The problem was caused by the usage of the words 'MOVE' or 'PERFORM' or 'IF' in a comment entry in the IDENTIFICATION DIVISION of a COBOL74 program.			
	Details:			
	The Cobol74 manual describes the identification division as follows:			
	IDENTIFICATION DIVISION.			
	[PROGRAM-ID. program-name.]			
	[AUTHOR. [comment-entry]]			
	[INSTALLATION. [comment-entry]]			
	[DATE-COMPILED. [comment-entry]]			
	[DATE-WRITTEN. [comment-entry]]			
	[SECURITY. [comment-entry]]:			
	Comment-entry = The comment-entry can be any combination of characters from the character set of the computer. The continuation of the comment-entry by the use of the hyphen in the indicator area is not permitted; however, the comment-entry can be contained in one or more lines.			

	In the source where the fault occurred was a comment-entry under the statement SECURITY, and this comment-entry was indeed written over multiple lines.			
	The problem was that RESPECT/SURE/EXAMINE recognized comment-lines only as comment if there was a '*' or '/' (the regular comment indicators) in column 7.			
	In the case of this comment-entry there was no '*' or '/' at column 7 of those lines, and therefore the comment lines were not skipped. One of the lines of the comment-entry contained the word 'MOVE'. This caused the examine program to treat the remainder of the source as 'statements of the procedure division'. And therefore the DATA-BASE			

Task			Status	Date ready	Release
SECTION was not recognized anymore.					

The solution: Comment-entries in the IDENTIFICATION DIVISION are now skipped by the Examine program, so that reserved Cobol words that are used in the comment won't jeopardize the scanning process.					

TASK-0050-SURE	Received Reported by Type Severity Probability	11-Sep-2013 ITSforSURE ERROR MINOR RARE	SOLVED	11-Sep-2013	at 90, 80
A newly declared Object-Server does not appear in the drop-down list					
Solution:	This was a cashing problem. After a stop/restart of SUREforWindows the value was available in the drop-down box. This cashing problem is now also solved.				
TASK-0051-SURE	Received Reported by Type	12-Sep-2013 ANDIMA FEATURE	SOLVED	25-Sep-2013	at 90, 80
Make it possible to define a post-compile-job for local compilations					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0052-SURE	Received Reported by Type Severity Probability	19-Sep-2013 ITSforSURE ERROR MINOR RARE	SOLVED (already-done)	13-Dec-2013	at 90, 70, 80
When creating a brand new repository, the system-language is not set.					
TASK-0053-SURE	Received Reported by Type Severity Probability	19-Sep-2013 PRODESP ERROR MINOR POSSIBLE	SOLVED	19-Sep-2013	at 90, 80
In a repository with 2 environments the calculation of the new FileVersion-number goes wrong					
TASK-0054-SURE	Received Reported by Type	20-Sep-2013 ITSforSURE IMPROVEMENT	SOLVED	21-Sep-2013	at 90, 80
Put a file in the compile-queue when it is renamed, or if a rename action is transferred to the next environment.					

Task	Status			Date ready	Release
Solution: This enforces that the renamed file becomes available as renamed object.					
TASK-0055-SURE	Received Reported by Type Severity Probability	20-Sep-2013 SNS ERROR MODERATE POSSIBLE	SOLVED (already-done)	20-Sep-2013	at 90, 80
Function 'rename file': the rename is only executed in DEVELOP, not in the other environments					
Solution: This could happen when multiple actions (rename or other) were linked to one task					
TASK-0056-SURE	Received Reported by Type	21-Sep-2013 ITSforSURE IMPROVEMENT	SOLVED	21-Sep-2013	at 90, 80
When a task is transferred that contains a removed file the following message appears: <file> will be transferred for the first time to <destination environment> This message is confusing					
TASK-0058-SURE	Received Reported by Type	25-Sep-2013 ITSforSURE IMPROVEMENT	SOLVED	25-Sep-2013	at 90, 80
Fix confusing error messages when creating a new task. For example: if you don't enter the field 'Environment' and use a task-type without a default environment then you get the message 'Please enter this field' without the indication which field.					
TASK-0059-SURE	Received Reported by Type Severity Probability	25-Sep-2013 ITSforSURE ERROR SEVERE POSSIBLE	SOLVED	25-Sep-2013	at 90, 80
Program abort with 'requested memory too large' during impact analysis					
TASK-0060-SURE	Received Reported by Type	25-Sep-2013 BBL IMPROVEMENT	SOLVED	26-Sep-2013	at 90, 80
Memory pages are not always released after a crash of RIS/MENU					
TASK-0062-SURE	Received	27-Sep-2013	SOLVED	28-Sep-2013	at 90, 80

Task	Status		Date ready	Release
	Reported by Type	SNS FEATURE		
	New print function to count the content of dataset DINFO			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0063-SURE	Received Reported by Type	28-Sep-2013 SNS IMPROVEMENT	SOLVED	28-Sep-2013 at 90, 80
	Function 'Clean-up old run-information' is moved to program in RESPECT/SURE/MATCH, as part of other clean-up functions			
Solution:	RESPECT/SURE/MATCH contains more clean-up functions. These functions are executed on each 5th day of the year.			
TASK-0065-SURE	Received Reported by Type	01-Oct-2013 UOFW FEATURE	SOLVED	01-Oct-2013 at 90, 80
	Create a batch function to copy a file with origin PC (like an XML-file) from the SURE-repository to MCP-disk, where an MCP-program can use it. The file must have FILESTRUCTURE = STREAM			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0066-SURE	Received Reported by Type Severity Probability	07-Oct-2013 ITSforSURE ERROR MODERATE RARE	SOLVED	09-Oct-2013 at 90, 80
	Check-out: If the local-source-directory contains an old version of the source and an unknown version of the source is resident in the Cande-work-directory, and option 'override file on Server' is not enabled, then the version in the local-source-directory is not updated. This may lead to problems when the source is checked-in.			
TASK-0067-SURE	Received Reported by Type Severity Probability	18-Oct-2013 ITSforSURE ERROR MODERATE POSSIBLE	SOLVED	18-Oct-2013 at 90, 80
	The browse on delta-files that is used in the Eclipse-interface does not return the complete list in the higher environments.			
	The response in the lowest environment is correct.			
TASK-0068-SURE	Received Reported by	18-Oct-2013 ITSforSURE	SOLVED	18-Oct-2013 at 90, 80

Task	Status		Date ready	Release
	Type	ERROR		
	Severity	MODERATE		
	Probability	POSSIBLE		
	Maintenance via patch-files: the check on patchfile-conflicts at task-transfer does not work.			
TASK-0069-SURE	Received	18-Oct-2013	SOLVED	18-Oct-2013 at 90, 80
	Reported by	ITSforSURE		
	Type	ERROR		
	Severity	MINOR		
	Probability	RARE		
	The FileVersion number of a PC-file is wrongly calculated if the repository has only 1 environment. The calculated numbers are 1.2 --> 2.2 --> 3.2 --> etc. and they should be 1.1 --> 2.1 --> 3.1 --> etc.			
TASK-0070-RFW	Received	18-Oct-2013	SOLVED	04-Dec-2013 at 90
	Reported by	ITSforSURE		
	Type	FEATURE		
	Enhance configurability of file transfer. 1. Option to empty the FileXfer queue on start-up. 2. Option to control tracing of FTP messages.			
TASK-0072-SURE	Received	31-Oct-2013	SOLVED	31-Oct-2013 at 90, 80
	Reported by	BBL		
	Type	IMPROVEMENT		
	Let library RIS/API/LIB freeze via a control procedure			
Solution:	<ul style="list-style-type: none"> - RIS/API/LIB freezes permanent. This library keeps reposition pointers for the browses in the SUREforWindows. - In the case of a short (less than 30 minutes) DISABLE/ENABLE of the RIS/API program, the library will stay alive and the reposition pointers are kept. - If RIS/API/LIB is not accessed by any program for 30 minutes the freeze changes to TEMPORARY. This happens during the night. - When you give a <mix>HI 99 or <mix>THAW on RIS/API/LIB the freeze changes to TEMPORARY - After an HI or 30 minutes check: when RIS/API/LIB is frozen temporary, and there are no programs using the library then it goes to end-of-task. 			
TASK-0073-SURE	Received	04-Nov-2013	SOLVED	17-Mar-2014 at 90, 80
	Reported by	CEDAE		
	Type	ERROR		
	Severity	MINOR		
	Probability	LIKELY		
	The drop down box of field 'Language' on the User screen returns 'No values in this list'. It should give 'English'			

Task	Status		Date ready	Release
TASK-0074-SURE	Received Reported by Type	12-Nov-2013 UOFW FEATURE	SOLVED	12-Nov-2013 at 90, 80
View via NxEdit. Allow a non-privileged user to view a file on another SURE-environment if that environment has another work-usercode as the default environment, and NxEdit is already logged on with the work-usercode of the default SURE environment				
Solution:	This was previously not possible because the file was placed on disk with SECURITYTYPE = PRIVATE. That is changed to PUBLIC which makes the file available for NxEdit.			
TASK-0075-SURE	Received Reported by Type	13-Nov-2013 CEDAE FEATURE	SOLVED	19-Nov-2013 at 90, 80
Support for dollar-option AUTOBIND in an ALGOL program.				
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0076-SURE	Received Reported by Type	16-Nov-2013 CEDAE FEATURE	SOLVED	18-Nov-2013 at 90, 80
Improve function 'Validate new filename according to naming-standard'				
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0077-SURE	Received Reported by Type	18-Nov-2013 ITSforSURE IMPROVEMENT	SOLVED	18-Nov-2013 at 90, 80
In the case that a newly entered file name does not meet the naming-standard formula the exact reason is not show. It only gives the error message 'Error in naming standard' and not the reason. Extend the error message so that the user knows what to do.				
Solution:	The reason is now also given in the error message.			
TASK-0078-SURE	Received Reported by Type	21-Nov-2013 BBL IMPROVEMENT	SOLVED	21-Nov-2013 at 90, 70, 80
Make it possible to add new values for field 'Next release' on the task-screen of RIS/MENU. The current situation that valid values must be pre-defined via a drop-down-list is unhandy.				
Solution:	Use function EXT in the task screen of RIS/MENU to modify the Release. If an unknown release is entered a 'request for verification' is given to avoid type errors.			

Task			Status	Date ready	Release
TASK-0079-SURE	Received Reported by Type Severity Probability	23-Nov-2013 CEDAE ERROR MODERATE POSSIBLE	SOLVED	23-Nov-2013	at 90, 80
In the list with print-requests, some of those requests have an invalid time stamp					
TASK-0080-SURE	Received Reported by Type	25-Nov-2013 ITSforSURE FEATURE	SOLVED	16-Dec-2013	at 90
Add an extra option at RESPECT/SURE/FINISH to update only the object with release-id and MP commands					
Solution:	The railroad diagram of the parameter is now: ---- [UPDATEOBJECT] ---<source-name>-----				
TASK-0081-SURE	Received Reported by Type	25-Nov-2013 ITSforSURE FEATURE	SOLVED	27-Nov-2013	at 90, 70, 80
Create a function in RESPECT/TOOLS to generate the releaseid input for RESPECT/SURE/FINISH					
Solution:	RUN RESPECT/TOOLS("CREATE-RISADD-RELEASEID")				
TASK-0083-SURE	Received Reported by Type Severity Probability	28-Nov-2013 BBL ERROR SEVERE POSSIBLE	SOLVED	04-Dec-2013	at 90, 70, 80
Loop in RIS/MENU in the case that the program is running via a COMS-window.					
TASK-0084-SURE	Received Reported by Type Severity Probability	30-Nov-2013 ITSforSURE ERROR MINOR CERTAIN	SOLVED	30-Nov-2013	at 90, 80
The task-type screen is too wide, and there is a strange button in the table on the second tab.					
TASK-0085-SURE	Received Reported by Type	04-Dec-2013 ITSforSURE IMPROVEMENT	SOLVED	11-Sep-2014	at 90, 60, 70, 80
Compile SURE software with MCP-561 compilers					

Task	Status		Date ready	Release
TASK-0086-SURE	Received Reported by Type	05-Dec-2013 CEDAE IMPROVEMENT	SOLVED	06-Dec-2013 at 90, 80
Support local editing (on the Windows platform) of MCP-files with reserved Windows-names in the filename (like CON).				
Solution:				
MCP-files with a Windows-reserved word in the filename cannot be downloaded to Windows. An example of such a filename is PROG/CON/A, because Windows does not support a directory with the name CON.				
The solution is that we add three underscored behind the directory-name on Windows. So, MCP source PROG/CON/A corresponds with Windows file \PROG\CON___\A.C74				
The solution is implemented for the following invalid Windows-nodes: CON, PRN, AUX, NUL, COM1, COM2, COM3, COM4, COM5, COM6, COM7, COM8, COM9, LPT1, LPT2, LPT3, LPT4, LPT5, LPT6, LPT7, LPT8, and LPT9				
TASK-0087-SURE	Received Reported by Type	09-Dec-2013 ITSforSURE FEATURE	SOLVED	17-Mar-2014 at 90
Make it possible to define MCP-files as input for the PC-build				
Solution:				
See the task explanation form or the task attachment in SURE for detailed information				
TASK-0088-SURE	Received Reported by Type	12-Dec-2013 ITSforSURE IMPROVEMENT	SOLVED	12-Dec-2013 at 90
Check SURE reports under Windows-7 and MS-Word 2010				
Solution:				
Checks done: everything works good				
TASK-0091-SURE	Received Reported by Type Severity Probability	27-Dec-2013 CEDAE ERROR MINOR POSSIBLE	SOLVED	27-Dec-2013 at 90, 80
Function 'new file': the check on a name-standard (see TASK-0076-SURE) is not done if field 'Local Edit' is disabled				
Solution:				
The check is now always done				
TASK-0092-SURE	Received Reported by Type	11-Jan-2014 ITSforSURE IMPROVEMENT	SOLVED	11-Jan-2014 at 90
SURE Rename: put a renamed file only in the compile queue of an environment if the source exists on that environment.				

Task	Status		Date ready	Release
TASK-0094-SURE	Received Reported by Type	30-Jan-2014 UOFW IMPROVEMENT	SOLVED	01-Feb-2014 at 90, 80
Write an example program for UW				
TASK-0095-SURE	Received Reported by Type	31-Jan-2014 ITSforSURE IMPROVEMENT	SOLVED	17-Mar-2014 at 90
Implement Logoff transaction to clean-up temporary storage at backend.				
<p>Solution:</p> <p>The SURE Browser will now send a Logoff transaction on exit. This transaction cleans up temporary storage at the SURE server. Sending the transaction is by default disabled through the INI file, setting [SURE]LOGOFF=FALSE</p> <p>The log-off transaction is by default disabled, because it has unwanted side effects</p>				
TASK-0096-SURE	Received Reported by Type	04-Feb-2014 CSI FEATURE	SOLVED	07-Apr-2014 at 90, 80
Add support for files with filekind CSEQDATA				
<p>Solution:</p> <p>Unisys implemented filekind CSEQDATA with a 5-digit sequence number and text beginning on position 7. So position 6 is not used. See paragraph _FILEKIND_ of the Unisys File-attributes manual. We agreed with CSI that SURE handles CSEQDATA files with a 6-digit sequence number. So position 6 is added to the sequence number.</p>				
TASK-0097-SURE	Received Reported by Type	05-Feb-2014 CSI FEATURE	SOLVED	17-Mar-2014 at 90, 80
Implement support for MCP filekind CSEQDATA.				
<p>Solution:</p> <p>Unisys implemented filekind CSEQDATA with the 5-digit sequence number and text beginning on position 7. So position 6 is not used. See paragraph _FILEKIND_ of the Unisys File-attributes manual. We agreed with CSI that SURE handles CSEQDATA files with a 6-digit sequence number. So position 6 is added to the sequence number.</p>				
TASK-0098-SURE	Received Reported by Type	06-Feb-2014 ITSforSURE FEATURE	SOLVED	17-Mar-2014 at 90, 80
Add support for files with filekind CSEQDATA				

Task			Status	Date ready	Release
TASK-0099-SURE	Received Reported by Type Severity Probability	12-Feb-2014 ITSforSURE ERROR MODERATE POSSIBLE	SOLVED	17-Mar-2014	at 90
Compile Interface screen: Consecutive calls to Log Info for different files will show log for same file.					
TASK-0100-SURE	Received Reported by Type	13-Feb-2014 ITSforSURE IMPROVEMENT	SOLVED	17-Mar-2014	at 90
Support two modes for the format handling for multiple errors: 1. Server sends lines of text with embedded CRLF; client concatenates these without inserting CRLFs of its own. 2. Server sends plain lines of text; client inserts CRLFs between lines.					
Solution:	The result is that SURE can return error messages with more details				
TASK-0101-SURE	Received Reported by Type Severity Probability	24-Feb-2014 BBL ERROR MAJOR RARE	SOLVED	01-Mar-2015	at 90, 70, 80
A compile with multiple threats and with 'multi objects' mixed up the correct source and objects when the 'multi-object' compilations run simultaneously					
TASK-0104-SURE	Received Reported by Type Severity Probability	18-Mar-2014 ITSforSURE ERROR MODERATE CERTAIN	SOLVED	28-Mar-2014	at 90
File / directory choice buttons on Sure Options dialog do not work.					
TASK-0105-RIS	Received Reported by Type	19-Mar-2014 ITSforSURE FEATURE	SOLVED	07-Nov-2014	at 90
SURE backend on Windows					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0107-SURE	Received Reported by	31-Mar-2014 ITSforSURE	SOLVED	11-Apr-2014	at 90

Task	Status		Date ready	Release
	Type	IMPROVEMENT		
	<p>Show message boxes on top of an Interrupt window.</p> <p>Message boxes displayed on a SURE dialog, when an Interrupt window is visible, should be displayed modal to this Interrupt window, not the dialog.</p>			
Solution:	<p>In some cases it was possible that a message box became hidden on the desktop behind another SURE-screen. You had to move the other screen to another place on the desktop to make the message box visible again, and to be able to press on the [OK] button. But that was not always obvious and users sometimes had to kill SUREforWindows and restart it before they could continue with their work.</p> <p>This is now fixed at all places where we could find it.</p>			
TASK-0108-RFW	Received Reported by Type	03-Apr-2014 ITSforSURE IMPROVEMENT	SOLVED	08-May-2014 at 90
	Extra test to run SUREforWindows on Windows-7			
Solution:	Some source changes for moving WINVER from 0x500 to 0x600 (preparing to leave XP) and fix a compatibility issue on the download-MCP-file dialog with Windows-7			
TASK-0109-SURE	Received Reported by Type Severity Probability	07-Apr-2014 CSI ERROR SEVERE POSSIBLE	SOLVED	08-Apr-2014 at 90, 80
	Invalid integer when updating fields on the system-properties screen			
Solution:	The error was caused by the text in field _Family substitution_.			
TASK-0110-SURE	Received Reported by Type	07-Apr-2014 CSI IMPROVEMENT	SOLVED	08-Apr-2014 at 90, 80
	New Option: Mark-id in cobol-files without the ' '			
Solution:	<p>The advantage of the ' ' character as the first character of the mark-id is that it makes the mark-id clearly visible on source listings. However, today sources are not very often printed anymore, and that makes the ' ' less useful.</p> <p>Add the following relation to enable the option to suppress the ' ' in the markid:</p> <pre>Environment = <global> Group = OPTION Owner = OPTION Class = ALL Asset = MARKID</pre>			
TASK-0113-XX	Received Reported by Type	25-Apr-2014 ITSforSURE FEATURE	SOLVED	08-May-2014 at 90

Task			Status	Date ready	Release
SURE backend on Windows: New function: reset password of a user					
Solution:	Rightclick on the username => Reset password				
TASK-0114-SURE	Received Reported by Type	29-Apr-2014 ITSforSURE FEATURE	SOLVED	08-May-2014	at 90
SURE backend on Windows: Function Reset Password					
Solution:	This function cannot use the userdatafile, because the back-end runs on Windows and not on MCP. Therefore we save the password scrambled at a hidden place in the repository. The first time a user logs on he has not yet password, and then he must choose one.				
TASK-0115-SURE	Received Reported by Type	30-Apr-2014 ANDIMA IMPROVEMENT	SOLVED	01-May-2014	at 90, 70, 80
If the repository is moved to another MCP-host (with another name) then it is not possible to check-in files that were checked-out on the old host.					
Solution:	SURE gives now a verification warning that the source was checked-out on another host. You can override the warning to continue the check-in.				
TASK-0118-SURE	Received Reported by Type Severity Probability	15-May-2014 BBL ERROR SEVERE RARE	SOLVED	11-Sep-2014	at 90, 80
A file was checked-out at two workstations at the same time. One of them could not check-in					
Solution:	We added a fix to prevent the double check-out.				
TASK-0119-SURE	Received Reported by Type	19-May-2014 BBL FEATURE	SOLVED	09-Aug-2015	at 90, 80
The COPY and RELATE commands are now logged in SURE					
Solution:	This patch requires that programs OBJECT/RIS/MENU, OBJECT/RIS/API/DRIVER, OBJECT/RIS/API/LFI/99 and OBJECT/RESPECT/PRINT are all reinstalled with a creation date after than the solution date of this task. See the task explanation form or the task attachment in SURE for detailed information				
TASK-0122-SURE	Received Reported by Type	23-May-2014 ITSforSURE IMPROVEMENT	SOLVED	25-May-2014	at 90
Do not return an error message at an empty browse, but just an empty browse					

Task	Status		Date ready	Release
Solution:	This was necessary for a smooth automatic flow in the SUREforWindows batch functions: 'Build server' and 'Load PC-files'			
TASK-0124-SURE	Received Reported by Type	04-Jun-2014 ITSforSURE IMPROVEMENT	SOLVED	16-Jun-2014 at 90
	Integrate RIS/Datamodel browser into SURE browser.			
TASK-0125-SURE	Received Reported by Type Severity Probability	12-Jun-2014 ITSforSURE ERROR MINOR CERTAIN	SOLVED	12-Jun-2014 at 90, 80
	Fix syntax error 'program segment too large' in MCP57			
TASK-0126-SURE	Received Reported by Type Severity Probability	17-Jun-2014 BBL ERROR SEVERE POSSIBLE	SOLVED	17-Jun-2014 at 90
	Program RESPECT/SURE/MATCH aborts with END-OF-PAGE error			
TASK-0127-SURE	Received Reported by Type	20-Jun-2014 PRODESP FEATURE	SOLVED	18-Jul-2014 at 90, 80
	Make a new program with various task overviews			
Solution:	The source name is RESPECT/SURE/PRODESP. See the task explanation form or the task attachment in SURE for detailed information			
TASK-0129-SURE	Received Reported by Type	26-Jun-2014 ITSforSURE IMPROVEMENT	SOLVED	05-Oct-2014 at 90
	Upgrade the Task Maintenance program from VB6 to VB.Net			
TASK-0132-SURE	Received Reported by Type	15-Jul-2014 BANCOSAENZ FEATURE	SOLVED	18-Jul-2014 at 90, 70, 80

Task	Status	Date ready	Release
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Make it possible to use procedure "Request + Assign followed by Check-out" at maintenance via patch-files

TASK-0139-SURE	Received Reported by Type	07-Aug-2014 BANCOSAENZ IMPROVEMENT	SOLVED	07-Aug-2014	at 90, 70, 80
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Write an indication on the compile-overview (R/S/COMPILE) when a source has patch-files

TASK-0142-RIS	Received Reported by Type	13-Aug-2014 WUH FEATURE	SOLVED	13-Aug-2014	at 90, 80
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Make it possible to put a single file in the delivery queue by giving it a special relation. DUMP-REPOSITORY will select and dump all files with that relation, and the relation will be removed afterwards.

Solution: This is implemented in RIS/MENU.

TASK-0143-RIS	Received Reported by Type	13-Aug-2014 SNS IMPROVEMENT	SOLVED	20-Aug-2014	at 90
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Make function 'DUMP/LOAD task' possible between an 80-repository and a 90-repository

Solution: The way how files and tasks are loaded in an 80-repository differs from the way how they are loaded in a 90-repository.
When an 80-repository is upgraded to release 90, then various data-conversions are executed. The same data-conversions are done during a DUMP/LOAD from an 80-repository to 90, or vice-versa.

TASK-0144-SURE	Received Reported by Type Severity Probability	15-Aug-2014 ITSforSURE ERROR SEVERE POSSIBLE	SOLVED	18-Aug-2014	at 90
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Invalid exponent when opening the environment properties

TASK-0145-RIS	Received Reported by Type	19-Aug-2014 ITSforSURE IMPROVEMENT	SOLVED	19-Aug-2014	at 90, 80
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Batch function load/dump repository: skip the log-info

TASK-0150-SURE	Received Reported by	21-Aug-2014 ITSforSURE	SOLVED	21-Aug-2014	at 90
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Task	Status		Date ready	Release
	Type	IMPROVEMENT		
	Change Edit Information dialog to word wrap instead of horizontal scroll.			
Solution:	The variable test screen (Right click ==> Information, et cetera) behaves now the same as Notepad with option 'Word wrap' enabled. The only difference with Notepad is that you cannot adjust the width of the screen.			
TASK-0151-SURE	Received Reported by Type	22-Aug-2014 ITSforSURE FEATURE	SOLVED	26-Sep-2014 at 90
	Support Task-deliver function in SUREforWindows			
	Controls	TASK-0155-XX	New function 'Task dump queue'	
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0152-SURE	Received Reported by Type	24-Aug-2014 ITSforSURE IMPROVEMENT	SOLVED	24-Aug-2014 at 90, 80
	Function 'Task New': if the new taskname is automatically determined via a naming-standard formula but that name exists already in the repository, then skip to the next name and don't give the error message 'This name exists already'.			
Solution:	Previously you had to manually repeat function 'Add new task' until the function found an entirely new name.			
TASK-0154-SURE	Received Reported by Type	29-Aug-2014 ITSforSURE FEATURE	SOLVED	05-Oct-2014 at 90
	New function 'Batch load PC-files'			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0155-XX	Received Reported by Type	01-Sep-2014 ITSforSURE FEATURE	SOLVED	26-Sep-2014 at 90
	New function 'Task dump queue'			
	Dependent of	TASK-0151-SURE	Support Task-deliver function in SUREforWindows	
Solution:	See TASK-0151-SURE for details			
TASK-0156-XX	Received Reported by Type	01-Sep-2014 ITSforSURE FEATURE	SOLVED	18-Feb-2015 at 90
	New function 'Task Life Cycle dashboard'			

Task	Status	Date ready	Release
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Solution: See the task explanation form or the task attachment in SURE for detailed information

TASK-0160-SURE	Received Reported by Type Severity Probability	08-Sep-2014 SNS ERROR MINOR POSSIBLE	SOLVED	08-Sep-2014	at 90, 80
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The old run-info statistics are not cleaned up if program RESPECT/SURE/MATCH has already ran for another SURE-environment on the same day.

TASK-0161-SURE	Received Reported by Type Severity Probability	09-Sep-2014 WUH ERROR MINOR POSSIBLE	SOLVED	09-Sep-2014	at 90
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Loop in RESPECT/PRINT("TASK-OVERVIEW SORT-BY-SYSTEM")

TASK-0162-SURE	Received Reported by Type Severity Probability	10-Sep-2014 BBL ERROR MAJOR CERTAIN	SOLVED	15-Sep-2014	at 90, 60, 70, 80
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Unisys made a DMSII patch in version DMSII-055.1A.32, where multiple opens of the same database via different declarations in a library will be rejected. It gives the new OPENERROR 118: Multiple opens of the same database via different declarations in a library is not allowed.).

As a result of this Unisys patch, SUREforWindows gets DMOPENERROR 118 at function Check-in.

Solution: The access to the second declared database is eliminated in library-mode.

TASK-0164-SURE	Received Reported by Type	16-Sep-2014 ITSforSURE IMPROVEMENT	SOLVED	25-Sep-2014	at 90
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Show information about the MCP-release and the Windows-release on the Help => About screen

Solution: See also task SURE-1909

TASK-0165-RFW	Received Reported by Type Severity Probability	18-Sep-2014 ITSforSURE ERROR SEVERE RARE	SOLVED	19-Sep-2014	at 90
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Compile Interface: the list-screen with 22 file in the compile-queue blocks if the vertical scroll-bar is dragged to the

Task			Status	Date ready	Release
bottom (under Windows-7). It happens only if there are 22 file in the list. The screen is released when you click on another window or on the Windows-task-bar.					
Solution:	Prevent browse output formats from being able to add one line without resizing.				
TASK-0170-SURE	Received Reported by Type Severity Probability	22-Sep-2014 ITSforSURE ERROR MODERATE POSSIBLE	SOLVED	09-Oct-2014	at 90
Function Compile Interface gives an error when a detail list is opened while another detail list is still opened. After that you cannot close the detail windows anymore.					
TASK-0171-SURE	Received Reported by Type	23-Sep-2014 UNISYS FEATURE	SOLVED	23-Sep-2014	at 90, 80
RESPECT/SURE/LOAD: create also a full delta file for MCP data files with file-type options 'Is binary file' and 'Delta files enabled'. Make it possible to view previous versions of MCP data files via function Delta files => View version					
Solution:	If a new version of an MCP file with filekind DATA is loaded, and the data file has a file-type with options 'Is binary file' and 'Delta files enabled', then the previous version of the data file is changed in SURE to a delta file.				
TASK-0173-SURE	Received Reported by Type	26-Sep-2014 ITSforSURE FEATURE	SOLVED	26-Sep-2014	at 90
Review function 'Load directory of PC files in SURE'					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0176-SURE	Received Reported by Type	07-Oct-2014 UOFW FEATURE	SOLVED	25-Nov-2014	at 90
New: support for file attribute PRODUCT					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0177-SURE	Received Reported by Type	07-Oct-2014 UOFW FEATURE	SOLVED	11-Nov-2014	at 90
New: support for file attribute NOTE					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				

Task	Status		Date ready	Release
TASK-0178-SURE	Received Reported by Type	07-Oct-2014 UOFW FEATURE	SOLVED	18-Nov-2014 at 90
Review the support for the MP command				
Solution: See the task explanation form or the task attachment in SURE for detailed information				
TASK-0179-SURE	Received Reported by Type Severity Probability	30-Oct-2014 ITSforSURE ERROR SEVERE POSSIBLE	SOLVED	24-Nov-2014 at 90, 80
Security leak at function Toolbar => File => Log-on				
TASK-0181-RIS	Received Reported by Type	05-Nov-2014 WUH IMPROVEMENT	SOLVED	05-Nov-2014 at 90, 80
Improve function to set and display the repository version				
Solution: Previously the 80.3 release was previously displayed as 8.0 in RIS/MENU.				
TASK-0182-SURE	Received Reported by Type	05-Nov-2014 ITSforSURE IMPROVEMENT	SOLVED (already-done)	05-Nov-2014 at 90, 80
Create the default INFDB description file for DMS release 571				
TASK-0184-SURE	Received Reported by Type Severity Probability	07-Nov-2014 ITSforSURE ERROR MODERATE RARE	SOLVED	07-Nov-2014 at 90, 80
Examine goes wrong for MCP files with quotes or spaces in the file name.				
TASK-0187-SURE	Received Reported by Type Severity Probability	20-Nov-2014 UOFW ERROR MAJOR RARE	SOLVED	21-Nov-2014 at 90
RESPECT/SURE/COMPILE crashed with invalid index, caused by an unexpected high MYSELF.TASKVALUE				

Task			Status	Date ready	Release
Solution: Changes of MYSELF.TASKVALUE to an invalid value are now ignored					
TASK-0188-SURE	Received Reported by Type	21-Nov-2014 ANDIMA IMPROVEMENT	SOLVED	21-Nov-2014	at 90, 80
Compile Interface command Purge Queue: remove also compile-status syntax/abort if the source has no object-location (and therefore it will not be recompiled in the future).					
Solution: This keeps the Compile Interface clean. If a source does not have to be compiled anymore then it does not make sense to keep an old error file.					
TASK-0189-SURE	Received Reported by Type Severity Probability	24-Nov-2014 ITSforSURE ERROR MAJOR RARE	SOLVED	24-Nov-2014	at 90
Invalid index at function 'Reprocess QuickFix' on a C++ file					
TASK-0191-SURE	Received Reported by Type Severity Probability	28-Nov-2014 ITSforSURE ERROR NEGLIGIBLE CERTAIN	SOLVED	29-Nov-2014	at 90
Fix small typos in error messages					
TASK-0193-SURE	Received Reported by Type	11-Dec-2014 ANDIMA IMPROVEMENT	SOLVED	06-Jan-2015	at 90, 80
Report in the SURE-log when a logically deleted file is physically deleted					
Solution: This happened in the case that a file was logically deleted in all environments and that the logical deleted file was expired and purged by RESPECT/SURE/MATCH					
The following is now logged: - Remove file logically for 1 environment is added to the log of the file - Remove file logically for all environments is added to the log of the file and to the global SURE log - Purge file for 1 environment is added to the log of the file and to the global SURE log - Purge file for all environments is added to the global SURE log - Purge expired logical deleted file (by RESPECT/SURE/MATCH) is added to the global SURE log for each environment.					
TASK-0194-SURE	Received	11-Dec-2014	SOLVED (works-as-intended)	05-Jan-2015	at 90

Task	Status		Date ready	Release
	Reported by Type	WUH FEATURE		
	Function 'Delete Directory': the directory is not removed if it contains deleted files			
Solution:	This works as intended. If a directory contains a logically deleted file, then that filename remains visible until it is physically deleted (via RESPECT/SURE/MATCH or via function 'Purge File')			
TASK-0195-SURE	Received Reported by Type Severity Probability	11-Dec-2014 SNS ERROR MAJOR RARE	SOLVED (DENIED)	01-Jun-2015 at 90
	Program RESPECT/SURE/AIXLOG crashes at SNS			
Solution:	This was caused by an invalid input file			
TASK-0196-SURE	Received Reported by Type Severity Probability	11-Dec-2014 ITSforSURE ERROR MINOR RARE	SOLVED	29-Jan-2015 at 90
	Upgrade release 80 to 90 crashes (in case of a new repository)			
TASK-0197-SURE	Received Reported by Type Severity Probability	11-Dec-2014 SNS ERROR SEVERE POSSIBLE	SOLVED	07-Jan-2015 at 90
	SURE backend on Windows: A MultiRelate with query followed by a MultiRelate without query causes a crash			
Solution:	This was caused by a resize of an array to length 0			
TASK-0198-SURE	Received Reported by Type Severity Probability	11-Dec-2014 SNS ERROR MODERATE POSSIBLE	SOLVED (not-reproducible)	02-Jan-2015 at 90
	SURE backend on Windows: Function 'Relations => Delete relation' does not always work			
Solution:	This was caused by the inconsistency of the NO-NORMALIZE-bit in the REL_TIME			
TASK-0199-SURE	Received Reported by	11-Dec-2014 SNS	SOLVED	12-Jan-2015 at 90

Task	Status		Date ready	Release
	Type	ERROR		
	Severity	SEVERE		
	Probability	POSSIBLE		
	SURE backend on Windows: MCP-file-types are mixed up with PC-file-types			
TASK-0202-SURE	Received Reported by Type Severity Probability	11-Dec-2014 SNS ERROR SEVERE RARE	SOLVED (not-reproducible)	12-Jan-2015 at 90
	SURE backend on Windows: Load directory of files: sometimes the file is not loaded (it was first Purged)			
Solution:	The file that was purged or removed is now handled the same as a new file			
TASK-0203-SURE	Received Reported by Type Severity Probability	11-Dec-2014 SNS ERROR SEVERE RARE	SOLVED	11-Jan-2015 at 90
	SURE backend on Windows: the batch starts sometimes under an unexpected usercode. It should be ACCEPT but it was TEST901.			
TASK-0207-SURE	Received Reported by Type	16-Dec-2014 ITSforSURE IMPROVEMENT	SOLVED	07-Jan-2015 at 90
	Make SURE SCC-interface compatible with Windows-7			
Solution:	Copy the following DLL's from the RIS\BIN-directory to the Windows\System32 directory and to the Windows\SysWOW64 directory: - mfc90.dll - msucr90.dll - msvcp90.dll			
TASK-0209-SURE	Received Reported by Type	07-Jan-2015 ITSforSURE FEATURE	SOLVED	07-Jan-2015 at 90
	Function 'Select File' in SUREforWindows: make it possible to select a file which is purged in the active environment but still available in the other environments.			
Solution:	When you want to select a purged file, then you have to enter the complete file-name (case sensitive) on the 'Select File' screen			
TASK-0210-SURE	Received	07-Jan-2015	SOLVED	07-Jan-2015 at 90

Task	Status		Date ready	Release
	Reported by	SNS		
	Type	ERROR		
	Severity	MODERATE		
	Probability	POSSIBLE		
	SURE backend on Windows: the 'done-expired' filter in the task-lifecycle-dashboard does not work			
TASK-0211-SURE	Received	09-Jan-2015	SOLVED	09-Jan-2015 at 90
	Reported by	ITSforSURE		
	Type	FEATURE		
	If file-type option 'Last node is ID for copy-file' is changed, then check all the files with this file-type and change the LAST-NODE key where necessary.			
Solution:	If the file-type was originally introduced with the wrong option, then all files with that file-type had a wrong LAST-NODE relation. This method makes it possible to repair that easily			
TASK-0213-SURE	Received	14-Jan-2015	SOLVED	14-Dec-2015 at 90, 80
	Reported by	ANDIMA		
	Type	FEATURE		
	Support for a fallback scenario, where you can fall back to a previous set of objects in the production environment			
Solution:	<p>The fallback support is implemented as a function of program RESPECT/SURE/TRANSFER, so this option is only relevant for the compile and deploy of objects to the MCP platform.</p> <p>By default, the fallback support is disabled; it can be enabled for an environment as follows:</p> <ul style="list-style-type: none"> - For a single run via run parameter WITH-FALLBACK: RUN RESPECT/SURE/TRANSFER("WITH-FALLBACK") - Permanently by adding the following relation: Environment = <environment-name> Group = OPTION Owner = SURE Class = OPTION Asset = FALLBACK <p>So, you can decide per environment if fallback support is enabled or not.</p> <p>If fallback support is enabled the following happens:</p> <ul style="list-style-type: none"> - When a new version of an object must be deployed to the object location, the previous version of that object is first copied from the object location to the fallback location. - The fallback location is determined by usercode (SUREBKP) ON <object-pack> <p>The previous object is copied to the fallback location with the date, time and original object-usercode in its name. For example:</p> <ul style="list-style-type: none"> - (SYSA)OBJECT/PRG1 is copied as (SUREBKP)yyyymm/dd/hhmmss/SYSA/OBJECT/PRG1 - *OBJECT/PRG1 is copied as (SUREBKP)yyyymm/dd/hhmmss/"*"/OBJECT/PRG1 <p>Please notice that the action "Copy a previous version of an object from the fallback-location back to the object-location" happens out of the scope of SURE and may cause inconsistencies with other objects at run time. So, this action can only be done after careful analysis.</p>			
TASK-0214-SURE	Received	15-Jan-2015	SOLVED	15-Jan-2015 at 90, 80
	Reported by	ANDIMA		

Task	Status		Date ready	Release
	Type	IMPROVEMENT		
	If function 'Delink from task' is used in the last environment (PROD) and the file is not linked to any other task, then the ASSIGNED-indication can be removed as well.			
Solution:	This removes unnecessary exclamation icons in SUREforWindows.			
TASK-0215-SURE	Received Reported by Type Severity Probability	16-Jan-2015 BBL ERROR MAJOR POSSIBLE	SOLVED	16-Jan-2015 at 90, 70, 80
	Maintenance via patch files: crash at check-in of an Algol-source if the source has MAXRECSIZE 14 instead of 15 (which is the default)			
TASK-0216-SURE	Received Reported by Type Severity Probability	16-Jan-2015 ITSforSURE ERROR MAJOR RARE	SOLVED	17-Jan-2015 at 90
	Crash in batch function LOAD-REPOSITORY when a task with an empty task-command block is loaded			
TASK-0217-SURE	Received Reported by Type	17-Jan-2015 ITSforSURE IMPROVEMENT	SOLVED	20-Nov-2015 at 90
	Local compilation of ALGOL-file: suppress the warning that is caused by dollar-option FREE, because this option is only relevant for COBOL programs			
Solution:	This requires re-generation of the SURE jobs via: environment properties => button [Generate WFL]			
TASK-0218-SURE	Received Reported by Type Severity Probability	18-Jan-2015 ITSforSURE ERROR MODERATE POSSIBLE	SOLVED	01-Nov-2015 at 90
	Concurrent check-out for PC-files does not work			
TASK-0219-SURE	Received Reported by Type Severity Probability	21-Jan-2015 BBL ERROR MAJOR POSSIBLE	SOLVED	21-Jan-2015 at 90, 70, 80

Task	Status	Date ready	Release
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Examine: a file with filekind DATA is examined, and that results in an abort

TASK-0220-SURE	Received Reported by Type Severity Probability	21-Jan-2015 WUH ERROR MINOR CERTAIN	SOLVED	21-Jan-2015	at 90, 80
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RIS/MENU => SURE: command INQ on a source does not refresh the function field

TASK-0223-SURE	Received Reported by Type	21-Jan-2015 ITSforSURE IMPROVEMENT	SOLVED	21-Jan-2015	at 90
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Review the SOLVED-IN-RELEASE relation for a task

Solution:

The SOLVED-IN-RELEASE relation is now updates as follows:

- If the task is solved in an historical environment, then SOLVED-IN-RELEASE is only added if the task does not have it yet.
- If the task is solved in the current baseline, then SOLVED-IN-RELEASE is always added or updated

TASK-0233-SURE	Received Reported by Type	05-Feb-2015 ITSforSURE FEATURE	SOLVED	11-Feb-2015	at 90
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New document: describe the available procedures in RESPECT/DEFINES

TASK-0235-SURE	Received Reported by Type Severity Probability	17-Feb-2015 WUH ERROR MAJOR RARE	SOLVED	20-Feb-2015	at 90, 80
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Loop in RESPECT/PRINT("TASK_OVERVIEW") in the overview of 'unsolved master tasks'

TASK-0237-SURE	Received Reported by Type	26-Feb-2015 SNS IMPROVEMENT	SOLVED	16-Mar-2015	at 90
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Batch function 'Load directory of PC files': Make it possible to load the files in all environments

Solution:

Via option 'AllEnvironments=TRUE' in the batch-section of the ini-file

TASK-0238-SURE	Received	01-Mar-2015	SOLVED	29-May-2015	at 90, 80
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Task	Status		Date ready	Release
	Reported by Type	ITSforSURE IMPROVEMENT		
	SUREforWindows, function Relations: make it possible to delete invalid relations that point to 'Unknown items'			
TASK-0239-SURE	Received Reported by Type	01-Mar-2015 ITSforSURE FEATURE	SOLVED	02-Mar-2015 at 90
	New parameter for RESPECT/SURE/COMPILE: NO-DEPLOY			
Solution:	RUN RESPECT/SURE/COMPILE("NO-DEPLOY") compiles the programs as usual, but does not put them in the input-queue for RESPECT/SURE/TRANSFER			
TASK-0241-SURE	Received Reported by Type Severity Probability	03-Mar-2015 ITSforSURE ERROR MODERATE RARE	SOLVED	18-Mar-2015 at 90
	Batch build does not always properly mark files as "build done".			
Solution:	This problem was introduced at release 90			
TASK-0242-SURE	Received Reported by Type Severity Probability	04-Mar-2015 ITSforSURE ERROR MINOR LIKELY	SOLVED	04-Mar-2015 at 90
	Browser node indicators not refreshed properly on delete of information.			
TASK-0243-SURE	Received Reported by Type Severity Probability	04-Mar-2015 RVA ERROR SEVERE RARE	SOLVED	18-Mar-2015 at 90, 80
	Source file with multiple objects: RESPECT/SURE/COMPILE does not handle the multi-objects correctly if the file itself does not have an object-location.			
TASK-0244-SURE	Received Reported by Type Severity Probability	05-Mar-2015 ITSforSURE ERROR MINOR RARE	SOLVED	25-Mar-2015 at 90

Task	Status	Date ready	Release
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Some name standards are not visible in RIS/MENU function 'Define name standards'

Solution: We tested and reviewed the function 'Define name standards' in RIS/MENU

TASK-0245-RIS	Received Reported by Type	05-Mar-2015 WUH IMPROVEMENT	SOLVED	05-Mar-2015	at 90, 80
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Query function: Give a proper error message if an invalid CLASS is used in the Query Expression

TASK-0252-SURE	Received Reported by Type	13-Mar-2015 ITSforSURE IMPROVEMENT	SOLVED	13-Mar-2015	at 90
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Function Build: if the SURE-build-server gives a build result for an unknown file, then simply ignore that unknown file.

Solution: Previously an error message was returned, and that triggered other issues.

TASK-0254-SURE	Received Reported by Type Severity Probability	17-Mar-2015 SNS ERROR SEVERE RARE	SOLVED	17-Mar-2015	at 90
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The SURE build-server goes in a loop when the build-result table contains an unknown source-name with syntax errors

Solution: Fixed: unknown filenames are now skipped

TASK-0255-SURE	Received Reported by Type	17-Mar-2015 SNS IMPROVEMENT	SOLVED	30-Mar-2015	at 90
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Move some consistency checks to programs RESPECT/SURE/MATCH and R/S/WINBATCH

Solution: The following checks are moved to RESPECT/SURE/MATCH

- Dataset DITEM: check for a record with ITEM_NAME = spaces, and delete it
- Dataset DFIL: check for a record with FIL_TITLE = spaces, and delete it
- Dataset DREL: check for records with REL_OWNER = 0, and delete them

These checks are done every 5th day

TASK-0256-SURE	Received Reported by Type	19-Mar-2015 ITSforSURE FEATURE	SOLVED	28-May-2015	at 90
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Create a separate 'markid-file' for PC-source files

Solution: See the task explanation form or the task attachment in SURE for detailed information

Task			Status	Date ready	Release
TASK-0257-RIS	Received Reported by Type	23-Mar-2015 ITSforSURE IMPROVEMENT	SOLVED	11-Apr-2015	at 90
SURE backend on Windows: dump/load INFDB from MCP to Windows: Improve the speed of the file-transfer and translate diacritical characters in DUSER to spaces					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0258-SURE	Received Reported by Type Severity Probability	23-Mar-2015 SNS ERROR MODERATE RARE	SOLVED	24-Mar-2015	at 90
Program RESPECT/SURE/AIXLOG does not load anything					
Solution:	This was caused by an unexpected token in the input parameter. In the previous release the name of the input log-file was passed to R/S/AIXLOG via a file-equation In the new release the name of the input log-file is passed via the input-parameter, but this method did not expect an 'ON <family>' clause.				
TASK-0259-SURE	Received Reported by Type	24-Mar-2015 SNS IMPROVEMENT	SOLVED	15-Apr-2015	at 90
Support a wildcard at some Select functions					
Solution:	The following Select functions support a wildcard: - Select Files (each file with a node that meets the wildcard is returned) - Select Task (the first task that meets the wildcard is returned) - Select Data Items (the wildcard is checked as follows: case as is, full uppercase ,full lowercase, Camel Caps, reversed case) - Select Formats - Select LFI's - Select Transactions - Select CNV's - Select SEL's - Select SEL-functions				
TASK-0261-RIS	Received Reported by Type	30-Mar-2015 WUH FEATURE	SOLVED	01-Apr-2015	at 90, 80
Function 'Deliver' in RIS/MENU: Make it possible to put a file in the deliver-dump-queue					
TASK-0262-SURE	Received Reported by	30-Mar-2015 ITSforSURE	SOLVED	30-Mar-2015	at 90

Task	Status		Date ready	Release
	Type	IMPROVEMENT		
	If a driver-source is purged, then delete also the DRIVER-relations to that source If a copy-file is purged, then delete also the COPY-FILE-relations to that source			
Solution:	These relations are now deleted too, because it does not make sense too keep them when the file itself does not exist anymore.			
TASK-0263-SURE	Received Reported by Type Severity Probability	31-Mar-2015 ITSforSURE ERROR MODERATE RARE	SOLVED	31-Mar-2015 at 90
	Fix an error in Windows' File Dialog for Upload File function.			
TASK-0264-SURE	Received Reported by Type	01-Apr-2015 SNS FEATURE	SOLVED	01-Apr-2015 at 90
	Give an extra verification warning at check-out when a file is already linked to another task but on a higher environment, because that may result in a future overlap with that other task			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0265-SURE	Received Reported by Type	07-Apr-2015 SNS IMPROVEMENT	SOLVED	07-Apr-2015 at 90
	Function 'View old version of PC-source file': check if there are lines in the created source-file that end with line-feed only instead of carriage-return/line-feed			
Solution:	The solution is as follows: If an old version of a non-binary PC-file is viewed or copied, then all lines are checked that they end with a carriage-return/line-feed. Lines that don't end with carriage-return/line-feed are adjusted in the created file. At the end the resulting file is copied to the PC and loaded in the editor.			
TASK-0266-SURE	Received Reported by Type	08-Apr-2015 ITSforSURE IMPROVEMENT	SOLVED	08-May-2015 at 90
	Convert task-reference from USERNAME relation to REFERENCE relation Convert task-short-description from USERNAME relation to SHORT-info			
Solution:	Previously the Task Reference and the Short Description were concatenated to one string. That made it impossible to search on the Task Reference in a query and in a few cases it caused performance degradation.			
TASK-0268-SURE	Received Reported by	13-Apr-2015 ITSforSURE	SOLVED	19-May-2015 at 90

Task	Status		Date ready	Release
	Type	IMPROVEMENT		
	RIS/MENU function SURE/SELECT: if a response line does not fit on one line on the screen then split it over 2 lines			
TASK-0269-SURE	Received Reported by Type	13-Apr-2015 ITSforSURE IMPROVEMENT	SOLVED	12-Jun-2015 at 90
	Improve performance			
TASK-0270-SURE	Received Reported by Type	18-Apr-2015 BBL FEATURE	SOLVED	18-Apr-2015 at 90
	Allow PC-files with the PRIVILEGE attribute to be viewed and copied (by the authorized user) because the local work directory for PC-files is not shared.			
Solution:	If a PC-file is Viewed or Copied then it is placed in the local work directory. That is the same directory where the PC-file is placed when it is checked-out. So, functions Copy and View can have the same check on PRIVILEGE as function Check-out.			
TASK-0271-SURE	Received Reported by Type	20-Apr-2015 BBL FEATURE	SOLVED	10-Jun-2015 at 90
	Only 'domain-user' must be allowed to change the domain attribute of a file.			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0272-SURE	Received Reported by Type	22-Apr-2015 BBL IMPROVEMENT	SOLVED	04-May-2015 at 90
	Test if it is possible to upgrade in one go from release70.x or older to release 90.3			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0273-SURE	Received Reported by Type Severity Probability	24-Apr-2015 ITSforSURE ERROR SEVERE CERTAIN	SOLVED	24-Apr-2015 at 90
	The attachment of a task disappears when the task properties are updated.			
Solution:	The solution is that we deleted/disabled the task-attachment button on the task-properties screen. Task attachments can from now on only be added or changed via the menu functions for attachments (when you right			

Task	Status	Date ready	Release
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click on a taskname)

TASK-0274-SURE	Received Reported by Type	06-May-2015 SNS IMPROVEMENT	SOLVED	07-May-2015	at 90
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Batch load with option 'sync': Files that have status "nothing" or "purged" should be considered "not present".
Batch Load function skips files at end of list.

Solution: Both issues are now fixed

TASK-0275-SURE	Received Reported by Type Severity Probability	06-May-2015 ANDIMA ERROR MINOR POSSIBLE	SOLVED	06-May-2015	at 90, 80
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Function 'Task transfer': If a renamed file is transferred to a higher environment, then the old file name is still used in a verification message

TASK-0276-SURE	Received Reported by Type	07-May-2015 ITSforSURE FEATURE	SOLVED	08-May-2015	at 90
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Function Rename file: A file-name with only 1 node and no file-extension must be renamed with option 'Rename for All Environments' enabled

Solution: This is done because a 'one node filename' can also be used as search-node for other files. This situation is now handled correctly

TASK-0277-SURE	Received Reported by Type	11-May-2015 ITSforSURE IMPROVEMENT	SOLVED	11-May-2015	at 90
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Function Rename File: check if the new filename is valid

Solution: The check is done for MCP-files and for PC-files

TASK-0278-SURE	Received Reported by Type	12-May-2015 BBL IMPROVEMENT	SOLVED	12-May-2015	at 90
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Function 'Copy into work environment': give a better message if the copy is not done for some reason

TASK-0279-SURE	Received Reported by Type	12-May-2015 ITSforSURE IMPROVEMENT	SOLVED	15-May-2015	at 90
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Task	Status			Date ready	Release
Test all print functions of RESPECT/PRINT and RESPECT/SURE/LOG					
TASK-0280-SURE	Received Reported by Type	15-May-2015 BBL IMPROVEMENT	SOLVED	19-May-2015	at 90
Put extra info on the overview of the resource configuration (RESPECT/PRINT)					
Solution:	This is implemented via a new print option in RESPECT/PRINT. RUN RESPECT/PRINT("RESOURCE-CONFIGURATION") - gives at the end of the overview the resource-usage of each file with one or more RESOURCE-VERSION relations: for each resource the resource location, the project and the resource type. RUN RESPECT/PRINT("RESOURCE-CONFIGURATION FROM USERCODE") - gives the same, but filtered for the resource-location = USERCODE;				
TASK-0282-RIS	Received Reported by Type Severity Probability	21-May-2015 SNS ERROR SEVERE RARE	SOLVED	22-May-2015	at 90
SURE backend on Windows: function Compile Interface does not give response. The transaction is looping in de FDM					
Solution:	Function NXT_BITAR must return 0 (instead of -1) when no next bit is found				
TASK-0283-SURE	Received Reported by Type Severity Probability	21-May-2015 ANDIMA ERROR MODERATE RARE	SOLVED	22-May-2015	at 90, 80
Function DELINK does not work when something is changed on the file-properties					
Solution:	If the properties of a file are changed under a second task then this task-link has group FILE-PROPERTIES. It is now possible to delink the file from a 'FILE-PROPERTIES' task, however: you cannot re-link the file to the task. If you try to delink the file for the second time you get an error message.				
TASK-0284-SURE	Received Reported by Type	22-May-2015 SNS IMPROVEMENT	SOLVED	22-May-2015	at 90
Load AIXLOG: skip invalid input files					
Solution:	An input file is invalid if it does not have the correct name or if it does not have the correct record size				

Task	Status		Date ready	Release
TASK-0285-SURE	Received Reported by Type	27-May-2015 SNS IMPROVEMENT	SOLVED	27-May-2015 at 90
<p>If global option 'Approve of master task also approves subtasks' is enabled, then a subtask doesn't need to inherit the approval groups of the task-type of its master task. In that case, only the approval-groups of the tasks' own task-type are used.</p> <p>Solution: The solution is as follows:</p> <p>If global option 'Approve of master task also approves its subtasks' is disabled (default): - A sub-task must be approved individually if that is indicated by its own task-type or by the task-type of the master-task.</p> <p>If global option 'Approve of master task also approves its subtasks' is enabled: - A sub-task must be approved individually if that is indicated by its own task-type</p>				
TASK-0286-SURE	Received Reported by Type	28-May-2015 ITSforSURE IMPROVEMENT	SOLVED	03-Aug-2015 at 90
Update the release number to 90.2				
TASK-0288-SURE	Received Reported by Type	01-Jun-2015 BBL FEATURE	SOLVED	01-Jun-2015 at 90
Option "Use resources": add the default resource location for a newly used copy-file				
TASK-0289-SURE	Received Reported by Type	01-Jun-2015 ITSforSURE FEATURE	SOLVED (see-other-task)	12-Jun-2015 at 90
Option "use resources": use the default resource location if a copy-file is new in a program				
Solution:	See TASK-0288-SURE			
TASK-0290-SURE	Received Reported by Type	02-Jun-2015 ITSforSURE FEATURE	SOLVED	02-Jun-2015 at 90
Enable functions 'Close task' and 'Deny task' if the task contains only de-linked files or commands				
Solution:	Previously it was only possible to close a task if nothing was linked to it (= if nobody has worked on it). Now you can also close a task if it only contains de-linked files/items			
TASK-0293-SURE	Received Reported by	10-Jun-2015 SNS	SOLVED	10-Jun-2015 at 90

Task	Status		Date ready	Release
	Type	IMPROVEMENT		
	Function 'Check in PC-file': put the file also in the fast-examine queue.			
Solution:	References to include files are now quicker visible.			
TASK-0294-RIS	Received Reported by Type	11-Jun-2015 SNS FEATURE	SOLVED	12-Jun-2015 at 90
	SURE backend on Windows: Change the default query timeout on CDatabase instance from 15 seconds to 'no timeout'			
Solution:	Some queries may take some time, and otherwise the program will crash when the query exceeds 15 seconds.			
TASK-0295-SURE	Received Reported by Type	15-Jun-2015 ITSforSURE IMPROVEMENT	SOLVED	24-Jun-2015 at 90
	Implement the link FILE-PROPERTIES method in the update and extensions function of RIS/MENU => SURE			
Solution:	If function UPD or EXT is used then the file is linked to the task via a FILE-PROPERTIES relation, to avoid unnecessary task-overlaps			
TASK-0296-SURE	Received Reported by Type	22-Jun-2015 ITSforSURE IMPROVEMENT	SOLVED	23-Jun-2015 at 90
	At a long delta file compare the popup box shows always a busy-message with 1 record. Change this message to more useful information			
Solution:	The 'busy-message' box shows now the name of each delta-file that is used the recreate the old FileVersion. This gives a good indication of the progress			
TASK-0299-SURE	Received Reported by Type	24-Jun-2015 ITSforSURE IMPROVEMENT	SOLVED	25-Jun-2015 at 90
	Improve method to show the list with valid languages on the user-properties screen			
Solution:	The language-field on the user properties screen could not be changed. This is now fixed			
TASK-0300-SURE	Received Reported by Type Severity Probability	24-Jun-2015 UOFW ERROR MODERATE RARE	SOLVED	24-Jun-2015 at 90
	Function 'Status' does not show the FileVersion correctly if the minor part has 4 digits. For example FileVersion 1.1015 is truncated to 1.101			

Task	Status		Date ready	Release
Solution:	This is now fixed in the mark-id of a source, in the first line of a source, in the release-id of a source and on various screens in SUREforWindows			
TASK-0302-SURE	Received Reported by Type	25-Jun-2015 CEDAE IMPROVEMENT	SOLVED	26-Jun-2015 at 90
	Function FIND: Print the skipped binary files on the FIND report			
Solution:	Binary files were already skipped by RESPECT/SURE/FIND but the FIND-report did not mention this. This could cause confusion why a specific file was not scanned. We now write the skip-reason also in the FIND-report			
TASK-0305-SURE	Received Reported by Type Severity Probability	30-Jun-2015 WELLSFARGO ERROR MINOR POSSIBLE	SOLVED	30-Jun-2015 at 90
	RESPECT/PRINT/USERATTRIBUTES: Fix issue with project names			
TASK-0309-SURE	Received Reported by Type	01-Jul-2015 UOFW IMPROVEMENT	SOLVED	01-Jul-2015 at 90
	Function 'Check-In file': compare the filekind of the file on disk with the filekind of the file in SURE.			
Solution:	SURE gives now a verification message if the two filekinds are not the same or similar (COBOL-family, ALGOL-family).			
TASK-0310-SURE	Received Reported by Type	02-Jul-2015 UOFW IMPROVEMENT	SOLVED	02-Jul-2015 at 90
	Function Find: if option 'Scan comment too' is enabled then scan also the information that is linked to the file			
Solution:	The documentation that is linked to source under the 'book' icon is also scanned by the FIND-process when option 'Scan comment too' is enabled on the FIND-screen.			
TASK-0313-SURE	Received Reported by Type	08-Jul-2015 UOFW FEATURE	SOLVED	08-Jul-2015 at 90
	SURE FIND: make it possible to search with a target string that must match the beginning of a word			
Solution:	The scan-token is used as a prefix if added to the list with FIND-targets with option 'match whole word only' and terminated with a '*' character. For example: FIND-target WS-* (with option 'match whole word only' enabled) will search for all words in the source that start with 'WS-'			

Task	Status		Date ready	Release
TASK-0314-GUI64	Received Reported by Type	08-Jul-2015 ITSforSURE IMPROVEMENT	SOLVED	29-Jul-2015 at 90
Load 64-bits version of the SUREforWindows software				
TASK-0315-SURE	Received Reported by Type	09-Jul-2015 ORDINA IMPROVEMENT	SOLVED	09-Jul-2015 at 90
Function 'reprocess quick fix': Improve confusing error message				
TASK-0316-SURE	Received Reported by Type Severity Probability	10-Jul-2015 ORDINA ERROR MODERATE POSSIBLE	SOLVED	11-Jul-2015 at 90
SURE email function: an email about a new + assigned task has sometimes a wrong or incomplete task description.				
Solution:	This was a timing issue. It happened when an email was created when the MCP was very busy.			
TASK-0318-SURE	Received Reported by Type	13-Jul-2015 ORDINA FEATURE	SOLVED	13-Jul-2015 at 90
Function 'Transfer Task': SURE gives a warning if a source is promoted to the next environment and one or more copybooks that are referenced by the source are not loaded in the repository. However, our PC-sources reference global copybooks of third party vendors, which won't be loaded. The same applies for standard C++ include-files. Can you make a function that makes it possible to omit external include files from the warning list, so that the real missing copybooks become better visible.				
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0322-SURE	Received Reported by Type Severity Probability	17-Jul-2015 ITSforSURE ERROR SEVERE RARE	SOLVED	17-Jul-2015 at 90
Batch build may fail with an "Out of memory" message box.				
Solution:	Code does not close 2 handles at end of process run. Closing them does not fail (invalidated handle), so let's see if this solves it...			
TASK-0323-SURE	Received Reported by	18-Jul-2015 SNS	SOLVED	19-Jul-2015 at 90, 80

Task	Status		Date ready	Release
	Type	ERROR		
	Severity	SEVERE		
	Probability	RARE		
	A release task (master task) is promoted to production but some of its subtasks are left behind. These subtasks should have been promoted automatically, together with the release task.			
Solution:	This was caused when a task was linked as a sub-task to the release-task while it was still a sub-task of another master-task. There is now a better check that a task cannot be a sub-task of two master-tasks at the same time.			
TASK-0324-SURE	Received Reported by Type	22-Jul-2015 UOFW FEATURE	SOLVED	18-Nov-2015 at 90, 80
	Make it possible to deploy an include file as a source to an object-location			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0325-SURE	Received Reported by Type Severity Probability	30-Jul-2015 ITSforSURE ERROR MODERATE RARE	SOLVED	30-Jul-2015 at 90
	Batch build does not always load the error file for a recursive build.			
TASK-0326-SURE	Received Reported by Type	30-Jul-2015 ITSforSURE IMPROVEMENT	SOLVED	30-Jul-2015 at 90
	Browse must refresh nodes after actions: Request / Assign, Remove, Restore File			
TASK-0329-GUI64	Received Reported by Type Severity Probability	31-Jul-2015 ITSforSURE ERROR MODERATE CERTAIN	SOLVED	01-Aug-2015 at 90
	The Function bar in RfW does not appear in the 64-bit version of RfW			
Solution:	This was caused by Microsoft: function RepositionBars was called in the wrong way. We made a workaround			
TASK-0330-SURE	Received Reported by Type	02-Aug-2015 ITSforSURE IMPROVEMENT	SOLVED	03-Aug-2015 at 90
	Test the integrity mechanism in RESPECT/SURE/COMPILE			

Task			Status	Date ready	Release
TASK-0333-SURE	Received Reported by Type Severity Probability	07-Aug-2015 BBL ERROR MAJOR LIKELY	SOLVED	07-Aug-2015	at 90
Crash of program RIS/MENU when you try to see the linked items of a task (in function Define Task)					
TASK-0334-SURE	Received Reported by Type	13-Aug-2015 ITSforSURE IMPROVEMENT	SOLVED	28-Sep-2015	at 90
Installation and configuration of the SCC interface must be done by an administrator: - We improved the method to install the redistributable DLL's in the C:\Windows\System32 directory or in the C:\Windows\SysWOW64 directory - Check if registry can be updated with SCC keys on start-up; if not then issue a warning					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0336-SURE	Received Reported by Type	17-Aug-2015 UOFW FEATURE	SOLVED	17-Aug-2015	at 90, 80
SURE must support delta-files for MCP-sources with filekind TEXTDATA					
TASK-0337-SURE	Received Reported by Type	17-Aug-2015 ITSforSURE IMPROVEMENT	SOLVED	17-Aug-2015	at 90
Log-entries of tasks older than 2001 may not have a time-stamp. Show now as default: Jan 1, 1970					
TASK-0338-RIS	Received Reported by Type	18-Aug-2015 ITSforSURE IMPROVEMENT	SOLVED	23-Aug-2015	at 90
In case of the creation of a new repository: - The upgrade from release 80 to 90 can be skipped. - Make the development-usercode and the batch-usercode equal to the installation usercode (and not with suffix '_DEV' and '_DEV_BATCH')					
TASK-0339-SURE	Received Reported by	18-Aug-2015 WUH	SOLVED	31-Aug-2015	at 90, 80

Task	Status		Date ready	Release
	Type	IMPROVEMENT		
	Fix issues with CVS-interface: Saving a binary file gives an irrelevant warning that the file-version is 0.0			
TASK-0340-SURE	Received Reported by Type	19-Aug-2015 ITSforSURE IMPROVEMENT	SOLVED (already-done)	17-Sep-2015 at 90
	CVS improvements			
TASK-0341-SURE	Received Reported by Type Severity Probability	23-Aug-2015 BBL ERROR SEVERE POSSIBLE	SOLVED	23-Aug-2015 at 90
	RESPECT/SURE/COMPILE starts a startjob that is linked to a source which is blocked for compilation via COMPILE-STATUS (NOT). This should not happen.			
TASK-0342-SURE	Received Reported by Type Severity Probability	24-Aug-2015 WUH ERROR SEVERE RARE	SOLVED	27-Aug-2015 at 90
	Function 'Select MCP file' gives sometime the error message 'File not resident'. But we checked it and the file was resident on disk.			
Solution:	<p>The cause of this error was that the file was searched under the wrong MCP-usercode. SURE searches the file now under the work-location that belongs to the system of the current task. If there is no current task then the default work-location of the environment is used.</p> <p>The usercode/pack where the file is found is now added to the file-name in the browser.</p>			
TASK-0344-SURE	Received Reported by Type Severity Probability	31-Aug-2015 ANDIMA ERROR MODERATE POSSIBLE	SOLVED	31-Aug-2015 at 90, 80
	A DASDL source that is compiled via a start-job gets an invalid COMPILE-STATUS(COMPILED) timestamp			
TASK-0346-TOOLS	Received Reported by Type	04-Sep-2015 ITSforSURE IMPROVEMENT	SOLVED	07-Sep-2015 at 90

Task	Status	Date ready	Release
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Make Install.exe show the name of a required setup if it can't find it.

TASK-0350-SURE	Received Reported by Type	16-Sep-2015 BBL FEATURE	SOLVED	28-Oct-2015	at 90, 70, 80
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New: SURE supports case sensitive passwords at log-on

Solution: See the task explanation form or the task attachment in SURE for detailed information

TASK-0351-SURE	Received Reported by Type	21-Sep-2015 ITSforSURE IMPROVEMENT	SOLVED	21-Sep-2015	at 90
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Do not add the MCP software anymore to the zip-file that contains the GUI-software

TASK-0352-SURE	Received Reported by Type	21-Sep-2015 ITSforSURE IMPROVEMENT	SOLVED	21-Sep-2015	at 90
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Make initial document Ris\A\Sure\Document\Patches90.docx

TASK-0353-RFW	Received Reported by Type	22-Sep-2015 ITSforSURE IMPROVEMENT	SOLVED	28-Sep-2015	at 90
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Replace "Infra Design" with "ITSforSURE" in sources, scripts, reports and templates.

TASK-0354-TOOLS	Received Reported by Type	23-Sep-2015 SNS IMPROVEMENT	SOLVED	28-Sep-2015	at 90
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Installation of SUREforWindows GUI: Move the central RFW.INI to %ProgramData%\ITSforSURE

Solution: The RFW.INI file contains installation information about SUREforWindows. The SUREforWindows GUI can be installed multiple times on one workstation (each time for a different repository), and for each installation the following parameters are kept in the RFW.INI file:

- The installation directory
- The installed sub-systems (SFW, RFW,DTI,DCIS and/or RIS)

This installation information is added to the RFW.INI file when a SUREforWindows environment is installed for the first time, and re-used when a SUREforWindows GUI is updated.

The RFW.INI was previously located in the C:\WINDOWS directory, but this causes issues under Windows-8. That is

Task			Status	Date ready	Release
why we moved the file to directory %ProgramData%\ITSforSURE					
The exact solution is as follows:					
<ul style="list-style-type: none">- The installer of release 80 (and earlier) still uses the old method, where RFW.INI is placed and searched in the C:\WINDOWS directory- The installer of release 90 copies RFW.INI from C:\WINDOWS to %ProgramData%\ITSforSURE, but only if RFW.INI is not yet resident in that directory- The installer of release 90 (and never) places and searches RFW.INI in directory %ProgramData%\ITSforSURE					
TASK-0355-SURE	Received Reported by Type Severity Probability	29-Sep-2015 SNS ERROR MODERATE POSSIBLE	SOLVED	08-Oct-2015	at 90
Batch Load function with option 'sync' does not properly remove/purge files in All Environments					
Solution:	See also Task-0154-SURE: This happened at the combination of options AllEnvironment=true and Sync=true, where a file that is removed from the load-directory must be deleted in all SURE environments as well				
TASK-0357-SURE	Received Reported by Type Severity Probability	05-Oct-2015 SNS ERROR MODERATE POSSIBLE	SOLVED	05-Oct-2015	at 90
Examine Perl-scripts: the EXECUTE relation to a COBOL-source is not added correctly if the Perl-script does not have a build-server					
TASK-0359-SURE	Received Reported by Type	09-Oct-2015 ITSforSURE FEATURE	SOLVED	27-Nov-2015	at 90
Review the method to open a PC-file in the correct editor					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0360-SURE	Received Reported by Type Severity Probability	14-Oct-2015 BBL ERROR SEVERE RARE	SOLVED	14-Oct-2015	at 90
Invalid index in RIS/MENU => at function 'Make task current'					
TASK-0361-SURE	Received Reported by Type Severity	14-Oct-2015 BBL ERROR SEVERE	SOLVED	14-Oct-2015	at 90

Task	Status		Date ready	Release
	Probability	POSSIBLE		
	The NO-TADS option for RESPECT/SURE/COMPILE does not remove correctly the TADS option			
TASK-0362-SURE	Received Reported by Type Severity Probability	16-Oct-2015 SNS ERROR SEVERE POSSIBLE	SOLVED	16-Oct-2015 at 90
	Invalid index at batch program RESPECT/SURE/AIXLOG			
TASK-0364-SURE	Received Reported by Type Severity Probability	16-Oct-2015 ITSforSURE ERROR SEVERE RARE	SOLVED	16-Oct-2015 at 90
	If a quick-fix is made on a renamed file (a file that has a different name in the environment of the quick-fix), then it is not possible to reprocess the quick-fix changes to the develop environment			
TASK-0365-SURE	Received Reported by Type Severity Probability	16-Oct-2015 SNS ERROR SEVERE CERTAIN	SOLVED	16-Oct-2015 at 90, 80
	Invalid timestamp at conversion 65: move AUTHORS and FUNCTIONS to the global environment			
TASK-0366-SURE	Received Reported by Type	16-Oct-2015 ITSforSURE IMPROVEMENT	SOLVED	16-Oct-2015 at 90
	If a task is deleted, then delete also the DELINKED relations and the PROBLEM-GROUP			
TASK-0367-SURE	Received Reported by Type	16-Oct-2015 BBL IMPROVEMENT	SOLVED	17-Oct-2015 at 90
	Program RESPECT/PRINT("OWNER-OVERVIEW") must also be able to show REL-VALUE's that are not a valid integer			
Solution:	With the upgrade to release 90 all REL-VALUES of known DREL-records are checked and (if necessary) converted to a valid integer. With 'known DREL-records' we mean: DREL-records that are known to the ITSforSURE developers.			

Task			Status	Date ready	Release
<p>The problem is that customers may have written their own programs, and those programs can also add DREL-records. These DREL-records may be very customer specific and unknown to ITSforSURE. The REL-VALUES of unknown DREL-records are left unchanged during the upgrade to release 90, because we don't know what to do with those REL-VALUES. That caused aborts with INTEGER OVERFLOW when an unknown DREL-record was read that had a REL-VALUE which was not a valid integer.</p> <p>We made the following fix: the content of the REL-VALUES is now checked immediately after a DREL-record is read via the standard routines in RESPECT/DEFINES. A REL-VALUE must be an integer, so bits 39 thru 45 must be 0. If these bits are not 0 then we change them to 0.</p> <p>So this fix does not change the content of REL-VALUES in the database. The only REL-VALUES that are affected by this change are REL-VALUE's of customer specific DREL-records that contain an invalid integer.</p>					
TASK-0369-SURE	Received Reported by Type	19-Oct-2015 BBL IMPROVEMENT	SOLVED	19-Oct-2015	at 90
<p>Several small issues in the SUREforWindows GUI:</p> <ul style="list-style-type: none">- OLE server number in options screen can be empty- Change the Dutch word "WACHT" to "WAIT" in the title bar of the Task Maintenance screen- Better detection of running Task Maintenance apps to avoid unwanted 'Task module already open' messages- Some output fields on the Task Maintenance screen are truncated					
TASK-0371-RIS	Received Reported by Type	19-Oct-2015 BBL IMPROVEMENT	SOLVED	19-Oct-2015	at 90
<p>The layout of the RELATIONS-screen in RIS/MENU must be the same as in release 70</p>					
TASK-0372-SURE	Received Reported by Type Severity Probability	21-Oct-2015 BBL ERROR SEVERE RARE	SOLVED	23-Oct-2015	at 90
<p>Function 'Check-in <file>' cleans automatically the SURE-log of that file</p>					
Solution:	<p>This happened when the system of file was excluded for 1 or more environments.</p>				
TASK-0373-SURE	Received Reported by Type Severity Probability	21-Oct-2015 BBL ERROR SEVERE RARE	SOLVED	21-Oct-2015	at 90
<p>1. Find: the last node of the name of the output listing is truncated to 8 characters 2. The SURE log of a file disappears at function check-in when one of the environments is excluded</p>					

Task	Status			Date ready	Release
TASK-0374-SURE	Received Reported by Type Severity Probability	26-Oct-2015 BBL ERROR MAJOR POSSIBLE	SOLVED	26-Oct-2015	at 90
DUPLICATES error when option 'Resource Versions' is enabled and two users create a resource table for the same file at the same time					
TASK-0375-SURE	Received Reported by Type	26-Oct-2015 WUH FEATURE	SOLVED	19-Nov-2015	at 90
On an MCP where the Locum Safe&Secure software is active: - do the SURE log-on via the Locum usercode/password check - change the password of a usercode on the SUREforWindows logon screen via the 'Locum change password' method, so that the Locum password aging method is used.					
Solution:	We also did the following tests: - SURE gives a warning at log-on if 'PasswordAging' is enabled for the usercode in the Userdatafile, and the password is about to expire - SURE gives a 'change-password-screen' if the password is expired				
TASK-0377-SURE	Received Reported by Type	01-Nov-2015 WUH FEATURE	SOLVED	27-Nov-2015	at 90
Make it possible to de-activate a user account					
	Controls	TASK-0380-XX	Deactivate a user account (subtask)		
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0379-RIS	Received Reported by Type	03-Nov-2015 ITSforSURE IMPROVEMENT	SOLVED	04-Nov-2015	at 90
Support new version of WinMerge					
Solution:	The newest stable version (2.14.0) of WinMerge is now delivered with SUREforWindows. SURE uses WinMerge to compare different versions of a file. WinMerge can also be used to compare the content of directories. Some remarks about WinMerge features: It is possible to ignore resequenced records in MCP source files. A resequenced range of records makes the comparison between two file-versions very unclear. Differences in sequence numbers are ignored when you use one of the following plugins: - for COBOL-programs: WinMerge-toolbar => Plugins => Prediffer => IgnoreColumns 1-6 - for ALGOL-programs: WinMerge-toolbar => Plugins => Prediffer => IgnoreColumns 1-8 - this requires that WinMerge option 'Toolbar => Plugins => List => Enable Plugins' is active				

Task	Status	Date ready	Release
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It is possible to ignore differences in records that contain a specific text via function:
WinMerge-toolbar => Tools => Filters => tab: Linefilters

TASK-0380-XX	Received Reported by Type	06-Nov-2015 ITSforSURE FEATURE	SOLVED	16-Nov-2015	at 90
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Deactivate a user account (subtask)

Dependent of TASK-0377-SURE Make it possible to de-activate a user account

TASK-0381-SURE	Received Reported by Type	07-Nov-2015 BBL FEATURE	SOLVED	27-Nov-2015	at 90
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Create a separate log that show the changes in the authorization model

Controls TASK-0382-XX (subtask) Browse security log

Solution: See the task explanation form or the task attachment in SURE for detailed information

TASK-0382-XX	Received Reported by Type	08-Nov-2015 ITSforSURE FEATURE	SOLVED	16-Nov-2015	at 90
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(subtask) Browse security log

Dependent of TASK-0381-SURE Create a separate log that show the changes in the authorization model

TASK-0384-SURE	Received Reported by Type	14-Nov-2015 WUH FEATURE	SOLVED	18-Nov-2015	at 90, 80
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New method to de-activate a user account (release 80)

It is possible to delete a user account from SURE, but then we loose all information about that that account. In our case the user account is fully numeric and 8 digits long. We don't want to delete these user accounts in SURE because then we forget to which developer the account belonged. But the end result is that we now have dozens of non-used user-accounts in SURE. They pollute the drop down lists and we get questions about these old accounts by our auditors. Can you implement a method to deactivate a user account?

Solution: De-activate a user-account as follows (release 80):
- Update field 'Name' on the user properties screen and let the name start with text 'NOT ACTIVE'

Re-activate a user-account as follows (release 80):
- Update field 'Name' on the user properties screen and remove the text 'NOT ACTIVE' from the name

The behavior of a deactivated user account is as follows:
- It is not possible to log on with a deactivated user account
- If RIS/MENU runs under a deactivated usercode then the user has no authorizations

Task			Status	Date ready	Release
	<ul style="list-style-type: none">- Deactivated users do not appears in folder Organization => User- Deactivated users do not appear in drop down lists- Deactivated users do not appear in the user overviews- Command QUERY on users still selects and shows deactivated accounts- Via command 'Select User' it is still possible to select a deactivated account				
TASK-0385-SURE	Received Reported by Type Severity Probability	18-Nov-2015 ANDIMA ERROR SEVERE POSSIBLE	SOLVED	18-Nov-2015	at 90
<p>SURE compile source with multiple objects: the compilation order of the multiple objects is suddenly random, and that causes a waiting entry in a start-job. Previously the order was alphabetical.</p>					
<p>Solution: The solution is as follows: if a source has multiple objects, then the order of compilation of these multiple objects is alphabetical (because that is what it always was), but the multi-object compilations are not handled simultaneously (because of TASK-0101).</p>					
TASK-0386-RIS	Received Reported by Type	18-Nov-2015 ITSforSURE FEATURE	SOLVED	20-Nov-2015	at 90
<p>Test function 'Security Administrator' and the required authorizations to update user accounts, employee-functions, teams and authorization maps</p>					
<p>Solution: See the task explanation form or the task attachment in SURE for detailed information</p>					
TASK-0387-SURE	Received Reported by Type	21-Nov-2015 ITSforSURE IMPROVEMENT	SOLVED	21-Nov-2015	at 90
<p>Do not give an error message at log-on if the user does not have assigned tasks</p>					
TASK-0388-SURE	Received Reported by Type Severity Probability	23-Nov-2015 SNS ERROR MODERATE POSSIBLE	SOLVED	23-Nov-2015	at 90
<p>Strange behavior in SfW when clicking on a referenced internal file-name</p>					
TASK-0389-RIS	Received Reported by Type	24-Nov-2015 BBL IMPROVEMENT	SOLVED	25-Nov-2015	at 90
<p>Introduce LOG-type 'BindResult'</p>					

Task	Status			Date ready	Release
Solution:	This can be used in programs that are written by customers				
TASK-0390-SURE	Received	25-Nov-2015	SOLVED	27-Nov-2015	at 90
	Reported by	WUH			
	Type	ERROR			
	Severity	SEVERE			
	Probability	RARE			
	Possible loop in SUREforWindows in the case that SFW acts as CVS-server, or in the case that same SCC-commands are done				
Solution:	Method-command may not be reset from BROWSE_COMPLETE to REQUEST. This can cause methods that are not designed to handle a complete browse request to loop.				
TASK-0391-SURE	Received	02-Dec-2015	SOLVED	02-Dec-2015	at 90
	Reported by	SNS			
	Type	IMPROVEMENT			
	For some copy-files the relations from a source to that copy-file are not correctly added. For example: we have copy-file src\SAS\COPY\WS-DBP-IBAN.CPY but the COPY-FILE relation is only to the last node WS-DBP-IBAN.CPY and not to the full name of the copy-file.				
Solution:	This happened if the copy-file does not have a LAST-NODE relation. The LAST-NODE relation is added when the copy-file is created in SURE and the file-type of the copy-file has option 'Last Node is ID for copy-file', So, when the copy-file was originally created with a wrong file-type then the LAST-NODE relation was not added. The solution: If the file-type of a PC-file is changed (via modify properties) and the new file-type has option 'Last Node is ID for copy-file', then the LAST-NODE relation must be added if it is not yet available				
TASK-0392-SURE	Received	02-Dec-2015	SOLVED	27-Jan-2016	at 90
	Reported by	SNS			
	Type	FEATURE			
	New: support an 'Archive' environment in SURE. Old sources can be moved to the archive. An archived source does not exist anymore in the environments of the main development life cycle, but it is still possible to view the source in the archive.				
	Controls	TASK-0407-XX	(subtask) Support Archive Environment		
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0393-SURE	Received	02-Dec-2015	SOLVED	14-Dec-2015	at 90, 80
	Reported by	ITSforSURE			
	Type	IMPROVEMENT			
	Improve the performance of function: Rightclick on 'Files PC' => Expand to path				
TASK-0394-SURE	Received	04-Dec-2015	SOLVED	04-Dec-2015	at 90

Task	Status		Date ready	Release
	Reported by Type	ITSforSURE IMPROVEMENT		
	Function Monitor: Improve support for ODT commands SQ and DBS			
Solution:	The task-numbers that are returned by ODT-functions DBS and SQ are now placed in column 'Task'. A click on such a line enables button 'command', where you can submit another ODT-command for that task.			
TASK-0395-SURE	Received Reported by Type	07-Dec-2015 ITSforSURE IMPROVEMENT	SOLVED	10-Dec-2015 at 90
	Some authorization bits are not used anymore: delete them from the screens and overviews			
Solution:	Sub-menu 'securities' in RIS/MENU is now also de-implemented.			
	The reasons: - all authorizations can also be defined via SUREforWindows - some authorizations can ONLY be defined via SfW - SfW is also required to define teams and to link users to teams - SfW gives a better overview			
TASK-0397-SURE	Received Reported by Type	07-Dec-2015 ITSforSURE IMPROVEMENT	SOLVED	09-Dec-2015 at 90
	Review 'Delivery mechanism'			
TASK-0398-SURE	Received Reported by Type	08-Dec-2015 WUH FEATURE	SOLVED	09-Dec-2015 at 90
	New option for an individual file: put the file automatically in the delivery-queue of an environment when it changes in that environment			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0399-SURE	Received Reported by Type	09-Dec-2015 ITSforSURE IMPROVEMENT	SOLVED	09-Dec-2015 at 90
	Set the release-number to 90.3 (because of the changes in the GUI-screens)			
TASK-0400-SURE	Received Reported by Type	14-Dec-2015 UOFW FEATURE	SOLVED	14-Dec-2015 at 90, 80
	Make it possible to define a new task in batch mode (via program RESPECT/SURE/BATCH), but with a self-chosen			

Task	Status	Date ready	Release
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name, or via a project and task-type

Solution: It is now possible to add a new task via program RESPECT/SURE/BATCH via a task-group, or via a project and task-type.
RUN RESPECT/SURE/BATCH("NEWTASK","<param2>","<task description>")

Param2 =

```
|-----<-----|
----- PROJECT = <project> -----|
|-- TASK-TYPE = <task-type> -----|
|-- NAME = <self chosen task-name> -----|
|-- <task-group> -----|
```

The task name is determined as follows:

- If parameter NAME is used then the task will get the <self chosen task name>
- Otherwise, if a task-group is used, then the task name is created via the 'task-group' naming standard
- Otherwise, the task name is created via the regular naming standard for new tasks.

Task-group:

- The newly created task inherits the project and the task-type of the task-group.

TASK-TYPE = <task-type>:

- This defines the task-type. It may override the task-type of the task-group

PROJECT = <project>

- This defines the project of the task. It may override the project of the task-group

The newly created task is automatically assigned to the user who runs RESPECT/SURE/BATCH("NEWTASK")

TASK-0401-SURE	Received Reported by Type	14-Dec-2015 ANDIMA FEATURE	SOLVED	14-Dec-2015	at 90
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New: Add or delete a relation in batch mode

Solution: See the task explanation form or the task attachment in SURE for detailed information

TASK-0402-SURE	Received Reported by Type	14-Dec-2015 ITSforSURE IMPROVEMENT	SOLVED	06-Apr-2016	at 90
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Do not allow a task to be transferred if one of the linked files belongs to a system that is excluded on the target environment

Solution: This happened when the target environment was excluded for the system of the file, after the file was linked to the task.
The solution is that the file has to be moved to another task with the same system as the file-system.

TASK-0404-SURE	Received Reported by	16-Dec-2015 UOFW	SOLVED	17-Dec-2015	at 90, 80
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Task	Status		Date ready	Release
	Type	FEATURE		
	RESPECT/SURE/COMPILE supports now also the compilation of a GUARDFILE			
	A source has to be processed (compiled) by *SYSTEM/GUARDFILE to produce the actual guardfile. The following is defined by the user:			
	- A dummy compiler that invokes *SYSTEM/GUARDFILE with fileequates for SOURCE, GUARD, LINE and ERRORS.			
	- A filetype 'GUARDFILESOURCE' and set that to use the 'dummy' compiler.			
TASK-0405-SURE	Received Reported by Type Severity Probability	16-Dec-2015 CSI ERROR SEVERE RARE	SOLVED	18-Dec-2015 at 90, 80
	SURE-backend fails to initialize and goes in a loop with message 'database error at close'			
Solution:	This happened at a situation where the database-pack was full and dataset DSTOR could not expand			
TASK-0406-SURE	Received Reported by Type Severity Probability	16-Dec-2015 ITSforSURE ERROR SEVERE RARE	SOLVED	16-Dec-2015 at 90
	(subtask) SURE-backend fails to initialize and goes in a loop with message 'database error at close'			
TASK-0407-XX	Received Reported by Type	28-Dec-2015 ITSforSURE FEATURE	SOLVED	02-Jan-2016 at 90
	(subtask) Support Archive Environment			
	Dependent of	TASK-0392-SURE	New: support an 'Archive' environment in SURE. Old sources can be moved	
TASK-0408-SURE	Received Reported by Type	28-Dec-2015 WUH IMPROVEMENT	SOLVED	03-Jan-2016 at 90
	Make CVS input socket interface reentrant to allow multiple connections (from same Eclipse client)			
TASK-0409-SURE	Received Reported by Type	29-Dec-2015 SNS FEATURE	SOLVED	03-Jan-2016 at 90, 80

Task			Status	Date ready	Release
Make CVS input socket interface reentrant to allow multiple connections (from same Eclipse client) (also TASK-0408-SURE)					
TASK-0410-SURE	Received Reported by Type Severity Probability	31-Dec-2015 WUH ERROR SEVERE RARE	SOLVED	02-Jan-2016	at 90, 80
If function Check-out is used on a file in a system with disabled option 'Put copy-files in work-directory', and global option 'Use work-environment of the system of the file' is enabled, then the copy-files must be placed temporarily under the same usercode where the checked-out file is placed, but sometimes this does not happen.					
TASK-0411-SURE	Received Reported by Type Severity Probability	02-Jan-2016 UNISYS ERROR SEVERE CERTAIN	SOLVED	03-Jan-2016	at 90, 80
For binary files it is possible to define that delta-files have to be kept in SURE. But for binary MCP files (with filekind = DATA) the delta-files are always removed at the next SURE batch.					
Solution:	This happened only for delta-files of binary MCP data-files				
TASK-0413-SURE	Received Reported by Type	04-Jan-2016 SNS FEATURE	SOLVED	12-Jan-2016	at 90
Introduction of a new file-attribute: 'Short Description'					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0415-RFW	Received Reported by Type	05-Jan-2016 ITSforSURE IMPROVEMENT	SOLVED	11-Jan-2016	at 90
If the first line of a task-description contains a '@' then that description is sometimes truncated when shown in the SURE browser					
TASK-0418-SURE	Received Reported by Type	11-Jan-2016 ITSforSURE FEATURE	SOLVED	12-Jan-2016	at 90
Introduction of new task attributes: SEVERITY and PROBABILITY					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				

Task	Status		Date ready	Release
TASK-0419-SURE	Received Reported by Type	11-Jan-2016 ITSforSURE FEATURE	SOLVED	11-Jan-2016 at 90
New option: determine the priority of a task automatically, based on the task-severity and the task-probability				
Solution: See the task explanation form or the task attachment in SURE for detailed information				
TASK-0420-SURE	Received Reported by Type	06-Jan-2016 UNISYS FEATURE	SOLVED	16-Jan-2016 at 90
New option: define SLA parameters in SURE				
Solution: See the task explanation form or the task attachment in SURE for detailed information				
TASK-0421-SURE	Received Reported by Type	12-Jan-2016 ITSforSURE IMPROVEMENT	SOLVED	13-Jan-2016 at 90
Report function 'Releases or Patch overview': add column 'Fixed in Release'. Delete column 'Solved by'				
TASK-0422-SURE	Received Reported by Type	13-Jan-2016 ITSforSURE FEATURE	SOLVED	13-Jan-2016 at 90
New: users who are responsible for an environment will get a warning at log-on when one or more programs have COMPILE-STATUS SYNTAX in that environment				
Solution: See the task explanation form or the task attachment in SURE for detailed information				
TASK-0423-SURE	Received Reported by Type Severity Probability	13-Jan-2016 ITSforSURE ERROR SEVERE POSSIBLE	SOLVED	13-Jan-2016 at 90
Crash on Get Latest Version of directory.				
TASK-0424-SURE	Received Reported by Type Severity Probability	15-Jan-2016 ITSforSURE ERROR SEVERE POSSIBLE	SOLVED	15-Jan-2016 at 90
Quick Fix dialog crashes when select environment returns an error msg.				

Task	Status	Date ready	Release
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TASK-0425-RIS	Received Reported by Type	16-Jan-2016 ITSforSURE IMPROVEMENT	SOLVED	16-Jan-2016	at 90
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Function Purge must ignore the Archive Environment

TASK-0426-SURE	Received Reported by Type	19-Jan-2016 ANDIMA IMPROVEMENT	SOLVED	27-Jan-2016	at 90
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Test and improve the email functionality:
 - Easier configuration of email functionality
 - Improved method to handle attachments for non-tasks emails
 - New: a method to email print-files created by RESPECT/PRINT

Solution: See the task explanation form or the task attachment in SURE for detailed information

TASK-0427-SURE	Received Reported by Type	19-Jan-2016 SNS FEATURE	SOLVED	27-Jan-2016	at 90
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New function: "Clean local work directory"

Solution: See the task explanation form or the task attachment in SURE for detailed information

TASK-0428-SURE	Received Reported by Type	20-Jan-2016 ANDIMA FEATURE	SOLVED	23-Jan-2016	at 90, 80
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RESPECT/SURE/TRANSFER must email the overview of deployed files to the team-leaders

TASK-0429-SURE	Received Reported by Type	26-Jan-2016 ITSforSURE IMPROVEMENT	SOLVED	27-Jan-2016	at 90
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Move AS_COMP INI file to folder %ProgramData%\ITSforSURE

Solution: File AS_COMP.INI contains information about local compilations that are started from SUREforWindows:
 - Compilation parameters that control the process
 - For each source that was compiled via the Local Compilation method: the duration in seconds

AS_COMP.INI was previously located in the C:\WINDOWS directory, but this may cause issues under Windows-8. That is why we moved the file to directory %ProgramData%\ITSforSURE

Task			Status	Date ready	Release
<p>The exact solution is as follows:</p> <ul style="list-style-type: none">- A local compile via SUREforWindows of release 80 (and earlier) still uses the old method, where AS_COMP.INI is placed and searched in the C:\WINDOWS directory- A local compile via SUREforWindows of release 90 copies AS_COMP.INI from C:\WINDOWS to %ProgramData%\ITSforSURE, but only if AS_COMP.INI is not yet resident in that directory- A local compile via SUREforWindows of release 90 (and never) places and searches AS_COMP.INI in directory %ProgramData%\ITSforSURE					
TASK-0430-SURE	Received Reported by Type	27-Jan-2016 ITSforSURE FEATURE	SOLVED	22-Feb-2016	at 90
New Life Cycle folder 'Tasks done recently'					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0431-SURE	Received Reported by Type Severity Probability	27-Jan-2016 SNS ERROR MINOR RARE	SOLVED	27-Jan-2016	at 90
Function 'Log' in the file-menu is sometimes disabled, but the file actually has a log					
Solution:	This happened if the file only had log-information for functions Compilation and Deploy, and no log-information for all other functions.				
TASK-0433-SURE	Received Reported by Type Severity Probability	28-Jan-2016 WUH ERROR MODERATE POSSIBLE	SOLVED	28-Jan-2016	at 90, 80
Logically removed files must be deleted physically when the 'logically removed' period is expired. But sometimes this does not happen on the higher environments.					
TASK-0434-SURE	Received Reported by Type	29-Jan-2016 ITSforSURE FEATURE	SOLVED	29-Jan-2016	at 90
Make it possible to used http links in the SUREforWindows Help menu					
Solution:	<p>For example:</p> <p>SURE releasenotes 80=http://itsforsure.nl/docs/Releasenotes80.docx</p> <p>This makes it also possible to define a link to a location in SharePoint</p>				
TASK-0435-SURE	Received Reported by Type	01-Feb-2016 ITSforSURE FEATURE	SOLVED	02-Feb-2016	at 90

Task			Status	Date ready	Release
Implement INI section [SITEHELP] to contain site specific Help menu entries. This section will remain unchanged when the SURE-GUI is upgraded to a newer version					
Solution:	Up until now the site specific help files had to be defined in section [SUREHELP] in ini file AW_OBJ.INI. This made it difficult to do an automatic upgrade of the [SUREHELP] section when a new Sfw version was installed, because it is difficult to recognize which help definitions are site-specific and which are standard SURE help definitions. With the new [SITEHELP] section this problem is solved: - Section [SUREHELP] will be refreshed completely with each SUREforWindows-installation - Site specific help definitions have to be placed in section [SITEHELP], which won't be touched by the Sfw-installer. Please notice that the site specific help definitions have to be moved manually from section [SUREHELP] to section [SITEHELP] at the upgrade to release 90.				
TASK-0436-SURE	Received Reported by Type	01-Feb-2016 ITSforSURE FEATURE	SOLVED	03-Feb-2016	at 90
Review the Help Menu					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0437-SURE	Received Reported by Type	03-Feb-2016 ITSforSURE FEATURE	SOLVED	06-Feb-2016	at 90
Review the Task Reports					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0438-SURE	Received Reported by Type Severity Probability	12-Feb-2016 SNS ERROR MINOR RARE	SOLVED	15-Feb-2016	at 90
Functions Select and Add to My folder do not set the correct environment when invoked through a double click.					
Solution:	This happened for files that did not exist in all environments, in combination with a double click to open folder Select => Select File. If you first selected a file (via a double click on Select => Select File) in an environment where it does not exist, followed by a select of that same file (via a double click on Select => Select File) in an environment where it does exist, then the select of another file (via a double click on Select => Select File) did not work.				
TASK-0439-SURE	Received Reported by Type Severity Probability	17-Feb-2016 BBL ERROR SEVERE POSSIBLE	SOLVED	17-Feb-2016	at 90
Crash of program RESPECT/TASK/LIST, when started with option 'Transferred tasks' and forms-mode enabled					

Task			Status	Date ready	Release
Solution: This was caused by a nested sort					
TASK-0440-SURE	Received	17-Feb-2016	SOLVED	17-Feb-2016	at 90
	Reported by	SNS			
	Type	ERROR			
	Severity	MINOR			
	Probability	RARE			
The SfW GUI crashes if one of the 3 root nodes (Configuration, Organization or Environment) is selected and then button [left arrow] is pressed.					
Solution: This error was already in the software for a long time. Nobody has noticed it before.					
TASK-0442-SURE	Received	17-Feb-2016	SOLVED	13-Mar-2016	at 90
	Reported by	SNS			
	Type	ERROR			
	Severity	MODERATE			
	Probability	RARE			
Segment array error at function Select File					
Solution: If the array is resized and the new size exceeds 65535 words, then the PAGED option is used					
TASK-0443-SURE	Received	22-Feb-2016	SOLVED	22-Feb-2016	at 90
	Reported by	SNS			
	Type	ERROR			
	Severity	MINOR			
	Probability	POSSIBLE			
A file name in subfolder 'Linked' of a task disappears, if that file name is preceded by an environment name. If the folder is refreshed then the file name appears again.					
Solution: This happened for tasks that are transferred to a higher environment (but not to status solved). If you select such a task on the lowest environment then each linked files is preceded with the name of the environment where it is linked to the task. If you then clicked on the + in front of the file name, the line was made empty. It was only a presentation error in SfW.					
TASK-0444-RFW	Received	25-Feb-2016	SOLVED	14-Mar-2016	at 90
	Reported by	ITSforSURE			
	Type	FEATURE			
Clean up obsolete entries from the AW_OBJ.INI file					
	Controls	TASK-0469-SURE	The Query dialogue does not correctly pre-fill the previously used param		
TASK-0445-SURE	Received	29-Feb-2016	SOLVED	13-Mar-2016	at 90
	Reported by	BBL			
	Type	IMPROVEMENT			

Task	Status	Date ready	Release
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Improve the performance of the program that upgrades the repository from release 80 to release 90.

Solution: The following changes contributed to the resolution of this issue:

- Move the conversion of run-information and log-information to a later phase, which improves the speed because of another access method.
- Reduce the amount of InitPbits (the total number of InitPbits during the conversion was originally 150 million).
- Skip old run-information for files that are only known in SURE as a name.
- Skip old FOUND-records in DINFO, because these are obsolete.

TASK-0446-SURE	Received Reported by Type Severity Probability	04-Mar-2016 SNS ERROR MODERATE POSSIBLE	SOLVED	06-Apr-2016	at 90, 80
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Function "delete/rename directory for all environments":
 - Files that are already deleted in the current environment but not in the other environment are not deleted
 - SUREforWindows does not show the progress

Solution: SURE searches now in all environments for files in the directory that has to be deleted.

SUREforWindows shows now the progress: the percentage done is shown every 5 seconds.

The solutions on the MCP side and the GUI side are not dependent of each other

TASK-0447-SURE	Received Reported by Type	07-Mar-2016 ITSforSURE FEATURE	SOLVED	17-May-2016	at 90
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Update documentation to Release 90.3

TASK-0448-SURE	Received Reported by Type Severity Probability	07-Mar-2016 ITSforSURE ERROR SEVERE RARE	SOLVED	14-Mar-2016	at 90
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Another attempt at solving the match file text duplication problem.

TASK-0449-SURE	Received Reported by Type	11-Mar-2016 ITSforSURE FEATURE	SOLVED	13-Mar-2016	at 90
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Clean the run-info also for files that are only known in SURE as a name

Task	Status		Date ready	Release
Solution:	<p>Run statistics are copied from the sumlog into SURE by program RESPECT/SURE/LOG</p> <p>In the case that the sumlog entry belongs to a WFL job there is no check on the object-location of that WFL (because that information is not kept in the sumlog). As a result: the run statistics of a WFL job are loaded in SURE as soon as the name of that WFL job is known in SURE. Notice that the name of a WFL job may be entered automatically in SURE via the examine process.</p> <p>The problem was that the run-statistics were not cleaned for files that are only known in SURE by name, and that resulted for some of these WFL-jobs (which run many times of a day) in a very huge amount of records with run-statistics. An inquire on those statistics resulted in a crash of SfW</p> <p>The solution is that the cleaning process cleans now all files that contain run statistics, which keeps the number of records low</p>			
TASK-0450-SURE	Received Reported by Type Severity Probability	14-Mar-2016 ITSforSURE ERROR NEGLIGIBLE POSSIBLE	SOLVED	23-Mar-2016 at 90
Solution:	<p>When creating a new environment by copying environment DEVELOP, I get an error message "user maintenance environment is already defined" in DEVELOP</p> <p>The solution was to empty the check-boxes 'Phase 1, 2, 3 development' for the newly created environment. This is now done automatically when the new environment is added. The correct settings of these check-boxes have to be defined afterwards when the new environment is available.</p>			
TASK-0453-SURE	Received Reported by Type	14-Mar-2016 ITSforSURE FEATURE	SOLVED	14-Mar-2016 at 90
Solution:	Rename the documents of the SURE manual			
TASK-0454-SURE	Received Reported by Type	14-Mar-2016 ITSforSURE FEATURE	SOLVED	06-Sep-2016 at 90
Solution:	Update documentation to release 90.3. Part 2			
TASK-0455-SURE	Received Reported by Type	16-Mar-2016 ITSforSURE FEATURE	SOLVED	30-Mar-2016 at 90
Solution:	<p>Suppress a directory in the directory-tree of an environment if all files in that directory are purged in that environment but some of those files are still available in another environment</p> <p>Each fifth day the complete directory structure is checked by batch program RESPECT/SURE/MATCH. Directories that don't contain any file in a SURE-environment (in the directory itself or in one of its sub-directories) are marked as EMPTY for that environment.</p>			

Task			Status	Date ready	Release
<p>If a file is added to an empty directory in an environment, then the EMPTY-mark is deleted for that environment. This may happen at functions new-file, batch-load, transfer, recover, reprocess-quick-fix, restore-from-archive and copy-to-archive.</p> <p>If the last file of a directory is deleted, then that directory remains visible until the batch function has run.</p>					
TASK-0457-SURE	Received Reported by Type	19-Mar-2016 ITSforSURE FEATURE	SOLVED	03-Apr-2016	at 90
Describe the usage and content of the configuration file AW_OBJ.INI					
TASK-0459-SURE	Received Reported by Type	19-Mar-2016 ITSforSURE IMPROVEMENT	SOLVED	23-Mar-2016	at 90
Improve the layout of the extended text of error messages					
Solution:	<p>There were many unwanted carriage-returns in the error text for old texts, and sometimes a space character was skipped.</p> <p>The final solution requires also loading a new version of the messages file.</p> <ul style="list-style-type: none">- The messages file is called RESPECT/DUMP/MESSAGES/E- Load the messages file with the new version of OBJECT/RESPECT/REPOSITORY, as follows: RUN RESPECT/REPOSITORY("LOAD-MESSAGES E"); <p>The solutions on the MCP side and the GUI side are not dependent of each other</p>				
TASK-0461-SURE	Received Reported by Type Severity Probability	20-Mar-2016 SNS ERROR SEVERE POSSIBLE	SOLVED	20-Mar-2016	at 90
Bad response when function 'Select file' is used with the following search key: *.XML					
Solution:	<p>A search key for function 'Select => Select file' that starts with a wildcard resulted in a linear search over all file names, and then for each file name all search nodes are checked. That takes a long time and it also uses much processor time.</p> <p>There are alternative search keys available, such as:</p> <ul style="list-style-type: none">- Function 'Select => Select file' with search key 'XML=' returns all files with a node or extension that starts with 'XML'- Function 'Select => Select file' with search key 'XML' returns one file with node/extension 'XML'- Function 'Datamodel => Select' with search key 'XML' returns all files with node/extension 'XML' (RIS only) <p>These alternative search methods give response within seconds. So there is no need to use a search key that starts with a wildcard.</p> <p>Therefore we de-implemented the search key that starts with a wildcard: SURE gives now an error message if a search key is used for function 'Select => Select file' that starts with a wildcard.</p>				
TASK-0463-SURE	Received Reported by Type	21-Mar-2016 ITSforSURE ERROR	SOLVED	25-Mar-2016	at 90

Task	Status		Date ready	Release
	Severity Probability	MODERATE CERTAIN		
	If I try to define a macro with {#} I get the error "date parameter in query expression wrong"			
TASK-0464-SURE	Received Reported by Type Severity Probability	21-Mar-2016 ITSforSURE ERROR MINOR CERTAIN	SOLVED	25-Mar-2016 at 90
	<p>Fix issues on the Query screen:</p> <ul style="list-style-type: none"> - Token MY-TASK is not always recognized. For example IMPACT(MY-TASK) - The syntax with square brackets does not work. For example STATUS(DEVELOP) AND [PROBLEM-TYPE(ERROR) OR PROBLEM-TYPE(FEATURE)] - Improve the method to handle the token NOT when used as a class: if it can't be a class, then change it to operator NOT 			
Solution:	<p>If token MY-TASK is used but there is no current task, then an error message is given.</p> <p>If syntax NOT(<asset>) is used, but 'NOT' is not a valid class for that asset, then the phrase is interpreted as NOT (<asset>) , (with a space behind the NOT)</p>			
TASK-0465-SURE	Received Reported by Type	22-Mar-2016 WUH FEATURE	SOLVED	23-Mar-2016 at 90, 80
	<p>SURE build server: SURE keeps a list with files that are deleted in SURE and were linked to a build-server. The next build for that server deletes those files also on the build-location on disk. The delete on disk must not be done for files that are already reloaded in SURE, otherwise the build will fail.</p> <p>The workaround for this issue is to put the files again in the build queue and to start the build again, but that is unhandy because we want that the build runs unattended.</p>			
Solution:	<p>Files that are deleted in SURE are added to the 'remove-on-build-location' queue.</p> <p>Files that are reloaded in SURE are now removed from the 'remove-on-build-location' queue, so that the build won't delete them anymore on disk.</p>			
TASK-0466-SURE	Received Reported by Type	22-Mar-2016 WUH IMPROVEMENT	SOLVED	23-Mar-2016 at 90, 80
	<p>Allow to close or deny a task after all connected files or commands are delinked from that task, and remove the DELINKED relations when the task is closed or denied</p>			
Solution:	<p>Previously it was not possible to close or deny a task when that task contained only delinked commands. In that case the task had to be promoted to the last environment (where the delinked commands were not executed (that was correct)).</p> <p>The new method is easier for the users and gives less confusion.</p>			

Task				Status	Date ready	Release
TASK-0467-SURE	Received Reported by Type	23-Mar-2016 ITSforSURE FEATURE	SOLVED		23-Mar-2016	at 90
Remove files that are deleted/renamed in SURE from the list 'Last Edited'.						
Controls TASK-0485-SURE Option "Maximum number of entries" does not work for the list "Last Edit						
Solution:	Previously, files that were deleted or renamed in SURE were not removed from the list 'Last Edited'. That caused unexpected error messages 'File not found', each time when the Last Edited list was opened or updated.					
This happened when a file was first checked-out/checked-in and then removed from SURE.						
Unknown files are now automatically removed from the list when the list is opened or updated.						
TASK-0468-SURE	Received Reported by Type Severity Probability	24-Mar-2016 ITSforSURE ERROR MINOR CERTAIN	SOLVED		25-Mar-2016	at 90
Macro definition field 'Allowed by user' does not show the correct User-id's						
Solution:	The list showed the Usercodes that are known in SURE and not the User-id's					
TASK-0469-SURE	Received Reported by Type Severity Probability	24-Mar-2016 ITSforSURE ERROR MINOR RARE	SOLVED		25-Mar-2016	at 90
The Query dialogue does not correctly pre-fill the previously used parameters						
Dependent of TASK-0444-RFW Clean up obsolete entries from the AW_OBJ.INI file						
Solution:	This was caused by changed for TASK-0444-RFW and it happened only in the development environment of ITSforSURE					
TASK-0470-SURE	Received Reported by Type	28-Mar-2016 ITSforSURE FEATURE	SOLVED		25-May-2016	at 90
Show external messages from batch programs in a new window						
Solution:	See the task explanation form or the task attachment in SURE for detailed information					
TASK-0471-SURE	Received Reported by Type Severity Probability	29-Mar-2016 ITSforSURE ERROR MINOR RARE	SOLVED		30-Mar-2016	at 90

Task	Status	Date ready	Release
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Crash of SUREforWindows when opening a directory that contains 33 sub-directories but no files, followed by a refresh of that directory.

TASK-0472-SURE	Received Reported by Type	30-Mar-2016 SNS IMPROVEMENT	SOLVED	01-Apr-2016	at 90, 80
Upgrade CVS interface to version 1.0					

TASK-0473-SURE	Received Reported by Type Severity Probability	30-Mar-2016 WUH ERROR MINOR POSSIBLE	SOLVED	30-Mar-2016	at 90
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Sometimes a file has a status in an environment where that file does not exist

Solution: The function to re-calculate the status of a file for all environments contained an error. That is now fixed. The status of a file is re-calculated when function Right-click ==> Status is used.

TASK-0476-SURE	Received Reported by Type Severity Probability	01-Apr-2016 SNS ERROR MAJOR RARE	SOLVED	01-Apr-2016	at 90
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DUPLICATES error when changing info

Solution: This happened on a moment that the MCP system was very busy processing other programs. It is now fixed

TASK-0477-SURE	Received Reported by Type Severity Probability	17-Apr-2016 BBL ERROR MINOR POSSIBLE	SOLVED	19-Apr-2016	at 90
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RESPECT/SURE/COMPILE uses by default the COBOL74 compiler for COBOL85 programs. There is a workaround by defining the correct compiler via the options, but the default method should also work

TASK-0478-SURE	Received Reported by Type	03-Apr-2016 ITSforSURE FEATURE	SOLVED	05-Apr-2016	at 90
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A checked-out file is skipped by RESPECT/SURE/REPLACE when it has to be replaced. Give a warning when this happens.

Task	Status		Date ready	Release
Solution:	<p>The skipped files are marked with relation <filename> - SURE - REPLACED If only one file is skipped then the name of the skipped file is returned with the 'Replace-done' message</p> <p>The following warning is given when the skipped file is checked-in: "Warning: the file is skipped by SURE-REPLACE because it was checked-out. Contact user <user-who-did-the-replace> for details."</p>			
TASK-0479-SURE	Received Reported by Type	03-Apr-2016 SNS IMPROVEMENT	SOLVED	03-Apr-2016 at 90
	Improve the error message if a new task must be added as sub-task of another task, but no other task is entered on the screen			
TASK-0480-SURE	Received Reported by Type Severity Probability	03-Apr-2016 SNS ERROR MODERATE POSSIBLE	SOLVED	03-Apr-2016 at 90
	A new file is added in SURE, but it cannot be found via its last file-node in function Select File. The file is only found if the full file name is used in function Select File. For other files it works well.			
Solution:	<p>This happened when a new file is added in SURE but the name of the new file was already known in SURE. In that case the SEARCH keys for that file were not added.</p> <p>The search keys are now always linked to the file name when a file is added in SURE.</p> <p>An extra check on the search keys is done each time when the file is checked-in.</p>			
TASK-0481-SURE	Received Reported by Type Severity Probability	04-Apr-2016 ITSforSURE ERROR NEGLIGIBLE POSSIBLE	SOLVED	04-Apr-2016 at 90
	Option 'Reminder' from the Modify-menu of the internal Task screen does not update the reminder info but the solution info			
Solution:	Remove option 'Reminder' from the Modify-menu of the internal Task screen. A task-reminder must be modified via function: Right click => Reminder			
TASK-0482-SURE	Received Reported by Type Severity Probability	04-Apr-2016 ORDINA ERROR MINOR POSSIBLE	SOLVED	04-Apr-2016 at 90
	When two right panes are active in the SURE-browser, and both are filled with data via a macro, then only the last filled pane can be refreshed correctly.			

Task			Status	Date ready	Release
TASK-0483-SURE	Received Reported by Type Severity Probability	05-Apr-2016 ITSforSURE ERROR SEVERE POSSIBLE	SOLVED	05-Apr-2016	at 90
Loop in batch program RESPECT/SURE/REPLACE					
Solution:	This happened when the REPLACE-command was linked to a task and re-executed on a higher environment after the task was transferred				
TASK-0484-SURE	Received Reported by Type Severity Probability	05-Apr-2016 ITSforSURE ERROR MINOR POSSIBLE	SOLVED	05-Apr-2016	at 90
At a REPLACE where the replace-command is linked to a task, the option 'Match Case' is not linked to that task. That may give different replace results on the higher environments					
TASK-0485-SURE	Received Reported by Type Severity Probability	06-Apr-2016 ITSforSURE ERROR MINOR RARE	SOLVED	19-Apr-2016	at 90
Option "Maximum number of entries" does not work for the list "Last Edited".					
Dependent of		TASK-0467-SURE	Remove files that are deleted/renamed in SURE from the list 'Last Edited'		
Solution:	This was caused by changed for TASK-0467-SURE and it happened only in the development environment of ITSforSURE				
TASK-0486-RFW	Received Reported by Type Severity Probability	07-Apr-2016 BBL ERROR MINOR LIKELY	SOLVED	25-May-2016	at 90
When starting SUREforWindows: the SfW browser does not refresh itself to the last state of the previous SfW session					
Solution:	INI entries OPENENTRY00x and RESTORE00x failed due to text formatting in browser nodes. Remove formatting before writing to INI.				
TASK-0487-SURE	Received Reported by Type	08-Apr-2016 SNS FEATURE	SOLVED	08-Apr-2016	at 90
If the search-key of function Select-File is identical to the last part of an existing PC-file (the name + dot + extension), then return only that file, and not all files with the name as a directory-level.					

Task	Status	Date ready	Release	
<p>Solution: The result of function Select File depends on the usage of a space and/or a dot in the search-key. The search-key is not case sensitive.</p> <p>Examples:</p> <p>Consider the following files:</p> <p>1: PC\TST\TS2\AAA.CPP (with directory-nodes TST and TS2, file-node = AAA and file-extension = CPP)</p> <p>2: PC\TST\TS2\BBB.HPP (with directory-nodes TST and TS2, file-node = BBB and file-extension = CPP)</p> <p>3: PC\AAA\TS2\BBB.CPP (with directory-nodes AAA and TS2, file-node = BBB and file-extension = CPP)</p> <p>If the search-key does not contain a space or dot then this selects all files with (directory-node = search-key or file-node = search-key):</p> <ul style="list-style-type: none">- if the search-key = 'TST' then file 1 and file 2 are selected- if the search-key = 'AAA' then file 1 and file 3 are selected <p>If the search-key contains a space and no dot then the search-key is separated in search-node1 and search-node2. This selects all files with (directory-node = search-node1 or file-node = search-node1) and (directory-node = search-node2 or file-node = search-node2):</p> <ul style="list-style-type: none">- if the search-key = 'TST AAA' then file 1 is selected- if the search-key = 'TST CPP' then nothing is selected <p>If the search-key contains a dot and no space then the search-key is separated in a search-node and a search-extension. This selects all files with (file-node = search-node and file-extension = search-extension). If nothing is found then it selects all files with (directory-node = search-node and file-extension = search-extension):</p> <ul style="list-style-type: none">- if the search-key = 'AAA.CPP' then file 1 is selected (and file 3 is not selected)- if the search-key = 'TST.HPP' then file 2 is selected (because there is no file name that ends withTST.HPP) <p>If the search-key contains a space immediately followed by a dot then the search-key is separated in a search-node and a search-extension. This selects all files with (file-extension = search-extension) and (file-node = search-node or directory-node = search-node):</p> <ul style="list-style-type: none">- if the search-key = 'AAA .CPP' then file 1 and file 3 are selected- if the search-key = 'TST .CPP' then file 1 is selected				
TASK-0489-SURE	Received Reported by Type Severity Probability	12-Apr-2016 ITSforSURE ERROR MINOR POSSIBLE	SOLVED	12-Apr-2016 at 90
Invalid index when RIS/BACKGROUND/IMPACT releases the impact overview				
<p>Solution: This happened in the case that an Archive environment was defined</p>				
TASK-0490-SURE	Received Reported by Type	15-Apr-2016 CEDAE FEATURE	SOLVED	15-Apr-2016 at 90, 70, 80
Make it possible that an object is deployed to multiple locations				
<p>Solution: See the task explanation form or the task attachment in SURE for detailed information</p>				
TASK-0491-SURE	Received Reported by Type Severity	17-Apr-2016 BBL ERROR SEVERE	SOLVED	20-Apr-2016 at 90

Task	Status		Date ready	Release
	Probability	RARE		
	Function 'Transfer Task' crashes if the task contains files of different systems where some environments are excluded for one of those system but not for the others			
Solution:	In release 90 it is not possible to link files of different systems to the same task if the environment-scope of those systems is not the same. This task was added during release 70 when this check was not yet done.			
TASK-0492-SURE	Received Reported by Type	18-Apr-2016 SNS FEATURE	SOLVED	29-Aug-2016 at 90
	Enhance task-type option 'Task of this type must be created as a dependent task of task-type', so that you can enter multiple mastertask-types. The new task must then be dependent on a mastertask of one of those mastertask-types.			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0493-SURE	Received Reported by Type Severity Probability	18-Apr-2016 BBL ERROR MAJOR POSSIBLE	SOLVED	18-Apr-2016 at 90
	RESPECT/SURE/COMPILE does not compile ALGOL-files correctly if it is started with parameter NO-TADS			
TASK-0494-SURE	Received Reported by Type Severity Probability	19-Apr-2016 BBL ERROR MAJOR POSSIBLE	SOLVED	19-Apr-2016 at 90
	RESPECT/SURE/COMPILE goes in waiting status with NO FILE ERRORS/..			
TASK-0496-SURE	Received Reported by Type Severity Probability	20-Apr-2016 ITSforSURE ERROR MODERATE CERTAIN	SOLVED	20-Apr-2016 at 90
	File-properties: it is not possible anymore to give a file multiple functions			
TASK-0497-SURE	Received Reported by Type	20-Apr-2016 ITSforSURE FEATURE	SOLVED	20-Apr-2016 at 90
	Hide the group-names of RIS-modules on the Query screen if the repository does not contain RIS-modules			

Task	Status	Date ready	Release
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Solution: The visibility depends on option 'Use RIS development environment':
 - Global Options => tab 'Development (RIS)' => field 'Use RIS development environment'

If the option is enabled, then all used groups are visible.

If the option is disabled, then groups FILE, TASK, USER, TYPE and MESSAGE are visible

TASK-0498-SURE	Received Reported by Type Severity Probability	20-Apr-2016 ITSforSURE ERROR MINOR RARE	SOLVED	20-Apr-2016	at 90
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I cannot put a task in the deliver-queue if it has status quick-fix

TASK-0499-SURE	Received Reported by Type Severity Probability	20-Apr-2016 ITSforSURE ERROR MINOR CERTAIN	SOLVED	22-Apr-2016	at 90
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TaskMaintenance program repeats error message from a cancelled verification.

TASK-0500-SURE	Received Reported by Type Severity Probability	20-Apr-2016 BBL ERROR MINOR POSSIBLE	SOLVED (already-done)	26-Apr-2016	at 90
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Batch programs that are started via SUREforWindows send a message back to the user who started the program when ready. Sometimes the user does not receive this message

Solution: This was caused by the automatic close of the SfW-connection when the connection was idle for 5 minutes. The connection is automatically re-opened at the next action in SfW.

As a solution we improved the link between the TCPIP-subport and the SURE-session-number, so that messages from batch programs are always correctly sent back to the originator (as long as the originator is still logged on), even when the connection was temporarily closed.

TASK-0501-SURE	Received Reported by Type	20-Apr-2016 BBL FEATURE	SOLVED	21-Apr-2016	at 90
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Some print functions to analyze the repository

Solution: An overview off all tasks that don't have a task-description:
 RUN RESPECT/PRINT("TASKS-WITHOUT-TEXT")

Task	Status	Date ready	Release
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An overview of all files that are known in the highest environment (PROD) but don't have a task history:
 RUN RESPECT/PRINT("CHECK-FILE-HISTORY")

TASK-0502-SURE	Received Reported by Type	20-Apr-2016 BBL FEATURE	SOLVED	20-Apr-2016	at 90
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RIS/MENU, function COMPILESTATUS: make column 'no comp' 4 positions wide

TASK-0503-SURE	Received Reported by Type	20-Apr-2016 BBL FEATURE	SOLVED	20-Apr-2016	at 90
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Add relation FIRST when a file arrives for the first time on an environment

Solution: This relation can be used in queries, to select the files that are new in an environment since a specific date

TASK-0504-SURE	Received Reported by Type Severity Probability	20-Apr-2016 BBL ERROR MINOR CERTAIN	SOLVED	20-Apr-2016	at 90
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Restore previous screen-info in RIS/MENU screens does not work anymore

TASK-0505-SURE	Received Reported by Type	21-Apr-2016 BBL FEATURE	SOLVED	21-Apr-2016	at 90
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Do not allow to delete the task-description via function Right click => Description => button [Delete].

TASK-0506-SURE	Received Reported by Type	21-Apr-2016 BBL FEATURE	SOLVED	21-Apr-2016	at 90
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If a user is defined as security administrator, then only that user may add or delete other usercodes

Solution: If one or more users are defined as security administrator then no other users are allowed to:

- add a usercode
- delete a usercode
- update the attributes of a usercode
- de-activate a usercode
- activate a usercode
- change the employee-functions of a usercode.

Task	Status	Date ready	Release
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We also added an extra verification check at function 'Delete user':
Do you really want to delete this user?

TASK-0507-SURE	Received Reported by Type Severity Probability	21-Apr-2016 BBL ERROR MINOR POSSIBLE	SOLVED	22-Apr-2016	at 90
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For some files the compilation-info is not visible on the File properties screen in Sfw

Solution: This happened for sources with compilation warnings

TASK-0508-SURE	Received Reported by Type Severity Probability	21-Apr-2016 BBL ERROR MODERATE CERTAIN	SOLVED	22-Apr-2016	at 90
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If a WFL-job is syntax-checked by RESPECT/SURE/COMPILE and there are errors, then the error file is not loaded

TASK-0509-SURE	Received Reported by Type	22-Apr-2016 BBL FEATURE	SOLVED	10-May-2016	at 90
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Function COPY work-environment: the check on the option "put copy files in work environment" must only done if the system does not have resource-versioning

TASK-0510-SURE	Received Reported by Type Severity Probability	25-Apr-2016 BBL ERROR MAJOR OFTEN	SOLVED	29-Apr-2016	at 90
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Some files loose the task-history and some tasks loose the task-description

Solution: This could happen if a source with resource versions was checked-out.

Besides that it was possible to remove the task-description via RIS/MENU (WINFRA) as follows:

- On the Task screen
- Specify on <Update> (directly above the Task description) to switch to the info-screen
- On the info-screen: Specify on CLEAR

TASK-0511-SURE	Received Reported by Type Severity Probability	26-Apr-2016 BBL ERROR MINOR CERTAIN	SOLVED	27-Apr-2016	at 90
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Task	Status	Date ready	Release
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Function 'Examine file' starts the EXAMINE-program without a session-number, and therefore the user does not get a message when the examining is done.

TASK-0512-SURE	Received Reported by Type	27-Apr-2016 BBL FEATURE	SOLVED	27-Apr-2016	at 90
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Do not perform the domain-check at function View

Solution:

The domain-check is now done for the following functions:

- Update file properties
- Request file
- Check-out
- Recover file
- Add/update/delete the attachment of a file
- Rename a file
- Delete a file
- Resequence
- Change filekind

TASK-0514-SURE	Received Reported by Type Severity Probability	30-Apr-2016 ITSforSURE ERROR SEVERE RARE	SOLVED	04-May-2016	at 90
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In the case that the highest environment is deleted, the renamed filenames fall back to their previous names

TASK-0515-SURE	Received Reported by Type	30-Apr-2016 ITSforSURE FEATURE	SOLVED	30-Apr-2016	at 90
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Implement the new token MY-ENVIRONMENT in the query and macro syntax. MY-ENVIRONMENT is substituted by the name of the current environment when the query/macro is executed

Solution:

Some examples of the new syntax:

Query group = TASK
 Query expression = MY-ENVIRONMENT*ARRIVED({>TODAY - 10})
 - This selects all tasks that arrived on the current environment during the last 10 days

Query group = FILE
 Query expression = STATUS(MY-ENVIRONMENT)
 - This selects all files with a file-version on the current environment that differs from the next environment

TASK-0516-SURE	Received Reported by Type	30-Apr-2016 ITSforSURE FEATURE	SOLVED	11-May-2016	at 90
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Task			Status	Date ready	Release
<p>Make it possible to close a task when one or more files are linked to that task.</p> <ul style="list-style-type: none">- This requires an extra verification.- All linked files are then delinked from the task.- The files names are placed in the history of the task, with an indication that they were delinked.					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0517-SURE	Received Reported by Type	30-Apr-2016 BBL IMPROVEMENT	SOLVED	21-Aug-2016	at 90
Improve the resource usage of RESPECT/SURE/EXAMINE					
Solution:	The program uses now less INITPBITS and ARRAY-resizes				
TASK-0518-SURE	Received Reported by Type	30-Apr-2016 ITSforSURE FEATURE	SOLVED	30-Apr-2016	at 90
RESPECT/SURE/MATCH must not check the expiry date of delta-files in an archive environment					
TASK-0519-SURE	Received Reported by Type	30-Apr-2016 BBL FEATURE	SOLVED	06-Jun-2016	at 90
Create a log of the activities of a user					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0522-SURE	Received Reported by Type	30-Apr-2016 BBL FEATURE	SOLVED	06-May-2016	at 90
Make a dump/load procedure to dump task-history of a file in a data-file, and to load it back					
Solution:	<p>The procedure is as follows:</p> <p>To dump the file-history:</p> <ul style="list-style-type: none">- RUN RESPECT/REPOSITORY("DUMP-FILE-HISTORY <filename>") This creates a data-file called RESPECT/DUMP/FILEHIST (the internal filename = DULO) <p>To load the file-history:</p> <ul style="list-style-type: none">- RUN RESPECT/REPOSITORY("DUMP-FILE-HISTORY <filename>") This loads the records of RESPECT/DUMP/FILEHIST as history to <filename>				
TASK-0523-SURE	Received Reported by Type	30-Apr-2016 BBL FEATURE	SOLVED	10-May-2016	at 90
Add the following check: a copy-file cannot be promoted to a SURE-environment (for example env. PROD) if one of its					

Task	Status		Date ready	Release
	referencing programs is linked to a reorg-queue in that environment.			
Solution:	This is the same check as the existing one on a program: a program cannot be promoted to a SURE-environment if it is linked to a reorg-queue in that environment			
TASK-0524-SURE	Received Reported by Type Severity Probability	01-Jun-2016 ITSforSURE ERROR MODERATE POSSIBLE	SOLVED	01-Jun-2016 at 90
	If the object-location of a system is changed, then the inherited object-locations of the files of that system must change too, but that did not happen			
TASK-0525-SURE	Received Reported by Type	30-Apr-2016 SNS FEATURE	SOLVED	09-May-2016 at 90
	Function Add to Archive: give a warning if the file or component is still referenced			
TASK-0526-RIS	Received Reported by Type	30-Apr-2016 WUH FEATURE	SOLVED	17-Jun-2016 at 90
	Function Recover: make it possible to define the 'environment-from' and 'environment-to'. The file or RIS-component will then be recovered from the entered environment-from to the environment-to, and to all environments in between			
Solution:	<p>For the implementation of this feature we had to change the Sfw-GUI and the OBJECT/RIS/API/= server on the MCP:</p> <ul style="list-style-type: none"> - The old Sfw-GUI is still compatible with the new OBJECT/RIS/API/= server, but then the old recover method is still used. - The new Sfw-GUI must be installed after (or together with) the new OBJECT/RIS/API/= server. <p>See the task explanation form or the task attachment in SURE for detailed information</p>			
TASK-0527-SURE	Received Reported by Type	01-May-2016 ITSforSURE FEATURE	SOLVED	04-May-2016 at 90
	<p>If a user starts a SURE batch-program from SUREforWindows (for example at SURE FIND), then that batch-program returns a message to the user when it started, when it completed or when it aborted because of wrong input.</p> <p>Show the mix-number of the batch-program also in these messages.</p>			
TASK-0528-SURE	Received Reported by Type Severity Probability	02-May-2016 ITSforSURE ERROR NEGLIGIBLE RARE	SOLVED	02-May-2016 at 90

Task	Status	Date ready	Release
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If an Archive environment is created then the configuration settings are not always properly re-initialized. This causes that other users won't notice the Archive environment immediately, but only after the next log-on.

TASK-0529-SURE	Received Reported by Type Severity Probability	02-May-2016 ITSforSURE ERROR NEGLIGIBLE POSSIBLE	SOLVED	05-May-2016	at 90
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Strange error message if option 'Is Baseline of system' is entered on the System properties screen

Solution: The error messages are now clear

TASK-0530-SURE	Received Reported by Type	02-May-2016 ITSforSURE FEATURE	SOLVED	05-May-2016	at 90
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Function Global Options => tab SURE => SURE Site Library: Give a warning if an object name is entered but that object is not resident on disk.

Solution: It is possible to ignore the warning and the enter the Site Library Objectname anyway

TASK-0531-SURE	Received Reported by Type Severity Probability	03-May-2016 BBL ERROR MAJOR POSSIBLE	SOLVED	09-May-2016	at 90
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The Examine function forgets to add a database relation for some COBOL85 sources

Solution: The following issues are fixed:

- A source was not scanned correctly if statement ENVIRONMENT DIVISION is not used
- The syntax \$ INCLUDE "<copy-file>" ("<comp-id>") was not handled correctly

TASK-0533-SURE	Received Reported by Type Severity Probability	10-May-2016 ITSforSURE ERROR MINOR RARE	SOLVED	10-May-2016	at 90
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Function COPY work-environment gives an error message 'File is already resident on disk' but the file is not resident

Solution: This happened when a compile-translate-table was resident on disk under the work-environment usercode + pack. This is a special case where the work-environment is the same as the SURE-batch-environment, and translate-tables are used for the compilations.

So the wrong error message was given. The message is changed to 'Cannot copy, because compile-translate-table is resident', so that the user is better informed.

Task	Status		Date ready	Release
TASK-0534-SURE	Received Reported by Type	11-May-2016 BBL FEATURE	SOLVED	11-May-2016 at 90
Make a new print function to print the entries in the security log that are added since a specific date.				
Solution: RUN RESPECT/PRINT("SECURITY-LOG <from parameter>")				
<from-parameter> = FROM ----- <yyyymmdd> ----- -- TODAY - <days> ---				
TASK-0536-SURE	Received Reported by Type	13-May-2016 ITSforSURE FEATURE	SOLVED	25-May-2016 at 90
Add browser node 'Teams and members'				
Solution: See the task explanation form or the task attachment in SURE for detailed information				
TASK-0538-SURE	Received Reported by Type	14-May-2016 ITSforSURE FEATURE	SOLVED	24-May-2016 at 90
Preparation to make it possible to send a message to one or more users or to a team				
TASK-0539-SURE	Received Reported by Type	15-May-2016 BBL IMPROVEMENT	SOLVED	15-May-2016 at 90
Improve the performance by reducing the number of INITPBITS				
TASK-0540-SURE	Received Reported by Type	15-May-2016 SNS FEATURE	SOLVED	15-May-2016 at 90
Function 'Load PC files': if option 'All Environments' is enabled then the files are loaded in all environments, but they must not be loaded in an Archive environment				
TASK-0541-SURE	Received Reported by Type	18-May-2016 SNS FEATURE	SOLVED	23-Aug-2016 at 90
New batch function to move files or RIS-components to the Archive environment				

Task	Status		Date ready	Release
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0542-SURE	Received Reported by Type	19-May-2016 SNS FEATURE	SOLVED	25-May-2016 at 90
Archive: merge functions "Delete copy in archive" and "Delete from archive" because they do the same				
TASK-0543-BUILD	Received Reported by Type	23-May-2016 ITSforSURE FEATURE	SOLVED	19-Jul-2016 at 90
Merging Release notes 90 with SURE manual				
TASK-0546-SURE	Received Reported by Type	24-May-2016 ITSforSURE FEATURE	SOLVED	25-May-2016 at 90
Add an Option screen to create a REG file for SURE installation containing the required registry entries for OLE, SCC and RTF-Scanner.				
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0547-SURE	Received Reported by Type	24-May-2016 BBL FEATURE	SOLVED	06-Jun-2016 at 90
Do not perform the domain check for functions VIEW, LIST and COPY in RIS/MENU				
Solution:	In case of function COPY: the domain check is disabled for COPY VERSION or if you use COPY without an extra option			
TASK-0548-SURE	Received Reported by Type Severity Probability	25-May-2016 SNS ERROR MINOR CERTAIN	SOLVED	25-May-2016 at 90
File properties dialog function Info -> Reference shows wrong layout				
TASK-0549-SURE	Received Reported by Type	25-May-2016 ITSforSURE FEATURE	SOLVED	25-May-2016 at 90
Make it possible to send a message to one or more users or to a team				

Task	Status		Date ready	Release
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0551-SURE	Received Reported by Type Severity Probability	26-May-2016 ITSforSURE ERROR SEVERE RARE	SOLVED	18-Aug-2016 at 90
<p>SfW Build server: Batch Build can skip marking a build with errors.</p> <p>Failure of a build with a generated build script name (i.e. Build_build.bat) does not always mark its originating script (Build.bat) with errors. The error file is stored properly.</p>				
Solution:	This could only happen in the case that successive builds have to be done for each level of a directory			
TASK-0552-SURE	Received Reported by Type	30-May-2016 ITSforSURE FEATURE	SOLVED	07-Jun-2016 at 90
Implementation of the new Message Bar functionality in the 64-bits SfW GUI				
TASK-0553-RIS	Received Reported by Type	31-May-2016 SNS FEATURE	SOLVED	29-Aug-2016 at 90
New batch function to load relations				
Solution:	<p>Run the program as follows:</p> <p>RUN RESPECT/REPOSITORY("LOAD-RELATIONS <filename>");VALUE = <taskvalue>;TASKSTRING="<environment>"</p> <p><Filename> is a required parameter and defines the name of the input file. Each record of the input file will be loaded as a relation in dataset DREL.</p> <p>TASKSTRING is optional. If the program is started without a task string then it runs for the default environment of the usercode who started the program.</p> <p>The record layout of the input file is as follows:</p> <ul style="list-style-type: none"> - Position 1 - 255 = owner - Position 256 - 273 = class - Position 274 - 291 = asset - Position 292 - 309 = entity <p>A record will only be loaded as a relation if:</p> <ul style="list-style-type: none"> - <owner> = a known file name or item name - <class> = a known item name, but not a predefined SURE/RIS item - <asset> = a known item name - <entity> = a supported entity, such as FILE, TASK, ONLINE-TRN, etc <p>Otherwise the record is displayed and skipped</p> <p>Taskvalue = 100 (special or initial mode) : load the relation only if it does not yet exist and give the relation the timestamp 1990-12-31</p>			

Task	Status	Date ready	Release
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Taskvalue = 0 (default mode): load/overwrite the relation with the timestamp of today

TASK-0555-SURE	Received Reported by Type Severity Probability	06-Jun-2016 BBL ERROR SEVERE POSSIBLE	SOLVED	06-Jun-2016	at 90
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Do not allow to link users to employee-functions via function Relate

TASK-0557-SURE	Received Reported by Type Severity Probability	06-Jun-2016 BBL ERROR SEVERE RARE	SOLVED	06-Jun-2016	at 90
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When RESPECT/SURE/MATCH is started with parameter DUMP-DELFILES then the default cleaning functions are skipped

TASK-0558-SURE	Received Reported by Type Severity Probability	06-Jun-2016 BBL ERROR MODERATE POSSIBLE	SOLVED	09-Jun-2016	at 90
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COPY with option 'Copy all includes' does not put all include files on disk

TASK-0560-SURE	Received Reported by Type	08-Jun-2016 SNS FEATURE	SOLVED	22-Sep-2016	at 90
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Function 'Transfer Task': Change the error message "File is requested but not yet modified" to a warning

Solution:

Previously:

- When a file was requested (and assigned) but not yet modified, then on the transfer-screen an error message was placed behind that file name
- It was not possible to transfer the task to the next environment.

New method:

- If a file is requested (and assigned) but not yet modified, then no error message is placed on the transfer screen.
- So, the task can be transferred to the next environment.
- The transfer function gives the warning "file requested but not yet modified".
- If the warning is ignored (via button [OK]), then the task is transferred and the request (and assign) is automatically undone by the transfer function.

TASK-0562-SURE	Received Reported by Type	10-Jun-2016 WUH ERROR	SOLVED	10-Jun-2016	at 90
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Task	Status		Date ready	Release
	Severity Probability	MODERATE POSSIBLE		
	Function Purge File (or Purge RIS-component) in RIS/MENU is not logged			
TASK-0563-SURE	Received Reported by Type Severity Probability	13-Jun-2016 BBL ERROR SEVERE RARE	SOLVED	13-Jun-2016 at 90
	Loop in Query function in RIS/MENU			
Solution:	This happened when a selection-expression with condition "SYSTEM(??)" was used. This resulted in an error, but when it was changed to "SYSTEM(?)" the program started looping			
TASK-0564-SURE	Received Reported by Type Severity Probability	15-Jun-2016 WUH ERROR NEGLIGIBLE CERTAIN	SOLVED	15-Jun-2016 at 90
	RESPECT/SURE/MATCH does the check to delete old tasks two times for each solved task. That is one time too much.			
TASK-0565-SURE	Received Reported by Type	17-Jun-2016 WUH IMPROVEMENT	SOLVED	17-Jun-2016 at 90
	PC files: add relation DOWNLOAD(REQUEST) only if the PC-file has a build server.			
Solution:	Relation DOWNLOAD(REQUEST) is normally deleted at the next build. But if the PC-file is not linked to any build-server then it was never deleted.			
TASK-0567-SURE	Received Reported by Type	17-Jun-2016 BBL FEATURE	SOLVED	17-Jun-2016 at 90
	Security event logging: pass the repository-name via one of the parameters to the event library			
Solution:	The name of the repository is passed via the 5th parameter. This name comes from file RESPECT/TITLES. The 5th parameter was previously an empty string			
TASK-0568-SURE	Received Reported by Type Severity Probability	18-Jun-2016 BBL ERROR MINOR POSSIBLE	SOLVED	18-Jun-2016 at 90

Task			Status	Date ready	Release
File properties: if the system of a file is changed, and the new system has excluded environments, then the file is not always deleted in those excluded environments					
Solution:	SURE gives now an error if the current environment is excluded for the new system				
TASK-0572-SURE	Received Reported by Type Severity Probability	22-Jun-2016 ITSforSURE ERROR MINOR RARE	SOLVED	22-Jun-2016	at 90
Delta file -> Compare causes a crash when the command is used on a list with delta files in a right pane.					
TASK-0573-RFW	Received Reported by Type	23-Jun-2016 ITSforSURE FEATURE	SOLVED	28-Jun-2016	at 90
Replace the SURE filled [<path>] INI section with an optional [PATH] section to avoid unnecessary INI entries when a connection <path> is changed.					
Solution:	Section [PATH] is a new in the configuration file AW_OBJ.INI				
This section defines some additional connection parameters for the communication interface between the SfW GUI and the SURE server.					
The SURE-server connection is identified by the IP-address and port number and defined via key 'Identification' in section [INFDB]. A SfW-GUI works only with one SURE-server, but you may have to change the ip-address/port in the ini-file when you work on another (remote) location, or when the host is (temporarily) moved to another location.					
<ul style="list-style-type: none">- The settings in section [PATH] are applicable for all SURE-server connections that are made with this ini-file.- If you want to define a deviating setting for a specific connection, then you have to define that option in section [<ip-address>/<port>].					
Section [PATH] is not required. If all settings in this section are equal to their defaults then you can remove this section from the ini file.					
Each of the connection options is initialized as follows:					
<ul style="list-style-type: none">- If the option is defined in section [<ip-address>/<port>] then that value is used,- otherwise:<ul style="list-style-type: none">if the option is defined in section [PATH] then that value is used,otherwise: the default value (hardcoded in the software) is used					
Refer to document 'Configuration file AW_OBJ-INI.docx' for more information about the defaults values for the options in section [PATH].					
TASK-0576-RFW	Received Reported by Type	28-Jun-2016 ITSforSURE IMPROVEMENT	SOLVED	08-Aug-2016	at 90
Change behavior of [<path>]IDLE= setting: revive socket instead of closing it.					
Solution:	Some firewalls or routers automatically close a connection when that connection is idle for a while. If that happens then SfW gets a time-out after 30 seconds, and will then automatically re-establish the connection, but that is very				

Task			Status	Date ready	Release
<p>annoying for the user, because he won't be able to use SURE for at least 30 to 40 seconds.</p> <p>Option [PATH]IDLE=<seconds> in the AW_OBJ.INI file provides a method to deal with this.</p> <p>In release 70 and 80, the IDLE option enforced that the connection is closed by Sfw after being <nr> seconds idle and automatically reopened at the next action. Because of this method Sfw did not encounter a time-out anymore, but the disadvantage was that the connection was closed and re-opened all the time, each time with a different socket/subfile.</p> <p>The new method is that Sfw sends a WC9999-handshake transaction after <nr> seconds idle time, to keep the connection open instead of closing the socket.</p> <p>If the connection is lost because of a real datacom issue, then the next WC9999-handshake will get a socket error and then the socket will be closed anyway. This also stops the sending of WC9999-handshake transactions.</p> <p>If the connection problem is solved, then next regular action will automatically re-open the socket. The WC9999 protocol will be re-started when Sfw is idle for the defined period.</p> <p>The advantage is that the user can receive unsolicited messages of batch programs as long as the Sfw GUI is active.</p>					
TASK-0577-SURE	Received Reported by Type Severity Probability	29-Jun-2016 WELLSFARGO ERROR MINOR POSSIBLE	SOLVED	03-Jul-2016	at 90
<p>We see that some TCPIP connections in the SURE-server on the MCP remain open while there is no activity in that connection</p> <p>Solution: See the task explanation form or the task attachment in SURE for detailed information</p>					
TASK-0578-SURE	Received Reported by Type	08-Jul-2016 SNS FEATURE	SOLVED	08-Jul-2016	at 90
<p>On checkout of a file, if it has a Reminder, show it.</p> <p>Solution: See the task explanation form or the task attachment in SURE for detailed information</p>					
TASK-0579-SURE	Received Reported by Type	08-Jul-2016 SNS FEATURE	SOLVED	08-Jul-2016	at 90
<p>Function Rollback Deltafile in the Sfw-GUI: the domain check on delta files must only be done for function rollback, because that is an update function.</p>					
TASK-0580-SURE	Received Reported by Type Severity Probability	11-Jul-2016 BBL ERROR MODERATE POSSIBLE	SOLVED	12-Jul-2016	at 90

Task			Status	Date ready	Release
Function upload MCP-source from the SURE-TEMP directory to Cande: fix sequence range errors in the file in the TEMP directory during the upload.					
Solution:	In case of a line without a sequence number: the sequence number becomes the sequence number on the previous line plus 1.				
	In case of a line with a sequence number: if that number is less or equal than the sequence number on the previous line, then the number is changed to the sequence number on the previous line plus 1.				
TASK-0582-SURE	Received	12-Jul-2016	SOLVED	13-Jul-2016	at 90
	Reported by	ITSforSURE			
	Type	ERROR			
	Severity	MODERATE			
	Probability	RARE			
Program RESPECT/TASK/LIST: integer overflow when the program is started with parameter LIST-TYPE = COUNTS					
TASK-0583-SURE	Received	13-Jul-2016	SOLVED	13-Jul-2016	at 90
	Reported by	ITSforSURE			
	Type	ERROR			
	Severity	MODERATE			
	Probability	POSSIBLE			
SfW task screen: It is not possible to update the delivery date of a task					
TASK-0584-TASK	Received	13-Jul-2016	SOLVED	15-Jul-2016	at 90
	Reported by	ITSforSURE			
	Type	FEATURE			
Program RESPECT/TASK/LIST: show the task statistics also on the report ' Summary of reported/solved tasks during a period' (Toolbar => Reports => Overview of tasks => List option = 'Summary of ...')					
Solution:	The following overviews are now created:				
	- Number of reported tasks, closed tasks and active tasks per customer or department				
	- Average number of weeks to solve the tasks that are reported in a specific month				
	- Number of tasks that are active at the end of each month, counted per 'duration active'				
TASK-0586-SURE	Received	19-Jul-2016	SOLVED	19-Jul-2016	at 90, 70, 80
	Reported by	ITSforSURE			
	Type	IMPROVEMENT			
Create the default INFDB description file for DMS release 581					

Task	Status			Date ready	Release
TASK-0587-SURE	Received Reported by Type	21-Jul-2016 CEDAE FEATURE	SOLVED	22-Jul-2016	at 90, 70, 80
New feature: change the task status to SOLVED by program RESPECT/SURE/COMPILE when the task is transferred to the final environment (PROD) and all programs that are linked to the task are compiled-ok					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0589-SURE	Received Reported by Type	25-Jul-2016 ITSforSURE FEATURE	SOLVED	27-Jul-2016	at 90
SfW-server on MCP: offer a new transaction to change the build status of a PC-file from busy to to-compile					
Solution:	This is only preparation in the SfW-server on the MCP. The new transaction will later be used in the SfW-GUI by the PC build process when the build consists of multiple (dependent) build steps: if a dependent build fails then skip then following build where that dependent result is used.				
TASK-0591-SURE	Received Reported by Type Severity Probability	27-Jul-2016 BBL ERROR SEVERE RARE	SOLVED	29-Jul-2016	at 90
Function Query in RIS/MENU and the SfW-GUI: loop in query function					
Solution:	This happened when the query syntax contained multiple '??' parameters. For example: DEVELOP*COPY-FILE(??) OR TEST*COPY-FILE(??)				
TASK-0593-SURE	Received Reported by Type	02-Aug-2016 SNS FEATURE	SOLVED	11-Aug-2017	at 90
Microfocus Cobol sources: put the FileVersion in the first line of the source, similar as how this is done for MCP sources					
TASK-0596-SURE	Received Reported by Type	05-Aug-2016 ITSforSURE FEATURE	SOLVED	10-Aug-2016	at 90
Program RIS/BACKGROUND/EMAIL: in the case that sending emails fails because of configuration issues with OBJECT/EMAIL, then only retry to send the email once a day, or on request via a HI 20 on OBJECT/RIS/BACKGROUND/EMAIL					
Solution:	An email that is not sent because of a configuration issue of OBJECT/EMAIL remains in the email queue until the configuration issue is fixed, or until the email is manually deleted from the queue (via SfW Toolbar => File => Email queue).				
The problem with the SURE-email-server (RIS/BACKGROUND/EMAIL) was that it tried to re-send each error email every					

Task	Status	Date ready	Release
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5 minutes until it was successful. This is now changed to once a day or on special request via HI 20

The SURE-email-server reacts now as follows on the HI command:

- HI = check the email queue
- HI 99 = shutdown the SURE email server
- HI 20 = retry to send the emails that failed earlier (a single retry)
- HI 10 = enable debug displays
- HI <other number> = disable debug displays

TASK-0597-SURE	Received	05-Aug-2016	SOLVED	05-Aug-2016	at 90
	Reported by	BBL			
	Type	ERROR			
	Severity	MAJOR			
	Probability	POSSIBLE			

SfW-GUI: Change the timestamp handling when an MCP file is uploaded.

Solution:

SfW does now the following with the timestamp of the source in the local work directory:

- On Check-in: preserve the timestamp that the work file was last saved, as this will be the timestamp the file receives in the repository. This prevents unnecessary downloads.
- On Upload or Compile: do not preserve the timestamp, so that if the work file is altered by the upload process (because of add / change sequence numbers), an editor will see the file's time changing and (ask to) reload it.

TASK-0599-SURE	Received	09-Aug-2016	SOLVED	10-Aug-2016	at 90
	Reported by	SNS			
	Type	ERROR			
	Severity	SEVERE			
	Probability	POSSIBLE			

Authorization of function Relate: it should only be possible to manipulate a relation in the global environment if you are allowed to use function Relate in all environments

Solution:

This requires an authorization record with bit SURE-Relate on the global environment

TASK-0600-SURE	Received	10-Aug-2016	SOLVED	18-Aug-2016	at 90
	Reported by	BBL			
	Type	ERROR			
	Severity	MAJOR			
	Probability	RARE			

Loop in program RESPECT/SURE/EXAMINE

Solution:

This was caused by an invalid statement in an ALGOL program: a FILE declaration that ended with a comma instead of a close parenthesis.

TASK-0601-SURE	Received	11-Aug-2016	SOLVED	02-Oct-2016	at 90
	Reported by	SNS			
	Type	FEATURE			

SfW-server on MCP: offer new transactions for the SfW-GUI to show extended information about data files that are used by a program

Task	Status	Date ready	Release
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Solution: This is only preparation in the SfW-server on the MCP.
The new transactions will later be used in the new SfW-GUI function <file-name> ==> Miscellaneous ==> Data Files

TASK-0605-SURE	Received Reported by Type Severity Probability	17-Aug-2016 ITSforSURE ERROR MINOR POSSIBLE	SOLVED	18-Aug-2016	at 90
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Message Bar messages displayed incorrectly if the text contains characters: \ { }

TASK-0606-TASK	Received Reported by Type Severity Probability	22-Aug-2016 ITSforSURE ERROR MINOR POSSIBLE	SOLVED	22-Aug-2016	at 90
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SfW-GUI: Function 'Update environment options': The start-timestamp of the evening batch is not updated correctly

TASK-0607-SURE	Received Reported by Type Severity Probability	22-Aug-2016 SNS ERROR SEVERE POSSIBLE	SOLVED	22-Aug-2016	at 90
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SfW-server on MCP: the Check-file-state transaction contains still an old search method, where the input-file is used as a prefix if the input-file itself is not known in SURE. This may lead to unpredictable results when loading a new PC-file.

TASK-0608-SURE	Received Reported by Type	22-Aug-2016 SNS FEATURE	SOLVED	08-Sep-2016	at 90
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SfW-GUI: Extend the information about data files that are used by a program

Solution: See the task explanation form or the task attachment in SURE for detailed information

TASK-0610-SURE	Received Reported by Type	26-Aug-2016 ITSforSURE FEATURE	SOLVED	30-Aug-2016	at 90
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Implement a default template for the task solution and description.

Solution: See the task explanation form or the task attachment in SURE for detailed information

Task			Status	Date ready	Release
TASK-0611-SURE	Received Reported by Type	27-Aug-2016 ITSforSURE FEATURE	SOLVED	27-Aug-2016	at 90
Task dump/load: implement a method that a task is automatically added to the delivery-queue of a specific destination					
Solution:	<p>The procedure is as follows:</p> <p>Create a macro for TASK with expression: NOT DELIVERED(#)</p> <ul style="list-style-type: none"> - When you open the macro, you have to enter the appropriate <delivery-target-name> - All tasks that are returned by the macro are not yet delivered to <delivery-target-name> <p>Do a multi-select on these tasks => Rightclick => Put in dump queue</p> <p>RUN RESPECT/REPOSITORY("DUMP-REPOSITORY DELIVERY <delivery-target-name>");</p> <ul style="list-style-type: none"> - Each dumped task is marked with relation: <task> DELIVERED <delivery-target-name> <p>If a task is reactivated and transferred again, then all DELIVERED-relations are cleaned, so that the task is again selected by the macro</p>				
TASK-0612-SURE	Received Reported by Type	28-Aug-2016 ANDIMA IMPROVEMENT	SOLVED	28-Aug-2016	at 90, 80
Program RESPECT/SURE/TRANSFER: write for each deployed object also the previous FileVersion number and the new FileVersion number on the transfer overview					
TASK-0616-SURE	Received Reported by Type Severity Probability	05-Sep-2016 SNS ERROR MINOR RARE	SOLVED	05-Sep-2016	at 90
Program RESPECT/SURE/STARTLOG generates a wrong load-log-job					
Solution:	This happened for an input-directory with AIX-runinfo files, if one of these files came from an unexpected run location				
TASK-0617-XX	Received Reported by Type	06-Sep-2016 SNS IMPROVEMENT	SOLVED	12-Oct-2016	at 90
SURE backend on Windows: update some outdated code in the build process of the SURE backend on Windows					
TASK-0618-SURE	Received Reported by Type Severity Probability	19-Sep-2016 BBL ERROR MINOR POSSIBLE	SOLVED	19-Sep-2016	at 90
Click on a "no results" icon of several nodes may cause a crash.					

Task	Status		Date ready	Release
TASK-0619-SURE	Received Reported by Type	22-Sep-2016 BBL IMPROVEMENT	SOLVED	23-Sep-2016 at 90
Batch program RESPECT/REPOSITORY("LOAD-REPOSITORY"): do not load sources that belong to a system which is excluded for the current environment				
TASK-0620-SURE	Received Reported by Type Severity Probability	29-Sep-2016 ITSforSURE ERROR MINOR POSSIBLE	SOLVED	05-Oct-2016 at 90
Delete confirmation on Configuration/Organization nodes may show wrong key.				
TASK-0621-SURE	Received Reported by Type	04-Oct-2016 SNS IMPROVEMENT	SOLVED	05-Oct-2016 at 90
Some small fixes for the extended information about data-files (see TASK-0608-SURE)				
TASK-0623-SURE	Received Reported by Type	05-Oct-2016 RVA FEATURE	SOLVED	07-Oct-2016 at 90
Implement an INI file setting to control the state of 'Overwrite existing file' in the Checkout dialog.				
Solution:	<p>Added INI file option [SURE] CHECKOUTOVERWRITE=TRUE/FALSE Default value is FALSE.</p> <p>FALSE will set the 'Overwrite existing file' checkbox to unchecked if a locally modified file is checked out, preventing it from being overwritten by accident. Manually setting this option to TRUE will set the checkbox to checked in this case, meaning the local file will be overwritten unless the user clears the checkbox.</p>			
TASK-0624-SURE	Received Reported by Type Severity Probability	07-Oct-2016 WUH ERROR MINOR POSSIBLE	SOLVED	07-Oct-2016 at 90
The 'Long name' of a usercode can not be changed from lowercase to uppercase or vice-versa				

Task			Status	Date ready	Release
TASK-0627-SURE	Received Reported by Type	11-Oct-2016 SNS IMPROVEMENT	SOLVED	11-Oct-2016	at 90
Improve the performance of the log-on					
TASK-0630-SURE	Received Reported by Type Severity Probability	17-Oct-2016 BBL ERROR MODERATE RARE	SOLVED	18-Oct-2016	at 90
Loop in function RIS/MENU => SURE => COPY VERSION					
TASK-0632-RFW	Received Reported by Type	25-Oct-2016 CSI IMPROVEMENT	SOLVED	18-Nov-2016	at 90, 80
Implement OLE interface for external compile tool As_comp, because the old DDE-interface may not work under Windows-10					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0635-SURE	Received Reported by Type	31-Oct-2016 ORDINA FEATURE	SOLVED	14-Nov-2016	at 90
SURE backend on Windows: enable the SURE-replace function also on the Windows-backend					
TASK-0636-SURE	Received Reported by Type	01-Nov-2016 ORDINA FEATURE	SOLVED	09-Nov-2016	at 90, 70
RESPECT/SURE/REPLACE must be able to scan and replace PC-source-files like MicroFocus Cobol and C++, and in the case of a MF-cobol program: if the replaced line does not fit on one record then split it over two records					
TASK-0638-RIS	Received Reported by Type	14-Nov-2016 SNS FEATURE	SOLVED	21-Feb-2017	at 90
Make a new batch function to select all unused files, copy-files, formats, selection-functions, transactions and service-functions and to mark them with a relation					

Task	Status	Date ready	Release		
<p>Solution:</p> <p>The batch function must be started as follows:</p> <pre>RUN RESPECT/REPOSITORY("SELECT-UNUSED DATE <date1>")</pre> <p><date1> = Files and RIS-components that are added since date1 are not selected as 'Unused'</p> <p>===== February 5, 2017 =====</p> <ol style="list-style-type: none">1. Use also LIBRARY-relations to determine if a file is used or not used2. Two extra parameters to mark the unused files with a relation <p>Example:</p> <pre>RUN RESPECT/REPOSITORY("SELECT-UNUSED DATE <date1> CLASS <class> ASSET <asset>")</pre> <p>Each unused component is now marked with relation <class> - <asset></p> <ol style="list-style-type: none">3. Implement parameter NO-MCP to skip the check for MCP files <p>===== February 16, 2017 =====</p> <ol style="list-style-type: none">4. Consider all components that are linked to a task as 'In use' <p>===== February 21, 2017 =====</p> <ol style="list-style-type: none">5. Make the checks on 'never archive' and 'already in archive' on group + owner					
TASK-0639-SURE	Received Reported by Type Severity Probability	14-Nov-2016 ITSforSURE ERROR MINOR RARE	SOLVED	21-Nov-2016	at 90
Function SURE-replace: the replace-dialog may initialize incorrectly if the replace table is corrupted					
TASK-0644-XX	Received Reported by Type	18-Nov-2016 ITSforSURE IMPROVEMENT	SOLVED	18-Nov-2016	at 90
SURE backend on Windows: make it possible to open the impact-overview-log while it is filled with new log-entries					
<p>Solution:</p> <p>Change CERES::File Open mode to 'shared' for read.</p>					
TASK-0645-SURE	Received Reported by Type Severity	19-Nov-2016 SNS ERROR MODERATE	SOLVED	19-Nov-2016	at 90

Task	Status		Date ready	Release
	Probability	CERTAIN		
	Function "Reload directory with PC files in all environments": the changed files must also be placed in the to-examine queue			
TASK-0647-XX	Received Reported by Type	21-Nov-2016 ITSforSURE IMPROVEMENT	SOLVED	30-Nov-2016 at 90
	SURE backend on Windows: Check the cleanup of empty directories and temporary files			
Solution:	Make REMOVEFILE function remove empty directories as well. Make FILE.CLOSE(PURGE) remove the directories up to the file, Add a specific CLOSE(<filename>,PURGE) for temporary files			
TASK-0650-SURE	Received Reported by Type	28-Nov-2016 SNS FEATURE	SOLVED	28-Nov-2016 at 90
	Batch function 'Synchronize directory with PC-files in all environments': Make an extra parameter to indicate that old files are archived in stead of purged			
Solution:	This function requires the following batch-parameter in the ini-file [BATCH] ARCHIVE=TRUE			
TASK-0652-SURE	Received Reported by Type Severity Probability	30-Nov-2016 ITSforSURE ERROR SEVERE POSSIBLE	SOLVED	30-Nov-2016 at 90
	SURE backend on Windows: function 'View file-version' crashed if a delta-file contains a line with only 1 space			
TASK-0656-SURE	Received Reported by Type	05-Dec-2016 UOFW IMPROVEMENT	SOLVED	05-Dec-2016 at 90, 80
	Improve the way how MCP stream files (FILESTRUCTURE = STREAM) are handled by SURE			
Solution:	Fix attribute error "BLOCKSIZE ACTION INCOMPATIBLE WITH FILESTRUCTURE STREAM" Do not allow an MCP stream file (like a containerfile) to be checked-out with local edit enabled			
TASK-0657-SURE	Received Reported by Type	06-Dec-2016 ITSforSURE IMPROVEMENT	SOLVED	06-Dec-2016 at 90, 70, 80
	Modify the website, so that the MCP581 zip file is visible			

Task	Status		Date ready	Release
TASK-0658-SURE	Received Reported by Type	13-Dec-2016 ITSforSURE IMPROVEMENT	SOLVED	30-Jan-2017 at 90
<p>SURE Log-on: Check the connection to the SURE server and report a failing connection before showing the logon screen. Do not execute automatic logon if the connection fails.</p>				
TASK-0659-SURE	Received Reported by Type	13-Dec-2016 SNS FEATURE	SOLVED	14-Dec-2016 at 90
<p>SURE backend on Windows: make it possible to start a RIS/SURE program from Sfw</p> <p>On the MCP it is possible to run a RIS/SURE program manually from Cande, but on Windows that environment is not available. So, there must be an alternative way to run a RIS/SURE program</p> <p>Solution:</p> <p>We implemented this via function Tools => MCP environment => ODT</p> <p>Run the SURE/RIS program from the ODT screen as follows, the same way as how you run it on the MCP from Cande</p> <p>Example:</p> <pre>RUN RESPECT/REPOSITORY("<parameters>");VALUE=<taskvalue>;TASKSTRING="<environment>"</pre> <ul style="list-style-type: none"> - VALUE is optional: it defaults to 0 - TASKSTRING is optional: it defaults to your current environment <p>This implementation is only applicable for the SURE backend on Windows.</p> <p>The following ODT commands are now implemented fro the SURE backend on Windows:</p> <ul style="list-style-type: none"> - RUN a RIS/SURE program - PS DEL U <usercode>, to delete print requests of a user that are created by RIS/SURE programs - PS DEL <session>, to delete all print requests that are created during a session 				
TASK-0660-RIS	Received Reported by Type	14-Dec-2016 SNS FEATURE	SOLVED	16-Feb-2017 at 90
<p>Make a new batch function to create a file that can be used to fill a Wiki</p> <p>Solution:</p> <p>The batch function must be started as follows:</p> <pre>RUN RESPECT/REPOSITORY("DUMP-FOR-WIKI")</pre>				

Task	Status	Date ready	Release
It creates a data file called RESPECT/DUMP/WIKIDATA			
===== February 5, 2017 =====			
1. The layout of the dump-file is changed to XML			
2. Extended status information is added to the dump			
3. File-history information is added to the dump			
===== February 12, 2017 =====			
4. Dump also data items (including coding schemes)			
5. Make it possible to dump selective via the following extra parameters:			
<pre><select-entities-and-attributes> <skip-entities-and-attributes></pre> <pre><select-entities-and-attributes> = [SELECT <entities-and-attributes>]</pre> <pre><skip-entities-and-attributes> = [SKIP <entities-and-attributes>]</pre> <pre><entities-and-attributes> = FILE DATAITEM STATUSINFO TASKHISTORY</pre>			
<p>The parameter works as a filter, so when it is not used then everything is selected</p> <p>It is possible to use multiple entities and/or attributes in the select and skip options</p> <p>It is possible to use the select option and the skip option together</p> <p>If SELECT is used for one or more entities, then only those entities are selected</p> <p>If SELECT is used for one or more attributes, then only those attributes are selected</p> <p>If SKIP is used for one or more entities, then those entities are not selected</p> <p>If SKIP is used for one or more attributes, then those attributes are not selected</p>			
Some examples:			
<pre>RUN RESPECT/REPOSITORY("DUMP-FOR-WIKI SELECT FILE SKIP TASKHISTORY");</pre> <p>- This selects only the files but it skips the task history of the files</p>			
<pre>RUN RESPECT/REPOSITORY("DUMP-FOR-WIKI SKIP STATUSINFO");</pre> <p>- This selects all entities, but it skips the status-info</p>			
===== February 16, 2017 =====			
6. Implement extra option to skip the translation of unknown characters to spaces			
The extra run parameter is NO-HEX-FILTER			
TASK-0662-SURE	Received Reported by Type	15-Dec-2016 SNS IMPROVEMENT	SOLVED
			06-Jan-2017 at 90
Show the RIS-id in the header of functions Statistics, SEL Func and Transaction			

Task			Status	Date ready	Release
TASK-0663-SURE	Received Reported by Type Severity Probability	06-Jan-2017 SNS ERROR MINOR CERTAIN	SOLVED	06-Jan-2017	at 90
Batch function 'Load AIX-program runtime statistics': the last entry in the statistics-file is not loaded					
TASK-0664-SURE	Received Reported by Type	06-Jan-2017 UOFW IMPROVEMENT	SOLVED	06-Jan-2017	at 90, 70, 80
Generated SURE jobs: the abbreviation PL for COMPILER is going to be deimplemented by Unisys					
TASK-0665-SURE	Received Reported by Type	09-Jan-2017 UNISYS FEATURE	SOLVED	10-Jan-2017	at 90, 70, 80
SURE backend on MCP: Make it possible to view the content of the memory table that contains the station-identifiers of the stations where SUREforWindows is started.					
Solution:	<p>The usercodes and station-identifiers that were used to log-on with SUREforWindows are displayed via ODT command <mixnr>HI50 on the controlling RESPECT/LIBRARY. Entries in this table are only cleaned when OBJECT/RESPECT/LIBRARY goes to end-of-task.</p> <p>The procedure is as follows:</p> <ol style="list-style-type: none"> 1. Use the following ODT-command to obtain the correct mix number: AA NAME=RESPECT/LIBRARY= 2. Use ODT-command: <mix number>HI 50 3. Check the sumlog for the displays. The following is an example of the output: <pre> 07:48:12 -> 2929 OPERATOR ENTERED:2929 HI 50. 07:48:12 2929 MSRDISP14:DISPLAY:Maximum number of stations allowed: 6. 07:48:12 2929 MSRDISP14:DISPLAY:Currently in use:. 07:48:12 2929 MSRDISP14:DISPLAY: Usercode Station UUID. 07:48:12 2929 MSRDISP14:DISPLAY: SIMON {75A8A356-7276-490a-B900-1703EB5F337B}. 07:48:12 2929 MSRDISP14:DISPLAY: FRANK {8BDBC455-C551-4d35-BE31-2546C77F2F06}. </pre> <p>This example shows the following:</p> <ul style="list-style-type: none"> - SUREforWindows was started on 2 different workstations since the start of RESPECT/LIBRARY - The last log-on on the first workstation was by user SIMON - The last log-on on the second workstation was by user FRANK - The number of client licenses is 6. So SUREforWindows can be used at 6 different workstations, and an error is given when SUREforWindows is started on the 7th different workstation since the start of RESPECT/LIBRARY. 				
TASK-0667-RIS	Received Reported by Type	16-Jan-2017 ITSforSURE IMPROVEMENT	SOLVED	30-Jan-2017	at 90

Task	Status	Date ready	Release
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On time-out of a SURE GUI transaction via TCP/IP, let the GUI send a transaction to indicate to the server that it has canceled the transaction and no longer expects a response.

TASK-0670-SURE	Received Reported by Type Severity Probability	25-Jan-2017 BBL ERROR MODERATE CERTAIN	SOLVED	26-Jan-2017	at 90
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It is possible to enter a new file via RIS/MENU without a current task. The task check is then done at function check-in, but it should also be done at function ENTER

TASK-0671-SURE	Received Reported by Type	26-Jan-2017 BBL FEATURE	SOLVED	27-Jan-2017	at 90
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Function 'Save file' via RIS/MENU => SURE: if the source is not changed then do a RESET GETIT

Solution: If the user does a check-in and the file was not changed then he gets a warning and he has to transmit again to finish the action.
That next command depends on the privileges of the user:
- If the user is allowed to use functions RESET and ASSIGN then the next executed command is RESET GETIT
- If the user is allowed to use function RESET but not ASSIGN, then the next executed command is RESET GET
- If the user is not allowed to use function RESET, then the next executed command is SAVE

TASK-0672-SURE	Received Reported by Type	02-Feb-2017 SNS FEATURE	SOLVED	02-Feb-2017	at 90
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Examine MicroFocus-cobol: scan also the ENTRY statements and CALL statements

Solution: The ENTRY statement:
- Examine creates for each ENTRY statement an EXPORT relation.
- If the entry-name is the same as the program-id, then a PROGRAM-ID relation is added as well

The CALL statement:
- Examine creates for each CALL statement an IMPORT relation.
- If the called name is also known in SURE as the PROGRAM-ID of a source then a LIBRARY relation to that source is added as well

TASK-0673-SURE	Received Reported by Type	03-Feb-2017 SNS IMPROVEMENT	SOLVED	03-Feb-2017	at 90
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Log also function 'Copy to Archive'

Task	Status	Date ready	Release
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TASK-0675-SURE	Received Reported by Type	07-Feb-2017 SNS FEATURE	SOLVED	10-Feb-2017	at 90
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Implement new function 'Undo from Archive'

TASK-0677-SURE	Received Reported by Type	10-Feb-2017 SNS IMPROVEMENT	SOLVED	10-Feb-2017	at 90
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Function 'Restore from Archive': make it possible that this function is used from the Archive environment

TASK-0680-SURE	Received Reported by Type	14-Feb-2017 ITSforSURE IMPROVEMENT	SOLVED	14-Feb-2017	at 90
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Add the documentation of the AW_OBJ.INI file to the Help menu of SUREforWindows

Solution:

Describe also the following ini-file options:

- [BATCH]ARCHIVE
- [SURE]LOGOFF
- [SURE]CHECKOUTOVERWRITE
- [INFDB]XFER

TASK-0684-SURE	Received Reported by Type	20-Feb-2017 SNS FEATURE	SOLVED	20-Feb-2017	at 90
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Examine must add a relation if the statement 'MOVE 1 TO BATCH-RECOVERY' is used

Solution:

Examine scans only for the statement 'MOVE 1 TO BATCH-RECOVERY' if the source belongs to a directory that is marked as 'Examine for batch-recovery' or if the source belongs to a sub-directory of a directory that is marked as 'Examine for batch-recovery'.

A directory as marked as 'Examine for batch recovery' via the following relation:

```
Environment = <global>
Group = OPTION
Owner = <the directory name>
Class = TO-EXAMINE
Asset = BATCH-RECOVERY
```

The best method to add this relation is:

- Right click on a file that is part of the directory => Miscellaneous => Relation
- On the relation screen:
 - Click on button [Owner used by].
 - Click on the next screen on button [Details of owner].
 - Add the relation on that screen.

The indication that a file uses the batch-recovery statement is also placed in the 'dump for Wiki'.

If statement 'MOVE 1 TO BATCH-RECOVERY' is found in a source then the following relation is added:

Task	Status		Date ready	Release
	Environment = <run environment> Group = FILE-CONTROL Owner = <the source> Class = BATCH-RECOVERY Asset = <empty>			
TASK-0685-SURE	Received Reported by Type	20-Feb-2017 SNS FEATURE	SOLVED	22-Feb-2017 at 90
	Examine must add a relation between a DCM and an LFI, if these files are used together in a RUN statement in a Perl script			
Solution:	The following relation is added when a Perl-RUN statement contains an LFI-name and another program name: Environment = <run environment> Group = FILE-CONTROL Owner = <LFI-source> Class = DCM Asset = <DCM-source>			
	Example If the following Perl statement is used: RUN ("LFI-PINGI01", "DCM-PINGI05", "<other parameters>"); - The first parameter is the last node of an LFI program - The second parameter is the last node of a DCM-program - The first parameter is an LFI, and therefore the following relation is added: src\SAS\LFI\LFI-PINGI01.CBL - DCM - src\SAS\DCM\DCM-PINGI05.CBL			
TASK-0686-SURE	Received Reported by Type Severity Probability	21-Feb-2017 SNS ERROR MODERATE POSSIBLE	SOLVED	21-Feb-2017 at 90
	Examine: fix issues with examining data files			
Solution:	1. Examine did not scan the COBOL OPEN <file> statement correctly Multiple file-identifiers in one OPEN statement are now handled correctly. For example: OPEN INPUT <file1> <file2> OUTPUT <file3>			
	2. (Very) old FILE relations were not cleaned up if those data file were not used anymore by a program.			
	3. Algol: Examine can now handle the case that an internal file name is used in multiple procedures, each time with a different external file name			
TASK-0688-SURE	Received Reported by Type	22-Feb-2017 BBL IMPROVEMENT	SOLVED	22-Feb-2017 at 90

Task	Status			Date ready	Release
Give an error message if somebody tries to delete an employee-function that is still linked to a user					
Solution:	There was a verification warning when users are still connected to the employee-function. That is now changed to an error message				
TASK-0691-SURE	Received Reported by Type	01-Mar-2017 ITSforSURE IMPROVEMENT	SOLVED	23-Mar-2017	at 90
SURE backend on Windows: write document about the work environment					
TASK-0692-SURE	Received Reported by Type	09-Mar-2017 ITSforSURE IMPROVEMENT	SOLVED	13-Mar-2017	at 90
SURE backend on Windows: review the setting of the local data directory in the batch scripts					
Solution:	<p>The organization is as follows:</p> <p>SURE backend on Windows requires a config file</p> <ul style="list-style-type: none">- The config file must contain a default <usercode> and a default <packname> <p>The server directory is the directory that contains the config file.</p> <ul style="list-style-type: none">- This is the root directory of SURE backend on Windows <p>The current directory is subdirectory DATA of the server directory</p> <ul style="list-style-type: none">- The script sets this directory as the current directory- All other standard directories are relative to this directory (via ..\) <p>A script can be started with a specific usercode and packname</p> <ul style="list-style-type: none">- This overrules the default <usercode> and <packname>- It creates a separate local data directory for that script and for all the programs that run in the script. <p>The local data directory is <server directory>\DATA\<packname>\<usercode>.</p> <ul style="list-style-type: none">- Programs read and write data file in this directory- The scripts work by default on the data files in this directory				
TASK-0694-RIS	Received Reported by Type Severity Probability	13-Mar-2017 ITSforSURE ERROR MODERATE POSSIBLE	SOLVED	17-Mar-2017	at 90
SURE backend on Windows: the Sfw-GUI cannot connect to the SURE-backend after I was temporarily logged on to another network via VPN. I have to reboot my PC before it works again.					
Solution:	After the VPN-session the first available IP-address was in IPv6 layout and that caused the connection problem. TcpIpManager must explicitly select an IPv4 address when setting up a connection otherwise RfW is not able to connect if the first available address is IPv6.				

Task	Status			Date ready	Release
TASK-0695-SURE	Received Reported by Type Severity Probability	14-Mar-2017 SNS ERROR SEVERE POSSIBLE	SOLVED	16-Mar-2017	at 90
SURE backend on Windows: button [busy] on the compile interface screen does not give response					
TASK-0696-SURE	Received Reported by Type Severity Probability	16-Mar-2017 SNS ERROR MODERATE POSSIBLE	SOLVED	16-Mar-2017	at 90
SURE backend on Windows: there is an unexpected authorization error on function Check-Out					
Solution:	This happened if the default authorization scheme is overruled by an environment specific scheme				
TASK-0697-SURE	Received Reported by Type Severity Probability	16-Mar-2017 SNS ERROR SEVERE OFTEN	SOLVED	17-Mar-2017	at 90
SURE backend on Windows: the history of a task is not visible					
Solution:	This was caused by the dump/load of dataset DINFO. Pipe ' ' characters were incorrectly replaced to spaces				
TASK-0699-SURE	Received Reported by Type	17-Mar-2017 ITSforSURE FEATURE	SOLVED	21-Mar-2017	at 90
SURE backend on Windows: function 'Status Mix' must show the individual log of a user and not the full log					
Solution:	Function 'Status Mix' shows now the log of the usercode that was used to log-on.				
Function 'Batch status mix' shows now the log of the usercode that is defined as 'SURE batch usercode' (on the environment properties screen).					
Job SURE_Batch.wsf runs under the <SURE batch usercode> when it is started from the Compile Interface [via button Start batch job CP/NX]. When the batch job is started otherwise, then the usercode of the job is determined by job parameter RUNUSER.					
TASK-0701-SURE	Received Reported by Type Severity Probability	21-Mar-2017 ITSforSURE ERROR MINOR RARE	SOLVED	21-Mar-2017	at 90
Folder 'Printer Output' returns only output of the first 50 jobs					

Task	Status	Date ready	Release
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TASK-0702-SURE	Received Reported by Type	23-Mar-2017 ITSforSURE FEATURE	SOLVED	23-Mar-2017	at 90
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SURE backend on Windows: create a bat file to install or upgrade the software

TASK-0704-SURE	Received Reported by Type Severity Probability	27-Mar-2017 ITSforSURE ERROR SEVERE POSSIBLE	SOLVED	28-Mar-2017	at 90
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SURE backend on Windows: an incomplete start file is processed by the Scheduler

Solution: Previously a start file was created in the start directory. The Scheduler checks every second for files in the start directory and as soon as a file is found the corresponding job is started. This could also happen when the start file was not yet completely filled.

In the new situation the start file is first created in the local data directory and after the file is closed it is moved to the start directory where it is picked up by the Scheduler.

TASK-0705-SURE	Received Reported by Type Severity Probability	27-Mar-2017 SNS ERROR MODERATE POSSIBLE	SOLVED	29-Mar-2017	at 90
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SURE backend on Windows: program RESPECT/SURE/FIND does not select any files

Solution: This was caused by specific authorization settings

TASK-0707-SURE	Received Reported by Type Severity Probability	29-Mar-2017 SNS ERROR MINOR CERTAIN	SOLVED	29-Mar-2017	at 90
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Function Reports: Tasks Forms via Macro and Task Forms (selected in the browser) don't work

Solution: This was caused by wrong settings in the ini file.

The correct setting are as follows:

```
[REPORT_MULTITASK]
SELECT=GROUP
STEP1=RTF:<rtf-dir>\MultiTask.rtf
```

```
[REPORT_TESTRELEASELETTER]
SELECT=NONE
STEP1=INPUT:ParMacro,SELECT-MACRO,Macro;ParProject,PROJECT,Project
```

Task			Status	Date ready	Release
STEP2=RTF:<rtf-dir>\ReleaseLetter.rtf					
<rtf-dir> = the directory where the RFT files are placed					
TASK-0708-SURE	Received Reported by Type Severity Probability	29-Mar-2017 SNS ERROR MAJOR RARE	SOLVED	29-Mar-2017	at 90
SURE backend on Windows: loop in RESPECT_SURE_EXAMINE					
Solution:	This was caused by a MicroFocus Cobol copy-file that was stored in the repository in zipped mode. RESPECT/SURE/EXAMINE skips now binary sources and copy-files				
TASK-0711-SURE	Received Reported by Type Severity Probability	05-Apr-2017 SNS ERROR MAJOR POSSIBLE	SOLVED	12-Apr-2017	at 90
SURE backend on Windows: program LOAD DASDL reports a strange syntax error, but the input dasdl seems to be correct					
Solution:	This could happen for the following files: - The file is large (10000+ lines) - The last line in the file does not have a carriage return and/or line feed at the end - Some records in the file have a carriage return and line feed at the end, other records only have line feed				
TASK-0712-SURE	Received Reported by Type	07-Apr-2017 SNS IMPROVEMENT	SOLVED	13-Apr-2017	at 90
SURE backend on Windows: A batch program must display the local data directory (with the family and usercode)					
Solution:	The script (job) that runs a batch program gives the following display: DATA directory : ..\DATA\IDRD\SIMON A batch program gives on the Windows backend the following display: Local data directory: ..\DATA\IDRD\SIMON The two directories in the displays must be the same. The local data directory is similar as the local Cande directory on the MCP. A batch program reads and writes data files in its local data directory.				
TASK-0722-SURE	Received Reported by Type	13-Apr-2017 SNS IMPROVEMENT	SOLVED	13-Apr-2017	at 90
Function 'Purge compile queue': give a warning if there are files with compile-status syntax or abort and that compile-status is not removed					

Task			Status	Date ready	Release
TASK-0723-SURE	Received Reported by Type Severity Probability	13-Apr-2017 ITSforSURE ERROR MODERATE CERTAIN	SOLVED	13-Apr-2017	at 90
SURE backend on Windows, function 'Load Messages': the extended message text may contain carriage-return/line-feeds, but the loader translates them to spaces. This results sometimes in strange error messages.					
TASK-0724-SURE	Received Reported by Type	13-Apr-2017 ITSforSURE IMPROVEMENT	SOLVED	13-Apr-2017	at 90
SURE backend on Windows: batch programs must display the input parameter					
TASK-0725-SURE	Received Reported by Type Severity Probability	13-Apr-2017 ITSforSURE ERROR MODERATE CERTAIN	SOLVED	13-Apr-2017	at 90
SURE backend on Windows: Program RESPECT/REPOSITORY does not initialize on the correct local data location					
Solution:	This happened if the program was started with a RUNUSER and RUNPACK that deviate from the default usercode and pack that are defined in the config file				
TASK-0727-SURE	Received Reported by Type Severity Probability	14-Apr-2017 SNS ERROR MODERATE POSSIBLE	SOLVED	14-Apr-2017	at 90
Extended data file info: sometimes the manually added information disappears					
TASK-0730-SURE	Received Reported by Type	18-Apr-2017 SNS IMPROVEMENT	SOLVED	19-Apr-2017	at 90
SURE backend on Windows: put the SURE backend on Windows software automatically on the website of ITSforSURE after a built					
TASK-0732-SURE	Received	22-Apr-2017	SOLVED	23-Apr-2017	at 90

Task	Status		Date ready	Release
	Reported by	SNS		
	Type	ERROR		
	Severity	MODERATE		
	Probability	POSSIBLE		
	Examine does not recognize multiple input files in the USING phrase of the SORT statement			
TASK-0733-SURE	Received	23-Apr-2017	SOLVED	23-Apr-2017 at 90
	Reported by	SNS		
	Type	ERROR		
	Severity	SEVERE		
	Probability	POSSIBLE		
	SURE backend on Windows: Examine loops on a string with hex-00 in a MicroFocus COBOL source			
TASK-0734-SURE	Received	23-Apr-2017	SOLVED	23-Apr-2017 at 90
	Reported by	ITSforSURE		
	Type	ERROR		
	Severity	SEVERE		
	Probability	POSSIBLE		
	SURE backend on Windows: Function RUN via ODT must not translate the run parameter of a program to uppercase			
Solution:	In some cases a source-name must be passed as a parameter, and a source-name can contain lowercase characters			
TASK-0736-SURE	Received	25-Apr-2017	SOLVED	25-Apr-2017 at 90
	Reported by	SNS		
	Type	ERROR		
	Severity	MAJOR		
	Probability	RARE		
	SURE backend on Windows: initialization of a batch program may fail			
Solution:	This happened when batch function RESPECT/REPOSITORY("CHECK-REPOSITORY-LEVEL") was the first action ever for a specific user account. It did not happen when the user started with an online action or with any other batch function.			
TASK-0737-SURE	Received	26-Apr-2017	SOLVED	03-May-2017 at 90
	Reported by	SNS		
	Type	ERROR		
	Severity	SEVERE		
	Probability	LIKELY		
	Batch function 'Select unused': the filter 'not added since' does not work			
Solution:	Copy-files and other files and RIS-components that are linked to a task are considered as 'in use' Files and RIS-components that are added since the input data are considered as 'in use'			
	When the program runs in update mode then a relation is added to the not-used files and RIS-components. This relation is defined by parameters CLASS <class> and ASSET <asset>.			

Task	Status	Date ready	Release
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For example: RUN RESPECT/REPOSITORY("SELECT-UNUSED DATE 20170101 CLASS ARCHIVE ASSET MAY")

There are 3 different groups of files that are mentioned on the UNUSED overview:

- Unused copy files: these are marked with relation <class> <asset>-CPY (e.g. ARCHIVE MAY-CPY)
- Unused PC-files: these are marked with relation <class> <asset>-PC (e.g. ARCHIVE MAY-PC)
- Unused ALP, DCM or DBP programs that are not generated: these are marked with relation <class> <asset> (e.g. ARCHIVE MAY)

TASK-0738-SURE	Received Reported by Type	28-Apr-2017 ITSforSURE IMPROVEMENT	SOLVED	02-May-2017	at 90, 80
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Make software compatible for MCP release 18 (59.1)

TASK-0739-SURE	Received Reported by Type	28-Apr-2017 ANDIMA FEATURE	SOLVED	17-May-2017	at 90, 80
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Implement an extra function in RESPECT/LIBRARY/SUPERVISOR that can be used to check if a relation exists in a specific environment and to verify the timestamp of that relation.

Solution: The name of the new exported function is FND_RELATION_TIME

The function must be called as follows:

```
RSLT := FND_RELATION_TIME(S_OWNER,S_CLASS,S_ASSET,S_ENVIRONMENT,S_GROUP);
```

S_OWNER = the owner of the relation: a filename, a task-name, a usercode, et cetera
 S_CLASS = the class of the relation. This name must exist in SURE
 S_ASSET = the asset of the relation or NULL (if the asset = 0)
 S_ENV = the environment of the relation. NULL for the global environment
 S_GROUP = the group of the relation. NULL or EMPTY defaults to groups FILE-CONTROL and FILE

RSLT contains the return value of the function. This can be a timestamp in TIME-7 layout or it can be an error code. The following result values are possible:

- If RSLT.[47:40] = 0 then the function returned one or more errors:
 - RSLT = 63 : When the port file communication is used: problems with the port file interface
 - RSLT = 127: When the port file communication is used: the version of this library is not the same on both hosts
 - RSLT.[0:1] = 1 : invalid OWNER
 - RSLT.[1:1] = 1 : invalid CLASS
 - RSLT.[2:1] = 1 : invalid ASSET
 - RSLT.[3:1] = 1 : the relation is not found in SURE
 - RSLT.[4:1] = 1 : invalid ENVIRONMENT
 - RSLT.[5:1] = 1 : invalid GROUP
- If RSLT.[47:40] > 0 then the relation exists and RSLT contains the timestamp of the relation in TIME-7 format.

Examples

Example 1: this call returns the time stamp of compilation of program PROG/AA in environment DEVELOP

```
RSLT := FND_RELATION_TIME("PROG/AA","COMPILE-STATUS"
, "COMPILED", "DEVELOP", EMPTY);
```


Task	Status	Date ready	Release
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Example 2: this call returns the time stamp when program PROG/AA was deployed in environment PROD
 RSLT := FND_RELATION_TIME("PROG/AA","TRANSFER-STATUS"
 ,"TRANSFERRED","PROD",EMPTY);

Example 3: this call returns the time stamp when task T-1 got status solved
 RSLT := FND_RELATION_TIME("T-1","STATUS","SOLVED","NULL","PROBLEM");

TASK-0740-SURE	Received Reported by Type	02-May-2017 ITSforSURE IMPROVEMENT	SOLVED	02-May-2017	at 90, 80
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Create the default INFDB description file for DMS release 591

TASK-0741-SURE	Received Reported by Type	02-May-2017 ITSforSURE IMPROVEMENT	SOLVED	02-May-2017	at 90, 80
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Compile SURE software with MCP-591 compilers

TASK-0742-SURE	Received Reported by Type Severity Probability	03-May-2017 ORDINA ERROR MAJOR POSSIBLE	SOLVED	03-May-2017	at 90
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The generation of the build script fails if the input with build commands is too large

TASK-0743-RIS	Received Reported by Type	09-May-2017 ITSforSURE FEATURE	SOLVED	09-May-2017	at 90
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SURE backend on Windows: activate batch function RESPECT/REPOSITORY("SELECT <options>") also for the Windows backend

TASK-0745-SURE	Received Reported by Type	11-May-2017 ITSforSURE FEATURE	SOLVED	19-May-2017	at 90
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SURE backend on Windows: new method to start and stop the backend server

Solution: The new method to start and stop the SURE server is as follows:

The new start and stop method is controlled via a bat file and two shortcuts:
 - Bat file: <SURE-server-directory>\BIN\StartStop.bat
 - Shortcut: <SURE-server-directory>\Start SURE server

Task	Status		Date ready	Release
<p>This starts bat file 'StartStop.bat' with parameter START</p> <p>- Shortcut: <SURE-server-directory>\Stop SURE server</p> <p>This starts bat file 'StartStop.bat' with parameter STOP</p> <p>StartStop.bat uses some new settings in the config file to know what has to be started and what has to be stopped.</p> <p>The new bat file, shortcuts and configuration settings are automatically installed by the installation bat file: Install.bat</p> <p>Install.bat does the following:</p> <ul style="list-style-type: none">- Copy bat file 'StartStop.bat' to the BIN directory- If shortcut 'Start SURE server' does not exist then create that shortcut and add the new settings in the config file- If shortcut 'Stop SURE server' does not exist then create that shortcut <p>This method is also described in the SURE backend on Windows reference guide, in paragraphs 5.1.2, 5.2.1, 5.2.2 and 5.3.0</p>				
TASK-0746-SURE	Received Reported by Type	12-May-2017 ITSforSURE IMPROVEMENT	SOLVED	12-May-2017 at 90
<p>Batch function 'Select unused': do not select files that are checked-out</p>				
TASK-0747-SURE	Received Reported by Type	13-May-2017 SNS IMPROVEMENT	SOLVED	18-May-2017 at 90
<p>SURE backend on Windows: Improve performance of function Query</p>				
Solution:	<p>Previously, the first response page of the query function was shown after the data of all response pages was collected.</p> <p>The first response page is now shown as soon as possible: after the data of the first response page plus the key data of the following response pages is collected.</p>			
TASK-0748-SURE	Received Reported by Type	16-May-2017 ITSforSURE IMPROVEMENT	SOLVED	16-May-2017 at 90
<p>SURE backend on Windows: RESPECT_SURE_WINBATCH must only generate a continuation job if the TO-GENERATE queue is not empty.</p>				
TASK-0749-SURE	Received Reported by Type	16-May-2017 ITSforSURE FEATURE	SOLVED	17-May-2017 at 90
<p>SURE backend on Windows: implement 'wait on exclusive file' method</p>				
Solution:	<p>This is only implemented for programs, not for the Java scripts</p>			

Task	Status		Date ready	Release
TASK-0751-SURE	Received Reported by Type	17-May-2017 RVA FEATURE	SOLVED	17-May-2017 at 90, 80
Make a new program that writes references in a data file				
Solution:	<p>Run the program as follows:</p> <pre>RESPECT/SITE/RVA/REFERENCES("<parameter>")</pre> <p><parameter>:</p> <pre> ----- << --- ---- REFERENCE ----- <class> ----- -- SORT-ON-ASSET -- </pre> <p>- The program supports up to 8 different classes - By default the output listing is sorted on program name (the owner), but when SORT-ON-ASSET is used in the parameter then the listing is sorted on the referenced name (the asset).</p>			
TASK-0752-SURE	Received Reported by Type Severity Probability	17-May-2017 ITSforSURE ERROR NEGLIGIBLE CERTAIN	SOLVED	13-Jun-2017 at 90
Function Check-Out with Local Editing disabled gives a warning that the local workfile is invalid. But this message is irrelevant because the source is going to be modified via Cande or NxEdit				
TASK-0754-SURE	Received Reported by Type	18-May-2017 SNS IMPROVEMENT	SOLVED	13-Jun-2017 at 90
When the DIFF algorithm fails, create a DIFF file containing both sources.				
Solution:	<p>On check-in of a file, the DIFF algorithm can fail to create a sensible DIFF file, e.g. when the differences between two large files are so extensive that the algorithm overruns its buffers trying to store these differences. Up to now in such cases, a pseudo DIFF file was created containing only an error message. This made it impossible to rollback the file over the version where the DIFF failed. Now, instead of this, a DIFF file is created containing both the old and the new file, formatted in such a way that a rollback over this version will yield the entire old file, and a roll forward will yield the entire new file.</p>			
TASK-0755-SURE	Received Reported by Type Severity Probability	19-May-2017 ORDINA ERROR SEVERE POSSIBLE	SOLVED	21-May-2017 at 90
SURE PC Build: files with a name ending in Build.bat may not get marked ready				
Solution:	<p>File build scripts are created with a name <file>_Build.bat The build process name resolution considered to be build scripts all files with a name <file>Build.bat</p>			

Task	Status	Date ready	Release
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This meant that a manually named file like AfterBuild.bat was unjustly considered a build script. An underscore was added to the name resolution to fix this.

TASK-0757-SURE	Received Reported by Type	22-May-2017 ITSforSURE IMPROVEMENT	SOLVED	22-May-2017	at 90
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SURE backend on Windows: define new indexes on tables DREL and DINFO in the SQL-server database

TASK-0758-SURE	Received Reported by Type Severity Probability	22-May-2017 BBL ERROR MINOR RARE	SOLVED	23-May-2017	at 90
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SURE FIND: Program RESPECT/SURE/FIND crashes if the length of the FIND-id is longer than 17 characters

Solution: It is now fixed. It is not possible anymore to use a FIND-id that is longer than 17 characters

TASK-0759-SURE	Received Reported by Type	23-May-2017 ORDINA IMPROVEMENT	SOLVED	13-Jun-2017	at 90
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SURE build server: make Skip-on-Error configurable.

Solution: In the old situation, if a build action for a file resulted in an error, the remainder of the files in that same directory, and files in the parent of that directory, recursively, were skipped to avoid later builds working with obsolete or incorrect results of this first build. But in a setting where multiple independent projects reside in one directory, this is not a good choice.

A key SKIPONERROR is added to the [BATCH] section of the INI file to configure this behavior:
[BATCH] SKIPONERROR=FALSE (by default) will not skip any subsequent same directory or parent directory builds on error of a file build.
[BATCH] SKIPONERROR=TRUE (must be set manually) will yield the old situation.

TASK-0763-SURE	Received Reported by Type Severity Probability	26-May-2017 ORDINA ERROR SEVERE RARE	SOLVED	26-May-2017	at 90
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The compilation of our site library fails. We have a site-library that includes RESPECT/DEFINES

TASK-0765-SURE	Received Reported by Type Severity Probability	30-May-2017 ORDINA ERROR MODERATE POSSIBLE	SOLVED	13-Jun-2017	at 90
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Task			Status	Date ready	Release
Sometimes the Sfw Build Server goes in wait status with a messages box "Out of memory". The only option is to stop the program.					
TASK-0766-SURE	Received Reported by Type	05-Jun-2017 SNS IMPROVEMENT	SOLVED	05-Jun-2017	at 90
Function Task Transfer: If the linked item is a sub-task then also show the user who worked on that task					
Solution:	The user who worked on a sub-task is now placed on the transfer-screen on the line of that sub-task in column 'Changed by'				
TASK-0767-SURE	Received Reported by Type Severity Probability	05-Jun-2017 SNS ERROR MINOR CERTAIN	SOLVED	06-Jun-2017	at 90
SURE backend on Windows: batch function 'Load Run Statistics' gives a strange message that a file can not be opened					
TASK-0768-SURE	Received Reported by Type Severity Probability	06-Jun-2017 ITSforSURE ERROR SEVERE RARE	SOLVED	06-Jun-2017	at 90
SURE backend on Windows: function 'Load Run Statistics' does not do anything if the file contains only 1 record					
TASK-0771-SURE	Received Reported by Type	06-Jun-2017 CEDAE FEATURE	SOLVED	13-Jun-2017	at 90, 80
Implement SUREforWindows-BATCH function DOWNLOAD, to download a directory or a selection of files					
Solution:	Usage: Syntax 1: [BATCH] ENVIRONMENT=<environment name> DOWNLOAD=<path with wildcards> SUBDIR=true/false Syntax 2: [BATCH] ENVIRONMENT=<environment name> DOWNLOAD=QUERY MACRO=<macro name>				

Task			Status	Date ready	Release
	Syntax 3: [BATCH] ENVIRONMENT=<environment name> DOWNLOAD=QUERY WILDCARD=<path with wildcards> LIMIT=<max. number> EXPRESSION=<query expression> See the task explanation form or the task attachment in SURE for detailed information				
TASK-0772-SURE	Received Reported by Type Severity Probability	08-Jun-2017 BBL ERROR SEVERE RARE	SOLVED	13-Jun-2017	at 90
	Function Upload Data-file: there was a SEG ARRAY error on the MCP at program FILE_TRANSFER, and after that the data file is sent over and over again, each time resulting in a crash				
Solution:	The reason of the crash is now solved. We assume that the user made a type error with the record size of the file and that he entered a size larger than 4096. We also changed the behavior of SfW when a file transfer error is detected: SfW gives now an error message and does not send the file again automatically.				
TASK-0773-RFW	Received Reported by Type	09-Jun-2017 ITSforSURE IMPROVEMENT	SOLVED	13-Jun-2017	at 90
	Eliminate restarting of unfinished file transfers on error or timeout.				
Solution:	This caused a loop when the file-transfer crashed on the MCP and was then restarted again and again				
TASK-0775-SURE	Received Reported by Type Severity Probability	13-Jun-2017 ITSforSURE ERROR MINOR LIKELY	SOLVED	14-Jun-2017	at 90
	Upload and download dialogs do not route to the proper directory.				
Solution:	This could happen when SUREforWindows is installed multiple times on one workstation. Both functions start now by default at the SUREforWindows\TEMP directory. From there you can switch to another path				
TASK-0776-SURE	Received Reported by Type Severity Probability	14-Jun-2017 SNS ERROR SEVERE RARE	SOLVED	14-Jun-2017	at 90
	SURE backend on Windows: confusing displays during batch function DUMP-FOR-WIKI				

Task			Status	Date ready	Release
Solution:	The output file with WIKIDATA could not be created. This was caused by an improper setup of a translation table with hex-value '80'				
TASK-0777-SURE	Received	14-Jun-2017	SOLVED	14-Jun-2017	at 90
	Reported by	SNS			
	Type	ERROR			
	Severity	MAJOR			
	Probability	POSSIBLE			
SURE backend on Windows: opening a PC directory gives sometimes the error message "store global memory failed". This function is also used in the CVS interface, so there we get the same error message.					
Solution:	This happened only for directory names that are longer than 74 characters				
TASK-0778-SURE	Received	14-Jun-2017	SOLVED	14-Jun-2017	at 90
	Reported by	SNS			
	Type	IMPROVEMENT			
SURE backend on Windows: scripts must ignore comma's in the command line at the end of a parameter					
Solution:	Script parameters must have the following syntax: <key>=<value>				
It is not allowed to use spaces in the <key> or in the <value> or just before or just after the '=' character. So the <key> and <value> are in one string without intermediate spaces, and they are separated by the '='.					
It is possible to pass multiple parameters to a script, where each parameter has the syntax <key>=<value>. Parameters are separated by one or more spaces.					
We recommend to use no commas in the command line parameters					
- A comma at the end of a parameter is ignored.					
- All other commas in the command line are not ignored. So, it is possible that a <value> contains a comma, but not at the end.					
The script searches in the list of command line arguments for a parameter that starts with <key>.					
- If such a parameter is found then <value> is used to initialize a variable in the script.					
- If such a parameter is not passed to the script then the variable that belongs to that key becomes undefined.					
- Parameters with an unexpected <key> are ignored by the job.					
TASK-0779-SURE	Received	15-Jun-2017	SOLVED	16-Jun-2017	at 90
	Reported by	SNS			
	Type	ERROR			
	Severity	SEVERE			
	Probability	RARE			
SURE backend on Windows: synchronization via the CVS-interface fails for some files					
Solution:	This happened for PC files that have the string ' on ' in the file name and for PC files that have a space in the name at the 17th or 34th place after a slash				
TASK-0780-SURE	Received	16-Jun-2017	SOLVED	16-Jun-2017	at 90
	Reported by	ITSforSURE			
	Type	ERROR			

Task	Status		Date ready	Release
	Severity Probability	SEVERE POSSIBLE		
	SURE backend on Windows: there is sometimes a crash of LFIXX at function delete			
Solution:	This happened if the last file in a directory was renamed to another directory or deleted from the directory			
TASK-0781-SURE	Received Reported by Type Severity Probability	16-Jun-2017 ITSforSURE ERROR MINOR POSSIBLE	SOLVED	16-Jun-2017 at 90
	Renaming a file from or into a root directory (PC files or MCP files) does not refresh the browser correctly			
Solution:	Although the file was correctly renamed, it remained also visible in the root directory			
TASK-0782-XX	Received Reported by Type	20-Jun-2017 ITSforSURE IMPROVEMENT	SOLVED	04-Jul-2017 at 90
	Create extra build scripts for the SURE backend on Windows projects, to support a full automatic rebuild when something is changed in the Ceres files or in DbAccess			
TASK-0783-SURE	Received Reported by Type	21-Jun-2017 ITSforSURE FEATURE	SOLVED	04-Jul-2017 at 90
	SURE build server: implement a build for multiple independent projects in one directory			
Solution:	<p>A directory Build.bat can now be used to build multiple independent source sets residing in one directory. The Build.bat can report back which source sets / projects / solutions were built successfully or with errors, by creating a result file containing which SURE files should be reported as OK, and which would be marked as built with errors.</p> <p>The default name of result file is Build.result. This can be overridden by: [BATCH] RESULTNAME=<templated name></p> <p>A line in the result file has one of two forms: <SURE file name> OK to mark a file in the repository as compiled OK.</p> <p><SURE file name> <relative path to error file> to mark a file as compiled with errors, and load the error file. The error file's path is relative to the working directory.</p> <p>The result file has the same layout as a similar file used in the build command MAKE.</p>			
TASK-0784-SURE	Received Reported by Type	23-Jun-2017 SNS IMPROVEMENT	SOLVED	26-Jun-2017 at 90
	Improve the performance of a query with a wildcard-prefix in combination with an advanced expression			

Task	Status	Date ready	Release
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TASK-0787-SURE	Received Reported by Type Severity Probability	28-Jun-2017 ANDIMA ERROR SEVERE POSSIBLE	SOLVED 28-Jun-2017 at 90, 80
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A source is sometimes not refreshed in the Local-Source-Directory on Windows after if was modified under Cande

Solution:

This happened in the following case:

- SUREforWindows: check-out <file> with Local Editing disabled (this puts the file under Cande)
- Cande: change and save the file
- SUREforWindows: compare the file with the previous version
- SUREforWindows: check-in
- SUREforWindows: view (this does not refresh the file in the Local-Source-Directory)

It went only wrong if you do the check-out with Local-Edit = disabled and if you do the extra compare before you check-in. The file in SURE is correct

TASK-0788-SURE	Received Reported by Type	29-Jun-2017 UOFW IMPROVEMENT	SOLVED 30-Jun-2017 at 90
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Function Rename File: prefill field New Name with Old Name

TASK-0794-SURE	Received Reported by Type	04-Jul-2017 SNS IMPROVEMENT	SOLVED 10-Jul-2017 at 90
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SURE backend on Windows: Batch function 'Clean Log' (in program RESPECT/SURE/WINBATCH) takes a very long time

TASK-0798-SURE	Received Reported by Type Severity Probability	05-Jul-2017 ANDIMA ERROR MODERATE RARE	SOLVED 05-Jul-2017 at 90
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If a user is also defined as employee-function then it is not possible to delete one of them without affecting the other

TASK-0799-SURE	Received Reported by Type Severity Probability	05-Jul-2017 ITSforSURE ERROR MINOR POSSIBLE	SOLVED 05-Jul-2017 at 90
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Do not allow to create drop-down boxes for USER-ID and EMPLOYEE-FUNCTION

Task	Status	Date ready	Release
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TASK-0802-SURE	Received Reported by Type	07-Jul-2017 SNS IMPROVEMENT	SOLVED	08-Jul-2017	at 90
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Function Update Information: make a log entry and link the action 'Update Information' also to a task if the file or RIS-component is generated. The file or RIS-component itself is not linked to the task

TASK-0803-SURE	Received Reported by Type Severity Probability	10-Jul-2017 SNS ERROR MAJOR RARE	SOLVED	10-Jul-2017	at 90
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Timeout when processing the build queue (when 18000+ files are in the build queue)

TASK-0806-SURE	Received Reported by Type	11-Jul-2017 ITSforSURE FEATURE	SOLVED	11-Jul-2017	at 90, 70, 80
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Upgrade the ITSforSURE website to release 90

TASK-0809-SURE	Received Reported by Type	18-Jul-2017 UOFW FEATURE	SOLVED	26-Jul-2017	at 90, 80
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Implement support for WIDESYMBOL files (release 80)

TASK-0810-SURE	Received Reported by Type	19-Jul-2017 UOFW IMPROVEMENT	SOLVED	20-Jul-2017	at 90, 80
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Function RENAME: link the renamed file also to the task so that it creates an overlap with other tasks that are linked to the same file

Solution:

The rename action and the renamed file are now both linked to the task:
- the file creates an overlap with other tasks that are linked to the same file

The following happens when the task is transferred to a higher environment:
- the file is linked to the task, so the file-content is also transferred
- the rename action is linked to the task and that repeats the rename in the higher environment

The following happens if you delink the file from the task (on the task-transfer screen):
- the task transfer does not transfer the file-content to the next environment (because the file is delinked)

Task	Status	Date ready	Release
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- the task transfer still renames the file in the next environment (because the rename action is still linked to the task)

TASK-0811-SURE	Received Reported by Type	20-Jul-2017 ITSforSURE IMPROVEMENT	SOLVED	11-Aug-2017	at 90
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In case of a renamed file or item-name: the Status screen in SUREforWindows shows now the applicable name for each environment

TASK-0812-SURE	Received Reported by Type	20-Jul-2017 ITSforSURE IMPROVEMENT	SOLVED	26-Jul-2017	at 90
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Set the release number to 90.4 (because of some changes in the GUI)

TASK-0813-SURE	Received Reported by Type	20-Jul-2017 UOFW FEATURE	SOLVED	11-Aug-2017	at 90
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Implement support for Unisys WIDESYMBOL files (release 90)

TASK-0814-SURE	Received Reported by Type Severity Probability	21-Jul-2017 ITSforSURE ERROR MODERATE RARE	SOLVED	11-Aug-2017	at 90
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Function Compare 'file version from SURE' with 'Unknown file version from CANDE' does not work. The CANDE file is not downloaded to Windows.

Solution: Compare functions did not append a file extension to a downloaded CANDE file.

TASK-0817-SURE	Received Reported by Type	24-Jul-2017 ITSforSURE FEATURE	SOLVED	07-Aug-2017	at 90
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Generate a job to compile software on another MCP

TASK-0818-SURE	Received Reported by Type	26-Jul-2017 ITSforSURE IMPROVEMENT	SOLVED	26-Jul-2017	at 90
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Support the releaseid of the MCP58 algol compilers

Task			Status	Date ready	Release
TASK-0819-SURE	Received Reported by Type Severity Probability	26-Jul-2017 SNS ERROR MAJOR POSSIBLE	SOLVED	11-Aug-2017	at 90
Commit via CVS interface crashes GUI					
TASK-0820-SURE	Received Reported by Type Severity Probability	30-Jul-2017 SNS ERROR MAJOR POSSIBLE	SOLVED	31-Jul-2017	at 90
SURE backend on Windows: program RESPECT/SURE/FIND crashes with message 'The system cannot find the file specified'					
Solution:	This was caused by the date option in the query parameter. Some characters in the date option cannot be passed via a command line argument to a C++ executable.				
TASK-0829-SURE	Received Reported by Type	01-Aug-2017 ITSforSURE IMPROVEMENT	SOLVED	01-Aug-2017	at 90
Local compile must be executed under the correct usercode where the file is checked-out, even when the developer changed his current task to another system (with a different work location)					
TASK-0830-SURE	Received Reported by Type Severity Probability	02-Aug-2017 SNS ERROR MODERATE POSSIBLE	SOLVED	02-Aug-2017	at 90
SURE backend on Windows: functions 'Undo checkout' gives an error that the file is not checked-out					
TASK-0831-SURE	Received Reported by Type	02-Aug-2017 ITSforSURE IMPROVEMENT	SOLVED	02-Aug-2017	at 90
SURE backend on Windows: Function 'List File' creates a temporary file but does not remove it from disk afterwards					
TASK-0832-SURE	Received Reported by Type	02-Aug-2017 ITSforSURE IMPROVEMENT	SOLVED	03-Aug-2017	at 90

Task	Status		Date ready	Release
	Review the text of the error messages			
Solution:	Check for old program names and old function names Check the spelling and grammar Verification messages: suppress double text lines: 'Press <OK> to continue' and 'Press <Cancel> to check'			
TASK-0833-SURE	Received Reported by Type	02-Aug-2017 ITSforSURE IMPROVEMENT	SOLVED	11-Aug-2017 at 90
	Checkout dialog must use the INI setting BAKFILES=FALSE			
Solution:	Boolean option BAKFILES=TRUE/FALSE determines if a file in the local work directory must be copied as a BAK-file when that file is checked-out. The verification messages that are shown during check-out follow now the setting of the option.			
TASK-0834-SURE	Received Reported by Type Severity Probability	03-Aug-2017 SNS ERROR SEVERE RARE	SOLVED	11-Aug-2017 at 90
	INI file setting [COMPILE]VIA=OLE does not work properly for RIS generations.			
TASK-0836-RIS	Received Reported by Type	07-Aug-2017 SNS IMPROVEMENT	SOLVED	07-Aug-2017 at 90
	Batch function LOAD-MESSAGES: display the number of loaded messages			
TASK-0841-SURE	Received Reported by Type	10-Aug-2017 LEMANS IMPROVEMENT	SOLVED	11-Aug-2017 at 90
	Test maintenance of MCP file via patch files			
TASK-0842-SURE	Received Reported by Type Severity Probability	12-Aug-2017 ITSforSURE ERROR MODERATE RARE	SOLVED	31-Aug-2017 at 90
	Function 'Copy old version' fails for a PC source file when the delta file contains a record longer than 360 characters			

Task	Status		Date ready	Release
TASK-0843-RIS	Received Reported by Type	15-Aug-2017 ANDIMA IMPROVEMENT	SOLVED (works-as-intended)	23-Aug-2017 at 90, 80
Make it possible to update the Kerberos host/domain setting via a batch function				
Solution: The following Kerberos batch functions are now available:				
Inquire: RUN RESPECT/REPOSITORY("RESET-KERBEROS");				
Delete: RUN RESPECT/REPOSITORY("RESET-KERBEROS DELETE");				
Update: RUN RESPECT/REPOSITORY("RESET-KERBEROS UPDATE host/domain");				
TASK-0844-SURE	Received Reported by Type	15-Aug-2017 LEMANS IMPROVEMENT	SOLVED	17-Aug-2017 at 90
When the editor for MCP files is Programmer Workbench (NXEDIT), then use Notepad for error files and the Found report				
TASK-0845-SURE	Received Reported by Type Severity Probability	15-Aug-2017 ITSforSURE ERROR MODERATE POSSIBLE	SOLVED	23-Aug-2017 at 90
Function 'Load PC file' cannot add a file that has a name starting with the name of an existing file.				
TASK-0847-SURE	Received Reported by Type	22-Aug-2017 LEMANS IMPROVEMENT	SOLVED	22-Aug-2017 at 90
Batch function DUMP-REPOSITORY and LOAD-REPOSITORY: Add extra log-entries when a file is dumped or loaded				
TASK-0848-SURE	Received Reported by Type	22-Aug-2017 ITSforSURE IMPROVEMENT	SOLVED	23-Aug-2017 at 90
When deleting a FIND-identifier then also remove the exclusive file that belongs to the FIND-id				
TASK-0849-SURE	Received Reported by Type	23-Aug-2017 ITSforSURE IMPROVEMENT	SOLVED	23-Aug-2017 at 90
The task reports that are created on the MCP by program RESPECT/TASK/LIST show task descriptions with exactly 80 characters on a line. This should be: as many as possible characters on a line				

Task	Status		Date ready	Release
TASK-0850-SURE	Received Reported by Type	24-Aug-2017 LEMANS IMPROVEMENT	SOLVED	30-Aug-2017 at 90
	Improvements to quick fix dialog			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0851-SURE	Received Reported by Type Severity Probability	25-Aug-2017 ITSforSURE ERROR MINOR RARE	SOLVED	25-Aug-2017 at 90
	Function Undo Check-out: sometimes the file is not delinked from the task when it should have been done			
Solution:	This happened when the clock of the workstation where the SfW-GUI runs and the clock of the server (where the backend runs) are out of sync for more then 1.5 hours			
TASK-0852-SURE	Received Reported by Type	26-Aug-2017 ITSforSURE IMPROVEMENT	SOLVED	27-Aug-2017 at 90
	Setup the configuration for Notepad++ to use it as local editor for MCP files			
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0853-SURE	Received Reported by Type	29-Aug-2017 UOFW IMPROVEMENT	SOLVED	29-Aug-2017 at 90, 80
	Improvements at upgrade MCP software			
Solution:	Job WFL/RIS/INSTALL: If the dasdl compile changes the update level of the database then the TASKVALUE of the WFL job is set to that update level. So, job WFL/RIS/INSTALL can use that to COPY DMSUPPORT/INFDB/<update-level> AS DMSUPPORT/INFDB. DO-file RESPECT/SETUP: Remove the continuation character that is used in the file			
TASK-0854-RFW	Received Reported by Type	29-Aug-2017 BBL IMPROVEMENT	SOLVED	30-Aug-2017 at 90
	Change resequencing on File Checkin to always generate and send a work and match file. A file with an invalid sequence range will now be rejected by the server.			

Task			Status	Date ready	Release
TASK-0856-SURE	Received Reported by Type Severity Probability	07-Sep-2017 LEMANS ERROR SEVERE POSSIBLE	SOLVED	07-Sep-2017	at 90
RESPECT/SURE/FIND crashes on a long file name					
TASK-0857-SURE	Received Reported by Type Severity Probability	07-Sep-2017 LEMANS ERROR MODERATE POSSIBLE	SOLVED	20-Sep-2017	at 90
Cannot load an attachment if the name of the attachment has a space on the 17th position					
TASK-0860-RFW	Received Reported by Type	20-Sep-2017 LEMANS IMPROVEMENT	SOLVED	04-Oct-2017	at 90
We get error message "compress failed" when we try to load an attachment in SURE that is still opened in MS-Word					
Solution:	The error message is now more specific so that the user knows what to do				
TASK-0861-SURE	Received Reported by Type Severity Probability	20-Sep-2017 SNS ERROR MODERATE CERTAIN	SOLVED	21-Sep-2017	at 90
SURE backend on Windows: function Transfer: Delta files of a changed source are not copied to the destination environment					
TASK-0862-SURE	Received Reported by Type	24-Sep-2017 LEMANS FEATURE	SOLVED	12-Oct-2017	at 90
Implement a new method that allows to modify an MCP source via a patch file, even if the source is not equal in all environments					
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-0865-SURE	Received Reported by Type	29-Sep-2017 ITSforSURE IMPROVEMENT	SOLVED	03-Oct-2017	at 90

Task			Status	Date ready	Release
Function 'Open directory with files': return extra 'I am still busy' messages to avoid time-outs and improve the performance when a directory contains 1000+ files					
TASK-0867-RIS	Received Reported by Type	05-Oct-2017 SNS IMPROVEMENT	SOLVED	06-Oct-2017	at 90
SURE backend on Windows: implement commands MX, AA, A, W and ERR on the ODT screen					
TASK-0872-SURE	Received Reported by Type	17-Oct-2017 SNS IMPROVEMENT	SOLVED	08-Nov-2017	at 90
SURE backend on Windows: extra displays in batch program load AIXLOG to analyze the issue that some run-statistics are not visible					
TASK-0873-SURE	Received Reported by Type Severity Probability	18-Oct-2017 SNS ERROR MINOR POSSIBLE	SOLVED	18-Oct-2017	at 90
SURE backend on Windows: cannot load an error file if the sourcename has a node longer than 17 characters					
TASK-0876-SURE	Received Reported by Type	18-Oct-2017 SNS IMPROVEMENT	SOLVED	18-Oct-2017	at 90
SURE backend on Windows: Improve the performance of function 'Add project'					
Solution:	This happened when the new project was added to a system that is linked to many files				
TASK-0877-SURE	Received Reported by Type	20-Oct-2017 ANDIMA FEATURE	SOLVED	06-Dec-2017	at 90, 80
New overview of tasks that are transferred to an environment during a period, plus the programs that were compiled because of those task, plus the reason of each compilation (task transfer, integrity, manual), plus the result of each compilation (ok, syntax, abort)					
Solution:	Examples how to create the overview: Select all tasks that are transferred to PROD during the last 7 days: RUN RESPECT/TASK/LIST ("LIST-TYPE=TRANSFERRED-TO ENVIRONMENT=PROD PERIOD-FROM=TODAY - 7")				

Task	Status	Date ready	Release
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Select all tasks that are transferred to PROD in June 2017:
 RUN RESPECT/TASK/LIST
 ("LIST-TYPE=TRANSFERRED-TO ENVIRONMENT=PROD PERIOD-FROM=20170601
 PERIOD-TO = 20170701")

TASK-0878-SURE	Received Reported by Type	23-Oct-2017 SNS IMPROVEMENT	SOLVED	24-Oct-2017	at 90
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Improve performance of function Select File when a wildcard is used

TASK-0879-SURE	Received Reported by Type	24-Oct-2017 ITSforSURE IMPROVEMENT	SOLVED	01-Nov-2017	at 90
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If a partially removed source is reloaded (via CVS) but now with another case, then do a rename + load of the file and link that rename to the task

TASK-0880-SURE	Received Reported by Type Severity Probability	25-Oct-2017 UNISYS ERROR SEVERE CERTAIN	SOLVED	25-Oct-2017	at 90
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When the SURE MSSCCI provider is loaded in Visual Studio, the VS IDE stops updating its properties windows when clicking on items.

Solution: Interface IMessageFilter, used in the MSSCCI provider's OLE interface, is declared deprecated or unsupported, without the compiler reporting this. It looks like VS (at least) 2013 and onwards no longer implements this interface (correctly), which leads to unexpected behavior in VS when this interface is invoked by the SURE MSSCCI code.

Removed invocation of IMessageFilter.

TASK-0881-SURE	Received Reported by Type	26-Oct-2017 LEMANS IMPROVEMENT	SOLVED	01-Nov-2017	at 90
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Function check-out with patch file: Buttons [Define New Task] and [Search task] on extended dialog do not update field 'Change via Patch'

TASK-0882-SURE	Received Reported by Type	26-Oct-2017 LEMANS IMPROVEMENT	SOLVED	27-Oct-2017	at 90
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Block function 'Check out directory' if one or more files in the directory are already checked-out by another user

Task	Status	Date ready	Release
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TASK-0884-SURE	Received Reported by Type Severity Probability	30-Oct-2017 ITSforSURE ERROR MODERATE OFTEN	SOLVED	18-Nov-2017	at 90
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SURE backend on Windows: Function Team => Usercode => Printer output, gives the output of another user, and the output is not sorted in the correct order (newest on top)

TASK-0885-SURE	Received Reported by Type Severity Probability	30-Oct-2017 ITSforSURE ERROR MINOR OFTEN	SOLVED	30-Oct-2017	at 90
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Function Team => Usercode => Status gives a strange error message

TASK-0886-SURE	Received Reported by Type	30-Oct-2017 SNS IMPROVEMENT	SOLVED	30-Oct-2017	at 90
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SURE backend on Windows: function 'Status mix': Compress the content of the user data log when it is displayed via the STATUS command, and do not truncate lines

TASK-0887-SURE	Received Reported by Type	31-Oct-2017 SNS FEATURE	SOLVED	01-Nov-2017	at 90
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SURE backend on Windows: user must be able to download his user-log

Solution: The user log is now visible in subdirectory 'Printer Output' of that user, and from there it can be downloaded

A user can clear his own log via: Right click on his user log folder => Delete

TASK-0889-SURE	Received Reported by Type	31-Oct-2017 SNS IMPROVEMENT	SOLVED	03-Nov-2017	at 90
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SURE backend on Windows: the job-log is sometimes not visible in the Printer Output

Solution: Each started script gets automatically a unique JOB-SESSION number

The job session number is used as follows:

- In the title of the script-log, for example: Session_00000775_SURE_examine.log
- Each line in the SURESERVER.log and usercode.log is marked with the job session number
- The job session number is visible in the lines of the response of the STATUS command

Task	Status			Date ready	Release
<p>- The job session number is visible in the response messages in the message window</p> <p>At the end of a job, the script-log is copied to the Printer Output of the user</p> <p>Folder <user> => Printer Output contains the log files of scripts that ran for that user, plus the output listings of the programs that ran in those scripts.</p> <p>The output listings of a running batch program can be placed in folder Batch Reports of the SURE batch usercode, or in folder Printer Output of the user who started the batch program.</p> <p>The output listings of the programs of the SURE evening batch are placed in folder SURE-server => Batch Reports</p> <ul style="list-style-type: none">- These listings remain on disk for a longer period- Each user can download and view these listings- This are the listings from the SURE evening batch, the load runinfo, the load sel statistics, and load tran info <p>The output listings of programs of other jobs are placed in the Printer Output folder of the user who runs the job</p> <ul style="list-style-type: none">- A user can delete his own listings but not the listings of other users- This is output from RESPECT/PRINT, debug overviews, et cetera					
TASK-0893-SURE	Received Reported by Type	03-Nov-2017 ITSforSURE FEATURE	SOLVED	29-Nov-2017	at 90
SURE backend on Windows: hang during SURE LOG load. Operator intervention is not possible					
Solution: It is now possible to control the SURE Run Environment on the Windows server from the ODT screen of SUREforWindows, and via other functions of Sfw See chapter 5 of document 'SURE backend on Windows - reference guide.docx' for a complete overview of the functionality.					
TASK-0894-SURE	Received Reported by Type	13-Nov-2017 SNS FEATURE	SOLVED	19-Nov-2017	at 90
SURE backend on Windows: make it possible to START a script from the SURE-ODT screen					
TASK-0895-SURE	Received Reported by Type Severity Probability	15-Nov-2017 SNS ERROR MODERATE POSSIBLE	SOLVED	15-Nov-2017	at 90
SURE backend on Windows: batch function LOAD-OPTIONS gives strange error messages about the name of the database					
TASK-0896-SURE	Received	15-Nov-2017	SOLVED	15-Nov-2017	at 90

Task	Status		Date ready	Release
	Reported by Type	SNS FEATURE		
	SURE Backend on Windows: Start the build server via the SURE batch from the Compile Interface			
TASK-0898-SURE	Received Reported by Type Severity Probability	17-Nov-2017 UOFW ERROR MINOR POSSIBLE	SOLVED	17-Nov-2017 at 90, 80
	Some programs give the message "ATTRIBUTE ERROR TITLE INVALID CHARACTER" when a file is opened			
Solution:	<p>This happened in the following cases:</p> <ul style="list-style-type: none"> - When the FIND-identifier on the find screen was empty - If global option 'Save source directory' starts with an '*' or contains lowercase characters 			
TASK-0899-SURE	Received Reported by Type	17-Nov-2017 UOFW FEATURE	SOLVED	17-Nov-2017 at 90, 80
	Make it possible to define for a specific file that it must stay on disk after checked-in			
Solution:	<p>The standard rule is: when a source is checked-in to SURE then it is removed from disk.</p> <p>For some programs, the source must remain on disk after check-in. In that case you can add function 'DONT-REMOVE-SOURCE' to the source (via field 'Function' on the file Properties screen).</p> <p>If all sources must remain on disk after the check-in, then you can set global option 'Save source directory' to 'USERCODE' (on the global options screen).</p> <p>If all sources must remain on disk but in a different directory, then you can set global option 'Save source directory' to that directory-name (on the global options screen). An 'ON <pack>' clause in the directory name is ignored, because the source is CHANGED to the target directory on the current family.</p>			
TASK-0900-SURE	Received Reported by Type	17-Nov-2017 UOFW IMPROVEMENT	SOLVED	17-Nov-2017 at 90, 80
	Make it possible to suppress the emails that are sent by program RESPECT/SURE/TRANSFER			
Solution:	<p>It can now be suppressed permanently via the following relation:</p> <p>Owner = TRANSFERRED Class = EMAIL-REPORTED Asset = NOT Group = OPTION Environment = <global></p> <p>It can be suppressed for a single run via extra run parameter 'NO-EMAILS' to program RESPECT/SURE/TRANSFER</p>			
TASK-0902-SURE	Received	19-Nov-2017	SOLVED	19-Nov-2017 at 90

Task	Status		Date ready	Release
	Reported by Type	ITSforSURE IMPROVEMENT		
	SURE backend on Windows: WINBATCH sends (if possible) an extra message to the Sfw Message Box when the SURE-build-server is started			
TASK-0903-SURE	Received Reported by Type	19-Nov-2017 SNS IMPROVEMENT	SOLVED	19-Nov-2017 at 90
	SURE backend on Windows: WINBATCH must skip the cleaning if the batch is started from Sfw by a developer			
TASK-0904-SURE	Received Reported by Type	19-Nov-2017 ITSforSURE IMPROVEMENT	SOLVED	04-Dec-2017 at 90
	SURE backend on Windows: Make it possible to send a message from a job to the Message Box of the user who started that script from Sfw			
Solution:	Use the following function in the script: SEND_SURE_MESSAGE_BOX("<the message>")			
TASK-0907-SURE	Received Reported by Type	22-Nov-2017 SNS IMPROVEMENT	SOLVED	24-Nov-2017 at 90
	SURE backend on Windows: do not clear the cash of a old user session when a user logs on, because that makes it impossible to start the SURE build servers concurrently on the same workstation with the same user			
Solution:	Old user sessions are now cleared in the GUI after 10 hours of inactivity			
TASK-0911-SURE	Received Reported by Type Severity Probability	04-Dec-2017 SNS ERROR MAJOR POSSIBLE	SOLVED	11-Dec-2017 at 90
	SURE backend on Windows: two jobs get the same job session number			
TASK-0912-SURE	Received Reported by Type	04-Dec-2017 BBL IMPROVEMENT	SOLVED	04-Dec-2017 at 90
	RESPECT/SURE/COMPILE must also be able to check the syntax of a WFL job that has 'BEGIN JOB' written in lower case and an ?AT statement on a separate line			

Task	Status		Date ready	Release
TASK-0913-SURE	Received Reported by Type Severity Probability	05-Dec-2017 SNS ERROR MODERATE POSSIBLE	SOLVED	07-Dec-2017 at 90
<p>Two synchronize errors in the CVS interface:</p> <ol style="list-style-type: none"> 1. "Skipping directory" message for directory with only deleted files in it generates (ignored) messages within Eclipse. 2. "Removing" message should use full path, otherwise Eclipse adds to-remove file entries to the root of the project. 				
TASK-0914-SURE	Received Reported by Type	07-Dec-2017 LEMANS IMPROVEMENT	SOLVED	07-Dec-2017 at 90
Allow to create a subtask under a mastertask with a project that differs from the mastertask				
TASK-0916-SURE	Received Reported by Type Severity Probability	13-Dec-2017 ITSforSURE ERROR MINOR POSSIBLE	SOLVED	13-Dec-2017 at 90
SURE backend on Windows: a display of a batch program is not written in the log if the display contains the strings 'taskstring', 'taskvalue' or 'target'				
TASK-0919-SURE	Received Reported by Type	18-Dec-2017 LEMANS IMPROVEMENT	SOLVED	20-Dec-2017 at 90
Patch files: make it possible to exclude a patch file temporarily for compilations via RESPECT/SURE/COMPILE				
Solution:	See the task explanation form or the task attachment in SURE for detailed information			
TASK-0920-SURE	Received Reported by Type	21-Dec-2017 LEMANS IMPROVEMENT	SOLVED	21-Dec-2017 at 90
Patch files: make it possible to change the order how the patchfiles are temporarily (for compilation) merged into the baseline source				
TASK-0921-SURE	Received Reported by Type	21-Dec-2017 LEMANS IMPROVEMENT	SOLVED	21-Dec-2017 at 90
Patch files: make an option to merge a patch file permanently into the baseline source if the patch is transferred to the				

Task			Status	Date ready	Release
	final environment				
TASK-0922-SURE	Received Reported by Type Severity Probability	21-Dec-2017 SNS ERROR MINOR POSSIBLE	SOLVED	21-Dec-2017	at 90
	Dependent tasks: when a dependent task is deleted from SURE then subfolders 'Controls' and 'Is Dependent of' don't work anymore. After a restart of the SfW everything works good again				
TASK-0926-SURE	Received Reported by Type Severity Probability	28-Dec-2017 ITSforSURE ERROR MINOR RARE	SOLVED	28-Dec-2017	at 90
	The 'compile attributes info' of a file-type is not stored correctly if it is applied via the project-options screen				
TASK-0927-SURE	Received Reported by Type	29-Dec-2017 SNS IMPROVEMENT	SOLVED	29-Dec-2017	at 90
	EXAMINE MF-cobol files: Examine must also recognize a copy-file if the suffix .CPY is not used in the COPY statement				
TASK-0928-SURE	Received Reported by Type	03-Jan-2018 UOFW IMPROVEMENT	SOLVED	07-Jan-2018	at 90, 80
	Support for WIDESYMBOL files: - RESPECT/SURE/LOAD must recognize WIDESYMBOL - RESPECT/SURE/EXAMINE must recognize WIDESYMBOL - RESPECT/SURE/COMPILE gets an integer overflow at a file with filekind WIDESYMBOL				
Solution:	WIDESYMBOL files are handled as follows by RESPECT/SURE/COMPILE: - If the file does not have an OBJECT-USERCOD/PACK then it won't be compiled - If the file has an OBJECT-USERCOD/PACK then: - If a compiler is defined for the file-type of the file then use that compiler - Otherwise: if the file has an alternate compiler then use that compiler - Otherwise (the default): the file is handled similar as a SEQDATA or TEXTDATA file				
TASK-0930-SURE	Received Reported by Type Severity Probability	05-Jan-2018 SNS ERROR MODERATE POSSIBLE	SOLVED	05-Jan-2018	at 90

Task	Status	Date ready	Release
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SURE backend on Windows: function 'Select File': selecting files using a wildcard does not always work

Solution: This happened with filenames in lowercase.

TASK-0933-SURE	Received Reported by Type	08-Jan-2018 ITSforSURE IMPROVEMENT	SOLVED	12-Jan-2018	at 90
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Make it possible to define Compiler Card Input for a project if that project is also known as a file-type

TASK-0934-SURE	Received Reported by Type Severity Probability	15-Jan-2018 BBL ERROR MODERATE POSSIBLE	SOLVED	15-Jan-2018	at 90
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RESPECT/SURE/COMPILE starts a start-job twice when it runs in ALWAYS-mode

Solution: This happened only when RESPECT/SURE/COMPILE was started with option ALWAYS and the source has a DRIVER as well as a START-JOB relation

TASK-0936-SURE	Received Reported by Type	15-Jan-2018 CSI IMPROVEMENT	SOLVED	15-Jan-2018	at 90, 80
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Extra debugging in RESPECT/SURE/COMPILE to analyze the card-info

TASK-0937-SURE	Received Reported by Type	16-Jan-2018 SNS IMPROVEMENT	SOLVED	17-Jan-2018	at 90
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SURE Backend on Windows: Function 'Select File': do not truncate the wildcard on a '.'

TASK-0939-SURE	Received Reported by Type Severity Probability	18-Jan-2018 SNS ERROR MODERATE CERTAIN	SOLVED	18-Jan-2018	at 90
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SURE backend on Windows: Button [Interrupt] on the Query screen or Compile screen hangs the GUI

TASK-0941-SURE	Received Reported by	18-Jan-2018 ITSforSURE	SOLVED	18-Jan-2018	at 90
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Task	Status	Date ready	Release
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Type	ERROR
Severity	MAJOR
Probability	RARE

SURE backend on Windows: A check-out of a large file results sometimes in an External Abort of the FileTransfer and from that moment each action in that GUI-session gets a timeout

Solution: This happened with large files (>500 Kb) and it was caused by a timing issue.

TASK-0942-XX	Received Reported by Type	23-Jan-2018 ITSforSURE FEATURE	SOLVED	30-Jan-2018	at 90
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SURE backend on Windows: make it possible to check and control the status of the backend from a website

Solution: Add project Ris.Website.UserInterface

TASK-0943-SURE	Received Reported by Type	24-Jan-2018 RVA IMPROVEMENT	SOLVED	05-Feb-2018	at 90, 80
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Change the input parameters of program RESPECT/SURE/DUMP: it must be possible to select the files via a query

Solution: Release 80:

RESPECT/SURE/DUMP must be started with two input parameters. If the first input parameter is the word 'QUERY' then the second contains the <query expression>, otherwise it is the old method where the first parameter is the <class> and the second the <asset>

Release 90:

RESPECT/SURE/DUMP must be started with one parameter. The railroad diagram of the input parameter is as follows:

```

----- <selection via query expression> -----|
|-- HELP --| |-- <selection via class-asset> -----|

```

The syntax of <selection via query expression>:

```

-- QUERY SELECT FILE ----- <advanced expression> ---|
|- <wildcard option> -|

```

<Wildcard option> = Optional, the same syntax as field 'Wildcard' on the Query screen, followed by a '|' sign to terminate the wildcard.

<Advanced expression> = the same syntax as in field 'Advanced Expression' on the Query screen

The syntax of <selection via class-asset>:

Task	Status	Date ready	Release
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```
-- CLASS <class> -----|
| - ASSET <asset> -----|
| - <date check> -|
```

TASK-0944-SURE	Received Reported by Type	26-Jan-2018 ITSforSURE IMPROVEMENT	SOLVED	26-Jan-2018	at 90
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Batch function DUMP-FOR-WIKI: give a progress display after each 10% of processed files

TASK-0945-SURE	Received Reported by Type	26-Jan-2018 SNS IMPROVEMENT	SOLVED	26-Jan-2018	at 90
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SURE backend on Windows: in case of a fatal database error: show the SQL error code + text

TASK-0946-SURE	Received Reported by Type Severity Probability	26-Jan-2018 LEMANS ERROR MODERATE POSSIBLE	SOLVED	29-Jan-2018	at 90
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Email functionality: SURE sends emails for an old task each time when another task is transferred to PROD

TASK-0947-SURE	Received Reported by Type Severity Probability	26-Jan-2018 SNS ERROR MAJOR LIKELY	SOLVED	27-Jan-2018	at 90
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SURE backend on Windows: RESPECT/REPOSITORY cannot open the database properly when started from a script

Solution: This was triggered by the new DBAccess layer.
There was an issue in the initialization of RESPECT/REPOSITORY. The previous DBAccess could handle that issue but the new DBAccess is more restricted and gave an open error if the program was started with parameter RUNUSER

TASK-0948-SURE	Received Reported by Type Severity Probability	29-Jan-2018 ITSforSURE ERROR SEVERE POSSIBLE	SOLVED	29-Jan-2018	at 90
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Function 'Get Latest Version' does not work for a directory with PC-files if the directory name has a mixed case

TASK-0950-SURE	Received	30-Jan-2018	SOLVED	30-Jan-2018	at 90
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Task	Status		Date ready	Release
	Reported by Type	ITSforSURE IMPROVEMENT		
	SURE backend on Windows: updated the documentation with a paragraph how to load the messages file and with information how to enable trace files			
TASK-0951-XX	Received Reported by Type	30-Jan-2018 SNS IMPROVEMENT	SOLVED	31-Jan-2018 at 90
	SURE backend on Windows: uniform tracing options for TcpIpManager, LFIXX and FTPXX.			
Solution:	<p>This is implemented via config-file option TRACE=true/false.</p> <p>Option TRACE=TRUE enables trace mode for TcpipManager, LFIXX and FTPXX. The trace files are written in directory WORKFLOW\LOG.</p> <ul style="list-style-type: none"> - Each trace file has a default name unless the corresponding program is started with the '-t <trace-file-name>' parameter - Displays are written in the trace file - The traces file are placed in directory WORKFLOW\LOG <p>If the trace option is disabled then it is also possible to enabled trace mode for an individual program via command line parameter '-t <trace-file name>'. Each executable of the SURE transaction server can be started with extra option '-t <trace-file-name>' to enable tracing for that specific program. This can be used when the program is started in debug-mode via VisualStudio.</p> <ul style="list-style-type: none"> - Displays are written in the trace file - The trace file is placed in directory WORKFLOW\LOG 			
TASK-0953-SURE	Received Reported by Type	31-Jan-2018 ITSforSURE IMPROVEMENT	SOLVED	31-Jan-2018 at 90
	RESPECT/SURE/LOAD: write in the load-overview when an include-file is copied to the work-environment after the load			
TASK-0954-SURE	Received Reported by Type	31-Jan-2018 ITSforSURE IMPROVEMENT	SOLVED	31-Jan-2018 at 90
	SURE backend on Windows: the StartStop job must start the programs in minimized windows			
TASK-0955-SURE	Received Reported by Type Severity Probability	31-Jan-2018 BBL ERROR SEVERE RARE	SOLVED	01-Feb-2018 at 90

Task	Status	Date ready	Release
RESPECT/SURE/EXAMINE does not handle properly the case that a COBOL85 include file is include multiple times, each time with a different COPYBEGIN/END parameter			
Solution:	<p>Examine handles sources with and without an object-location differently. An include file usually does not have an object-location. If an include-file is examined then the dollar settings are ignored by Examine, so that all lines in the include file are examined. The reason why the dollar settings are ignored is because an include-file can be used by programs of different systems, each with different dollar settings. If a COPY or INCLUDE statement is used in the include-file then that referenced copy-file is scanned too, unless the COPY/INCLUDE statement for that copy-file-name + sequence-range + include-parameter was already encountered earlier during the examine-scan, to avoid circular references.</p> <p>Previously a COPY-statement was skipped if the copy-file-name + sequence-range were already encountered earlier during the examine-scan. This last check was not complete: it recognized an optional sequence range, but it did not take in account an optional include-parameter.</p> <p>For example, suppose the following two COPY-statements:</p> <pre>\$ INCLUDE "IRM/RC/LIBS" ("PL_022") \$ INCLUDE "IRM/RC/LIBS" ("PL_024")</pre> <p>The first time IRM/RC/LIBS was examined, but the second time it was skipped, even though a different include-parameter is used.</p> <p>The solution is that the include-parameter is now also used in the check on double reference of the copy-file-name + sequence-range + include-parameter</p>		
TASK-0956-SURE	Received Reported by Type Severity Probability	02-Feb-2018 SNS ERROR MAJOR OFTEN	SOLVED 02-Feb-2018 at 90
SURE backend on Windows: LFIXX crashes sometimes on function 'store global memory in DTMP'			
Solution:	This was caused by a memory leak. This memory leak was introduced with the changes for the new row locking mechanism (TASK-0931-SURE).		
TASK-0957-XX	Received Reported by Type	02-Feb-2018 ITSforSURE IMPROVEMENT	SOLVED 12-Feb-2018 at 90
SURE backend on Windows: Improve stability of TcplpManager in case of configuration errors.			
TASK-0959-SURE	Received Reported by Type	09-Feb-2018 ITSforSURE IMPROVEMENT	SOLVED 24-Oct-2018 at 90
<p>Upgrade the documentation of the AW_OBJ.INI file</p> <ul style="list-style-type: none"> - TASK-0711: the batch download function - TASK-0783: the name of the file with build results 			
TASK-0961-SURE	Received Reported by	09-Feb-2018 UOFW	SOLVED 10-Feb-2018 at 90, 80

Task	Status		Date ready	Release
	Type	FEATURE		
	Implement support for Unisys NEWPSYMBOL files			
TASK-0963-SURE	Received Reported by Type Severity Probability	11-Feb-2018 SNS ERROR MODERATE RARE	SOLVED	11-Feb-2018 at 90
	SURE backend on Windows: Examine does not scan all RUN statements in a Perl script			
Solution:	This was caused by TAB characters in the Perl script			
TASK-0964-SURE	Received Reported by Type	11-Feb-2018 ITSforSURE IMPROVEMENT	SOLVED	12-Feb-2018 at 90
	Examine does not handle the include statement in C++ source correctly if the include name starts with '..\'			
TASK-0965-SURE	Received Reported by Type	12-Feb-2018 ITSforSURE IMPROVEMENT	SOLVED	12-Feb-2018 at 90
	SURE backend on Windows: function ODT-monitor: allow to use character '.' in a program-parameter			
TASK-0968-SURE	Received Reported by Type	13-Feb-2018 ITSforSURE IMPROVEMENT	SOLVED	16-Feb-2018 at 90
	SURE backend on Windows: eliminate the last REAL variables, REAL arrays and REAL functions from the sources			
Solution:	This is preparation for the future change from 'Ceres 48 bits integers' to regular int64 variables			
TASK-0969-SURE	Received Reported by Type	13-Feb-2018 BBL IMPROVEMENT	SOLVED	13-Feb-2018 at 90
	Program RIS/MENU must send a proper message to the user if the program runs under a COMS window and it aborts with a database error			
TASK-0970-SURE	Received Reported by Type	15-Feb-2018 ORDINA FEATURE	SOLVED	28-Feb-2018 at 90

Task	Status	Date ready	Release
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SURE backend on Windows: make program RESPECT/MAKE/HTML available on the Windows platform

TASK-0971-SURE	Received Reported by Type Severity Probability	16-Feb-2018 SNS ERROR SEVERE CERTAIN	SOLVED	16-Feb-2018	at 90
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SURE backend on Windows: when a source is transferred to the next environment then the delta file with changes is empty in that destination environment

TASK-0972-SURE	Received Reported by Type	16-Feb-2018 ITSforSURE IMPROVEMENT	SOLVED	16-Feb-2018	at 90
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Task overview: show the task reference number on the task list with selected tasks from the browser

TASK-0977-XX	Received Reported by Type	22-Feb-2018 ITSforSURE IMPROVEMENT	SOLVED	09-Mar-2018	at 90
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SURE backend on Windows: prepare CERES library for conversion to DLL by de-templating and elimination of unused code.

Solution: This is only preparation for the future change from 'Ceres 48 bits integers' to regular int64 variables.

In this step we removed unused parts from the CERES library so that we don't have to focus on this anymore in the future. Deleting something from the software is only possible when it is not used so the impact is low.

The following is changed:

- Routines in CERES\Routines.cpp were templated without type restriction. These routines were changed to accept Integer parameters only, as they are only used on Integers or types that can be cast to Integer.
- Class Array<> was templated without type restriction. Changed to only accept <Char>, <Boolean>, <Integer> and <std:string>, as these are the only possible types in ALGOL code converted to C++.
- Removed support for Array<Array<...>> as it was not being used.
- Moved all implementation from .h to .cpp files, to restrict code points to single instances.
- Cleaned up code, removing mainly constructors and operators that were not being used in any program.
- Forced generation of default implicit copy constructor and copy assignment operator for types Boolean and Integer, and removed empty destructors, to eliminate calls on parameter passing and local declarations.
- Changed CERES project from static library to DLL, so it can be maintained separately from the programs using it.

Task			Status	Date ready	Release
TASK-0978-SURE	Received Reported by Type	28-Feb-2018 ITSforSURE IMPROVEMENT	SOLVED	28-Feb-2018	at 90
When a new repository is created via batch function INITIALIZE-REPOSITORY: create also a default system, default filekinds, default file-types and default task-types, so that you can start immediately with defining tasks and loading files					
TASK-0980-SURE	Received Reported by Type	02-Mar-2018 SNS IMPROVEMENT	SOLVED	09-Mar-2018	at 90
SURE backend on Windows: do not allow an empty password at log-on					
Solution:	A new user is created without a password, and function '<user>:Reset Password' deletes the password of an existing user.				
A password is required when a user logs on, and that password is compared with the saved password. If the user does not have a password then he must choose one, and then he gets an extra verification message that this will be his password in the future.					
TASK-0983-SURE	Received Reported by Type	06-Mar-2018 SNS IMPROVEMENT	SOLVED	06-Mar-2018	at 90
Do not show a renamed file in the wrong environment in the file-tree. For example: if file AAA is renamed as PROG/AAA without using option 'rename in all environments' then AAA remained visible in the root directory. This is now solved					
TASK-0987-XX	Received Reported by Type Severity Probability	12-Mar-2018 SNS ERROR SEVERE POSSIBLE	SOLVED	13-Mar-2018	at 90
SURE backend on Windows: Crash of LOADSTOR					
Solution:	The crash was caused by an old LOADSTOR which was not compatible with the new version of DBaccess.				
Also: add a log file to record the status of the loading process and commit after each file.					
TASK-0989-XX	Received Reported by Type Severity Probability	13-Mar-2018 SNS ERROR SEVERE POSSIBLE	SOLVED	13-Mar-2018	at 90
SURE backend on Windows: the authorization bits are shifted when updated					

Task			Status	Date ready	Release
Solution:	TcplpManager used encoding ASCII which does not work properly for bytes with high bit on. Revert to byte-by-byte copy.				
TASK-0994-XX	Received	15-Mar-2018	SOLVED	25-Mar-2018	at 90
	Reported by	SNS			
	Type	ERROR			
	Severity	SEVERE			
	Probability	CERTAIN			
SURE backend on Windows: LOADSTOR should use STOR-SIZE from STOR-INDEX=0 record as file size instead of the actual size of the file in the dump directory.					
TASK-0996-SURE	Received	16-Mar-2018	SOLVED	20-Mar-2018	at 90, 70, 80
	Reported by	ORDINA			
	Type	ERROR			
	Severity	SEVERE			
	Probability	RARE			
RESPECT/SURE/FIND crashes on scanning a MicroFocus Cobol PC-file when using a search token that contains the 'FOR xx LINES' option					
TASK-0998-SURE	Received	16-Mar-2018	SOLVED	20-Mar-2018	at 90
	Reported by	SNS			
	Type	IMPROVEMENT			
SURE backend on Windows: make a batch function to verify the 'longest line' setting of each PC-file					
Solution:	This is implemented via batch function RUN RESPECT/REPOSITORY("CHECK-LONGEST"). This batch function must run on the Windows platform.				
The program gives a display for each file where the longest-line in the ORIGIN(PC) relation is too short because of an old bug. The inconsistency can be fixed via check-out/check-in or by updating the value in the relation					
TASK-0999-RIS	Received	20-Mar-2018	SOLVED	20-Mar-2018	at 90, 80
	Reported by	UOFW			
	Type	IMPROVEMENT			
Change the library access to SYSTEM/COMS from BYTITLE to BYFUNCTION					
TASK-1002-SURE	Received	27-Mar-2018	SOLVED	27-Mar-2018	at 90
	Reported by	SNS			
	Type	IMPROVEMENT			
SURE backend on Windows: improve error messages at log on					

Task			Status	Date ready	Release
TASK-1003-SURE	Received Reported by Type Severity Probability	27-Mar-2018 SNS ERROR MODERATE POSSIBLE	SOLVED	27-Mar-2018	at 90
SURE backend on Windows: EXAMINE does not always find the correct the data files that are used by a MF-COBOL program					
Solution:		This could happen after an include statement			
TASK-1004-SURE	Received Reported by Type	27-Mar-2018 ITSforSURE IMPROVEMENT	SOLVED	27-Mar-2018	at 90
SURE backend on Windows: RIS/DUMP/INFDB must give a display when a pipe character is used in an item-name, fil-title, user-name, msg-text, msg-key, fmt-title, nam-data					
TASK-1007-SURE	Received Reported by Type Severity Probability	28-Mar-2018 UOFW ERROR MODERATE POSSIBLE	SOLVED	24-May-2018	at 90, 80
RESPECT/SURE/COMPILE does not load the error file of a WFL-syntax-check in SURE if MCP option 32 is enabled					
TASK-1008-DEMO	Received Reported by Type	28-Mar-2018 ORDINA FEATURE	SOLVED	06-Apr-2018	at 90
Support a procedure how a DOCX file (or DOC file) loaded in SURE is built as a PDF file by the SURE build server.					
Solution:		See the task explanation form or the task attachment in SURE for detailed information			
TASK-1009-SURE	Received Reported by Type Severity Probability	28-Mar-2018 ITSforSURE ERROR MAJOR RARE	SOLVED	29-Mar-2018	at 90
Invalid index in program RESPECT/TASK/LIST, caused by an invalid date					
TASK-1011-SURE	Received Reported by Type Severity Probability	06-Apr-2018 SNS ERROR MINOR RARE	SOLVED	07-Apr-2018	at 90

Task	Status	Date ready	Release
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MCP Disk node browse shows an invalid 'More...' node when the number of subdirectories is exactly 126 and there are no files in the directory and option 'Show maximum' was not enabled. These browses should always show a complete browse sequence.

TASK-1012-XX	Received Reported by Type	09-Apr-2018 SNS IMPROVEMENT	SOLVED	14-Apr-2018	at 90
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SURE backend on Windows: the first log-on to the Windows backend gives a message that the local-repository must be replaced. But the message gives the following name of the central repository: (TEST901)INFDB ON IDRD2. This must be the name of the ODBC connection

Solution: The name of the central repository is now obtained from the config file option: INFDB-TITLE=<central repository name>

You can use any value for INFDB-TITLE, for example 'SAS repository' or 'TEST repository'

When you change the value of INFDB-TITLE in the config file then all users get a message to replace the local repository at the next log-on.

TASK-1013-SURE	Received Reported by Type	10-Apr-2018 SNS IMPROVEMENT	SOLVED	14-Apr-2018	at 90
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Do not allow to log on with a usercode that is marked as 'Windows Account' if that usercode is not equal to the Windows Network Account

Solution: If a usercode is NOT marked in SURE as 'Windows Account':

- A password is required to log on to SURE
- If the user wants to log on but no password is set for the usercode (the first time) then he gets a message that he must choose a password

If a usercode is marked in SURE as 'Windows Account':

- In this case the user can only log on to SURE if this Windows Domain Account is the same as his SURE usercode
- This is 'Single Sign On' functionality, so no password is required to log on to SURE
- But if the user enters a password on the log on screen then that password must be correct

TASK-1015-SURE	Received Reported by Type	11-Apr-2018 SNS IMPROVEMENT	SOLVED	14-Apr-2018	at 90
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SURE backend on Windows: make extra checks to prevent that the SURE evening batch runs multiple times simultaneously

Solution: PART-1:

Program RESPECT_SURE_WINBATCH opens the following file exclusively:

```
<data directory>\<pack name>\INFDB\INFDB\EXCLUSIVE\RUN\<environment>
```

Task	Status	Date ready	Release
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So, if RESPECT_SURE_WINBATCH is started two times for the same environment then the second one with wait until the first one is completed.

PART-2:

Program RESPECT_SURE_WINBATCH generated a job that handles the generations. WINBATCH waits until the started job is completed before it goes to end-of task. This is done as follows:

- The last action of the generated job is to create file SYNC_WINBATCH_<timestamp_in_seconds>
- RESPECT_SURE_WINBATCH starts the job and waits until the sync file is resident.
- The last action of WINBATCH is to remove the sync file.

Conclusion:

The complete solution is the combination of PART-1 and PART-2

Test tip

- Put some BATCH-LFI's in the generate queue
- Start the batch 2 times
- Verify in the SURESERVER.log that the second WINBATCH was waiting on the first one to be completed before it continues

TASK-1016-SURE	Received Reported by Type	12-Apr-2018 ITSforSURE IMPROVEMENT	SOLVED	14-Apr-2018	at 90
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SURE backend on Windows: show the status of the started scripts on the Control Website

Solution: The global job-parameters are written in the BUSY file, so that the Control Website can use these parameters to show the correct status of each job.

Test tip:

- Open the BUSY file while a script is active. The name of the busy file is WORKFLOW\BUSY\Session_nnnnnn.busy
- The global job parameters are copied in the busy file

TASK-1017-SURE	Received Reported by Type	12-Apr-2018 ITSforSURE IMPROVEMENT	SOLVED	14-Apr-2018	at 90
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SURE backend on Windows: A program or script can wait for ACCEPT-input. This input is passed to the program or script via 'wait' and 'response' files.

A possible problem is that names of the wait and response files of a waiting program can overlap with the names of the wait and response files of a waiting script when the session number of the script is the same as the PID of the program.

Task	Status	Date ready	Release
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Solution:

The name of the wait and response files of a waiting job remain unchanged:

- Session_nnnnnn.wait
- Session_nnnnnn.response

(nnnnnn is the job-session number)

The name of the wait and response files of a waiting program are changed to:

- Process_nnnnnn.wait
- Process_nnnnnn.response

(nnnnnn is the PID of the program)

Test tip:

- From the ODT screen: RUN RESPECT/TEST1("ACCEPT")
- Check the file names in directory WORKFLOW\BUSY

TASK-1018-SURE	Received Reported by Type Severity Probability	12-Apr-2018 ITSforSURE ERROR SEVERE RARE	SOLVED	14-Apr-2018	at 90
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SURE backend on Windows: A job hangs if a program in that job crashes while that program was waiting for an AX

Solution:

Test tip:

- From the ODT screen: RUN RESPECT/TEST1("ACCEPT");
- When the program is waiting: kill the program via Windows Task Manager
- The job must continue

TASK-1020-SURE	Received Reported by Type	15-Apr-2018 ITSforSURE IMPROVEMENT	SOLVED	20-Oct-2018	at 90
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SURE backend on Windows: Write documentation about the SUREServer Control Website

TASK-1021-SURE	Received Reported by Type	18-Apr-2018 SNS IMPROVEMENT	SOLVED	18-Apr-2018	at 90
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SURE backend on Windows: if program RESPECT/SURE/WINBATCH has to wait for another concurrent run of WINBATCH, then he must send a message to the user who started the program

TASK-1022-XX	Received Reported by Type	18-Apr-2018 ITSforSURE IMPROVEMENT	SOLVED	09-May-2018	at 90
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SURE backend on Windows: bring SURESERVER control website up to date with scheduler/ODT functionality.

Task	Status		Date ready	Release
TASK-1023-SURE	Received Reported by Type	18-Apr-2018 ITSforSURE IMPROVEMENT	SOLVED	18-Apr-2018 at 90
SURE backend on Windows: program RESPECT/SURE/WINBATCH must wait until the Background Impact Check is completed before it continues with the generation phase to avoid double generations.				
Solution:	There is now a maximum wait of 1 minute. That should be enough. If the impact check takes longer then additional generations that are added to the queue afterwards are picked up during the continuation run of WINBATCH.			
TASK-1025-RIS	Received Reported by Type	09-May-2018 ITSforSURE IMPROVEMENT	SOLVED	01-Jun-2018 at 90
Review the help information that is accessed via the Help buttons on the screens				
TASK-1026-XX	Received Reported by Type	10-May-2018 SNS IMPROVEMENT	SOLVED	11-May-2018 at 90
SURE backend on Windows: The message feed from batch programs to Sfw-sessions does not work anymore after the TcpIpManager is stopped and restarted				
Solution:	TcpIpManager restores now the SURE session numbers to reopened sessions.			
TASK-1028-SURE	Received Reported by Type	15-May-2018 SNS IMPROVEMENT	SOLVED	15-May-2018 at 90
SURE backend on Windows: remove files that are not linked to a build server from the TO-BUILD queue				
Solution:	Generator input files are not linked to a build server. The SURE-batch removes these files from the build-queue, but previously this was only done if the SURE-batch was not started from a GUI-session. The SURE-batch removes these files now always from the build-queue.			
TASK-1029-SURE	Received Reported by Type Severity Probability	17-May-2018 RVA ERROR SEVERE RARE	SOLVED	18-May-2018 at 90
SURE backend on Windows: issues with creating an initialized repository (batch function INITIALIZE-REPOSITORY)				
Solution:	The procedure to initialize a new repository is now as follows: 1. Create a new repository: - Open SQL-server Management Studio			

Task	Status	Date ready	Release
<ul style="list-style-type: none"> - Create a new database - Execute the content of SQL-script Create_Infdb.sql to define the database tables <p>2. Initialize the repository:</p> <ul style="list-style-type: none"> - Open a command prompt in de SURESERVER\..\SCRIPT directory - Start WFS-script Initialize_Repository from the Command Prompt 			
TASK-1030-SURE	Received Reported by Type	17-May-2018 RVA IMPROVEMENT	SOLVED 18-May-2018 at 90
<p>SURE backend on Windows: deliver the messages file together with the SERVER software and load the content of the messages file automatically via the install procedure</p> <p>Solution: The install job copies the messages file to the DATA-directory as DATA\SUREPK\SURE\MESSAGES_E, and generates a start-file in the START-directory to load the messages file in the repository</p>			
TASK-1031-SURE	Received Reported by Type	28-May-2018 SNS IMPROVEMENT	SOLVED 28-May-2018 at 90
<p>SURE backend on Windows: A usercode that is defined as 'Windows Account' must be handled the same as a regular usercode: a 'usercode-folder' must appear on the server</p>			
TASK-1033-SURE	Received Reported by Type	29-May-2018 SNS IMPROVEMENT	SOLVED 29-May-2018 at 90
<p>SURE backend on Windows: the IMPACT and OBJLOC overview should be closed at a date-change</p>			
TASK-1035-SURE	Received Reported by Type	30-May-2018 CEDAE FEATURE	SOLVED 12-Jun-2018 at 90
<p>Create a new batch function to select and print SURE-log entries</p> <p>Solution: Create the log report as follows:</p> <pre>RUN RESPECT/PRINT("PRINT-LOG <selection parameters>")</pre> <p><selection parameters>:</p> <ul style="list-style-type: none"> - FROM <date> [AT <time>] - TO <date> [AT <time>] - USER <usercode> - TASK <task-name> - OWNER <owner-name> <p>It is possible to use multiple selection parameters The 'AT <time>' clause is optional (after FROM <date> or TO<date>) The format for <date> is YYYYMMDD</p>			

Task	Status	Date ready	Release
<p>The format for <time> is HH or HH:MM or HH:MM:SS <owner-name> can be a file name or the name of a RIS-module</p> <p>All SURE log records that meet the selection parameters are selected and printed. If no selection parameter is entered then all SURE-log records are printed.</p> <p>-----</p> <p>Example RUN RESPECT/PRINT("PRINT-LOG FROM 20180501 AT 12:00 TO 20180501 AT 12:10")</p> <p>-----</p> <p>Warning</p> <p>Notice the setting of the log cleaning parameters on the Global Options screen, tab History:</p> <ul style="list-style-type: none"> - Option 'Remove log information after <nr> days' works in combination with options 'Minimum log entries' and 'Maximum log entries'. - Option 'Minimum <nr> log entries' instructs the cleaner to keep at least a number of log entries of a specific file, also when these entries are expired. - Option 'Maximum <nr> log entries' instructs the cleaner to limit the number of log entries of a specific until the maximum. The oldest log entries are deleted until the maximum number is reached, also if these oldest log entries are not yet expired. <p>So, the combined setting of the log cleaning parameters can cause that some log records of a specific period are deleted by the log cleaning process while other log records of the same period are not deleted which may lead to incomplete results on the log report.</p>			
TASK-1036-SURE	Received Reported by Type	31-May-2018 ITSforSURE IMPROVEMENT	SOLVED 05-Jun-2018 at 90
<p>SURE backend on Windows: If a batch program is started without the environment parameter then it must use the environment that is connected to the usercode that runs the program. And the program must also initialize the correct page length that is linked to the users' printer.</p>			
TASK-1037-SURE	Received Reported by Type Severity Probability	03-Jun-2018 BBL ERROR MAJOR RARE	SOLVED 03-Jun-2018 at 90
<p>RESPECT/SURE/FIND: a find-request on tasks that is scheduled for the evening batch is not executed, and that may cause a loop if another find-request is scheduled for the evening batch</p>			
Solution:	The possibility of the loop is eliminated and find-requests on tasks are now properly executed		
TASK-1038-SURE	Received Reported by Type	04-Jun-2018 ITSforSURE IMPROVEMENT	SOLVED 04-Jun-2018 at 90
<p>SURE backend on Windows: the following keys in the configuration file are deimplemented and can be removed from</p>			

Task	Status			Date ready	Release
the config-file: - INFDB-LOCATION - DEFAULT-USERCODE - DEFAULT-FAMILY					
TASK-1040-RIS	Received Reported by Type Severity Probability	07-Jun-2018 SNS ERROR MODERATE RARE	SOLVED	14-Jun-2018	at 90
SURE backend on Windows: there are 8 active LFIXX processes: 7 of them use about 65 Mb memory, but one uses much more memory.					
Solution: We improved the memory management as follows: 1. Add a line to the LFIXX log if a transaction caused the process's memory usage to rise significantly. This can be used to track future memory issues. 2. Fix a memory leak in a sort routine 3. Enforce that some arrays are downsized after each transaction.					
TASK-1042-SURE	Received Reported by Type Severity Probability	13-Jun-2018 SNS ERROR MAJOR POSSIBLE	SOLVED	13-Jun-2018	at 90
SURE backend on Windows: the content of a large delta file is not shown correctly					
TASK-1043-SURE	Received Reported by Type	13-Jun-2018 ITSforSURE IMPROVEMENT	SOLVED	14-Jun-2018	at 90
SURE backend on Windows: copy document about the Run Environment to the Release directory					
TASK-1044-SURE	Received Reported by Type	13-Jun-2018 ITSforSURE IMPROVEMENT	SOLVED	13-Jun-2018	at 90
SURE backend on Windows: improve the response time of all browse functions					
Solution: The improvement is more significant when the browse response is larger					
TASK-1045-RIS	Received Reported by Type	14-Jun-2018 SNS IMPROVEMENT	SOLVED	14-Jun-2018	at 90
SURE backend on Windows: make LFIXX.log and FTPXX.log and Scheduler.log appending.					

Task			Status	Date ready	Release
TASK-1046-SURE	Received Reported by Type	14-Jun-2018 ITSforSURE IMPROVEMENT	SOLVED	14-Jun-2018	at 90
Improve the speed of batch function RUN RESPECT/PRINT("PRINT-LOG <options>")					
TASK-1047-SURE	Received Reported by Type	14-Jun-2018 ITSforSURE IMPROVEMENT	SOLVED	14-Jun-2018	at 90
Function 'Right click => Relations': give an error message if a user tries to view relations with a response result of more than 20000 rows, because the response time will be long and there is no way to interrupt this action.					
Solution:	The error message gives an alternative way (via a batch program) to show large numbers of relations				
TASK-1048-SURE	Received Reported by Type Severity Probability	15-Jun-2018 CEDAE ERROR MAJOR RARE	SOLVED	15-Jun-2018	at 90
A data file is loaded in SURE as a non-crunched file, but RESPECT/SURE/COMPILE places the file on disk as a crunched file. This causes a problem with SDF					
Solution:	This happened when a compile-translate-table was defined for the environment or for the system or project of the file				
TASK-1050-SURE	Received Reported by Type Severity Probability	18-Jun-2018 SNS ERROR MINOR RARE	SOLVED	20-Jun-2018	at 90
It happens sometimes that the current task line appears twice (with the same task name) in the SURE browser, or that the folder 'MCP files' gets the current task icon					
Solution:	A user can have a current task on each environment. The current task of an environment is shown at the top line of that environment.				
When a user adds a new task then that newly added task is placed at the second line of the environment. This is handy for the user.					
The task on the second line disappears when the environment is refreshed or when that task becomes the current task (on the first line).					
TASK-1052-SURE	Received Reported by Type	19-Jun-2018 ITSforSURE ERROR	SOLVED	20-Jun-2018	at 90

Task	Status		Date ready	Release
	Severity Probability	MINOR POSSIBLE		
	<p>If a Local Compile is started for another environment, then sometimes the DEVELOP environment is used. It is not possible to start a Local generation of a RIS-module for another environment.</p>			
Solution:	<p>Added parameter /E<environment> to AS_COMP. This parameter will be passed back to SURE and used for the subsequent compile / generate process.</p>			
TASK-1053-RIS	Received Reported by Type	20-Jun-2018 ITSforSURE IMPROVEMENT	SOLVED	20-Jun-2018 at 90
	<p>If a generated source is modified manually, then change the status from GENERATED to <environment>.</p>			
Solution:	<p>The following happens now at check-out/check-in: - At check-out: if the status of the file is GENERATED then give a verification message that the status will be changed at check-in. - At check-in: if the status of the file is GENERATED then change the status to <environment></p> <p>The status of the file remains unchanged on the other environments,</p> <p>A file with status GENERATED in the 'transfer-from environment' cannot be transferred, but in this case the status of the changed file is not GENERATED anymore so now it is possible to transfer the file to the next environments.</p> <p>If the file is generated again, then the status of the generated source is changed back to GENERATED</p>			
TASK-1054-RIS	Received Reported by Type	20-Jun-2018 ITSforSURE IMPROVEMENT	SOLVED	20-Jun-2018 at 90
	<p>Function Transfer Task: give a warning if a linked source has status GENERATED in the source environment or in the destination environment</p>			
Solution:	<p>If the file has status GENERATED in the source environment, then the warning is that file will not be transferred. If the file has status GENERATED in the target environment, then the warning is that file will be transferred and the status updated</p>			
TASK-1055-SURE	Received Reported by Type	21-Jun-2018 BBL FEATURE	SOLVED	23-Jul-2018 at 90
	<p>Support for SECURITYMODE sub-attribute SETUSERCODE</p>			
Solution:	<p>The procedure is as follows:</p> <p>Via SUREforWindows:</p> <ul style="list-style-type: none"> - Open the Properties screen of the program => tab 'Object' - Click on the button of field 'Mark program (MP) options' - Add the word 'SETUSERCODE' to the screen and press [Apply] 			

Task			Status	Date ready	Release
<p>Via RIS/MENU:</p> <ul style="list-style-type: none">- Open the SURE screen, and do command EXT <program-name>- Add the word 'SETUSERCODE' in field 'Mark Program'- Do command UPD to update the field <p>This command adds the following relation to the program:</p> <p>DCKEYIN MP +SETUSERCODE</p> <p>Programs RESPECT/SURE/COMPILE, /TRANSFER and RIS/COMPLETE/OBJECT use this relation to change file attribute SECURITYMODE:SETUSERCODE to true</p>					
TASK-1059-XX	Received	03-Jul-2018	SOLVED	06-Jul-2018	at 90
	Reported by	ORDINA			
	Type	ERROR			
	Severity	SEVERE			
	Probability	POSSIBLE			
<p>SURE backend on Windows: the SURESERVER control website cannot handle processes for concurrently running servers with different name lengths.</p>					
TASK-1061-SURE	Received	03-Jul-2018	SOLVED	05-Jul-2018	at 90
	Reported by	SNS			
	Type	ERROR			
	Severity	SEVERE			
	Probability	POSSIBLE			
<p>The new delta files of a changed PC-source are not always copied to the next environment when the PC-source is transferred to that environment</p>					
Solution:	<p>This happened if the sequence with changed delta-files did not fit exactly between the FileVersion of the source on the environment-to and the FileVersion of the source on the environment-from. This could happen if some expired delta files were already deleted.</p> <p>The new method is: all available delta files between the FileVersion on the environment-to and the FileVersion on the environment-from are now copied.</p>				
TASK-1062-SURE	Received	05-Jul-2018	SOLVED	05-Jul-2018	at 90
	Reported by	ITSforSURE			
	Type	IMPROVEMENT			
<p>If an MCP source is resequenced then a 'resequence-date-file' is created. When the task with the resequenced source is transferred then the resequence-delta-file is now also copied to the destination environment.</p>					
TASK-1063-SURE	Received	05-Jul-2018	SOLVED	05-Jul-2018	at 90
	Reported by	SNS			
	Type	IMPROVEMENT			
<p>If a PC-file is quick fixed then a delta file is created in the quick-fix environment. But when the quick fix is not reprocessed (but closed) then the 'quick fix delta file' is removed when a newer version of the source is promoted to the quick fix environment. This makes it impossible to determine if the fix was ever applied to the source or not.</p>					

Task			Status	Date ready	Release
Solution:	A 'quick fix delta file' is not removed anymore when a newer version of the source is promoted to the quick-fix environment				
TASK-1064-SURE	Received Reported by Type Severity Probability	06-Jul-2018 CEDAE ERROR SEVERE POSSIBLE	SOLVED	06-Jul-2018	at 90
Program RESPECT/TASK/LIST crashes when the program is started with parameter LIST-TYPE=SOLVED					
TASK-1065-SURE	Received Reported by Type	28-Jun-2018 UOFW IMPROVEMENT	SOLVED	06-Jul-2018	at 90, 80
Program RESPECT/TASK/LIST: eliminate the MCP warning that the program contains a nested SORT					
TASK-1066-SURE	Received Reported by Type	09-Jul-2018 ITSforSURE FEATURE	SOLVED	22-Jul-2018	at 90
Make batch function to check and repair the delta files of PC-files in the higher environments					
Solution:	For PC files that are not generated, the CHECK_DELTA_FILES batch function checks the delta files of each file in the first (develop) environment and compares them to the other environments. After filtering out any delta files that exceed the pre-set archived delta file date and the current file version in each environment, the missing delta files are copied from the first environment to the target environment.				
You can run the batch function as follows:					
RUN RESPECT/REPOSITORY("CHECK-DELTA-FILES")					
Additionally, if this batch function is done for an individual file, all missing delta files will be displayed as well as repaired. The batch function then works as follows:					
RUN RESPECT/REPOSITORY("CHECK-DELTA-FILES FILE <file name>")					
TASK-1067-SURE	Received Reported by Type	09-Jul-2018 ORDINA IMPROVEMENT	SOLVED	10-Jul-2018	at 90
Ignore value of option "MDI for Format" if MDI window is not enabled.					
TASK-1068-SURE	Received Reported by Type	10-Jul-2018 SNS IMPROVEMENT	SOLVED	21-Jul-2018	at 90

Task	Status	Date ready	Release
Small changes in the handling of the current / new task node under the environment node.			
Solution:	A user can have a current task on each environment. The current task of an environment is shown at the top line of that environment.		
	When a user adds a new task then that newly added task is placed at the second line of the environment. This is handy for the user.		
	The task on the second line disappears when the environment is refreshed or when that task becomes the current task (on the first line).		
	If the current task is changed to 'not current' via function right click => 'not current' then that task remains on the top line of the environment until the entire environment is refreshed via F5.		
TASK-1070-SURE	Received Reported by Type	13-Jul-2018 ITSforSURE IMPROVEMENT	SOLVED 22-Jul-2018 at 90
SURE backend on Windows: improve the cleaning function of expired delta files and old file versions			
TASK-1072-SURE	Received Reported by Type	17-Jul-2018 ITSforSURE IMPROVEMENT	SOLVED 18-Jul-2018 at 90
Extra default settings in ini file AW_OBJ.INI at installation			
Solution:	The following options, which can also be accessed through OPTIONS -> LOCAL OPTIONS, are now given a default value by the installer:		
	<ul style="list-style-type: none"> - Date Long Format - Date Short Format - Time Format - Trace File Name - Message Auto Open 		
TASK-1073-SURE	Received Reported by Type Severity Probability	17-Jul-2018 ITSforSURE ERROR MINOR RARE	SOLVED 21-Jul-2018 at 90
Function right click => RUN <program> on MCP: a long program run parameter that was entered on the screen causes a crash of the MCP backend.			
TASK-1074-SURE	Received Reported by Type	18-Jul-2018 ITSforSURE IMPROVEMENT	SOLVED 31-Jul-2018 at 90
SURE backend on Windows: implement new ODT functions			

Task	Status	Date ready	Release
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Solution: The following new ODT functions are implemented

- MSG
- MSG USER <usercode>
- LOG JOB <jobnr>
- LOG MSG
- LOG FROM <date>
- LOG TO <date>
- LOG FROM <date> TO <date>
- LOG FROM <date> AT <time>
- LOG FROM <time>
- LOG TO <date> AT <time>
- LOG FROM <date> AT <time> TO <date> AT <time>

About the LOG function:

- Combinations with other LOG options are possible
- The complete LOG command is now:
LOG <date-time-filter> USER <uscd> BOJ BOT MSG EOJ EOT ABORT C

TASK-1075-RIS	Received Reported by Type	18-Jul-2018 ITSforSURE IMPROVEMENT	SOLVED	22-Jul-2018	at 90
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SURE backend on Windows: reduce memory fragmentation in long running processes such as LFIXX

TASK-1077-SURE	Received Reported by Type Severity Probability	22-Jul-2018 SNS ERROR MODERATE RARE	SOLVED	22-Jul-2018	at 90
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Function 'Delete from Archive': A file is deleted from the Archive, but then it is not possible to add the same file name again. We get the message that the file already exists

TASK-1079-SURE	Received Reported by Type	24-Jul-2018 ITSforSURE IMPROVEMENT	SOLVED	25-Jul-2018	at 90
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Improve the performance of some functions when many files are linked to a task

- function: deny a task
- function: show task properties
- function: right click on a task name
- function: delete a task

TASK-1080-SURE	Received Reported by Type	25-Jul-2018 ITSforSURE FEATURE	SOLVED	25-Oct-2018	at 90
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Make batch functions more visible and available for all users

Task	Status	Date ready	Release
<p>Solution: The list with available batch function is now visible via Tools => Server Environment => Batch functions</p> <p>Batch functions are marked with a role, a platform, and a system. These attributes are used to customize the list with batch functions to the users profile:</p> <ul style="list-style-type: none"> - Batch functions that are marked with role SECURITY are only visible for secadmin users and users with authorization 'Security' - Batch functions that are marked with role SUPPORT are only visible for users with authorization 'SURE maintenance' - Batch functions that are marked with role DELIVERY are only visible for users with authorization 'SURE maintenance' or 'Delivery' - Batch functions that are marked with role ARCHIVE are only visible for users with authorization 'SURE maintenance' or 'Archive' - Batch functions that are marked with role RELATE are only visible for users with authorization 'SURE maintenance' or 'Relate' - Batch functions that are not marked with a role are visible for all users. These are print functions. - Batch functions that are marked with platform WINDOWS are hidden on the MCP backend - Batch functions that are marked with platform MCP are hidden on the WINDOWS backend - Batch functions that are marked with system RIS2 are hidden for sites that don't use RIS2 - Batch functions that are marked with system RIS are hidden for sites that don't use RIS <p>Open the list with batch functions via Tools => Server Environment => Batch functions</p> <p>For details about a specific batch function:</p> <ul style="list-style-type: none"> - Open a specific batch functions: click on the function => press button [Open] - All possible parameters options and task values are shown on the response screen - Click on button [Explain function] for extra details about the options and task values <p>Running a batch function:</p> <ul style="list-style-type: none"> - Enter the correct parameter options and the correct task value - Click on button [Start] to start the batch function <p>See the task explanation form or the task attachment in SURE for detailed information</p>			
TASK-1083-SURE	Received Reported by Type	27-Jul-2018 RVA IMPROVEMENT	SOLVED 04-Sep-2018 at 90
<p>Improve function 'Upload file' to upload a file from the workstation to the server. Folder 'SURE server' => Sources => right click on a source or directory => Upload file</p> <p>Solution: In the case that function 'Upload File' is used from the menu of an MCP-directory, then that becomes the target directory, so the PC-file will be uploaded to that directory. The default MCP file name will be: <MCP-directory>/<last node of the PC-file></p> <p>Example Function 'Upload file' is done for MCP-directory (JOHN)AAA The selected PC-file is C:\SURE\TEMP\xxx\bbb.txt The file is uploaded to the MCP as (JOHN)AAA/BBB</p> <p>It is still possible to change the name of the MCP-file immediately before the upload is started</p>			
TASK-1085-RIS	Received Reported by Type	30-Jul-2018 SNS IMPROVEMENT	SOLVED 31-Jul-2018 at 90

Task	Status		Date ready	Release
	Give a verification message if a user adds a new filename that does not contain a slash in the name			
Solution:	This is to prevent that filenames are added by accident in the root directory. If the user really wants to add a filename in the root directory then he can ignore the verification message			
TASK-1086-SURE	Received Reported by Type	31-Jul-2018 SNS IMPROVEMENT	SOLVED	31-Jul-2018 at 90
	Improve the message that shows the number of files of a directory when a directory with 661 files or more is opened			
Solution:	Previously the message reported the number of files in the directory in any environment in SURE Now the message reports the number of files in the directory of the environment where the directory is opened			
TASK-1088-RIS	Received Reported by Type	31-Jul-2018 ITSforSURE IMPROVEMENT	SOLVED	22-Aug-2018 at 90
	Improve function 'Download file' to download a file from the server to the workstation. Folder 'SURE server' => Sources => right click on a source => Download			
Solution:	In the case that an MCP-printer-backupfile is downloaded, the default file extension of the downloaded PC-file is .DOC, so the file will be opened in MS-word. It is now possible to choose another PC- file extension on the download screen (for example .TXT), so that the file is opened in another editor. It is also possible to overrule the default PC- file extensions permanently, via the following options in the AW_OBJ.INI file [DOWNLOADEXT] <filekind>=<extension> <filekind>=<extension> Example [DOWNLOADEXT] DMALGOLSYMBOL=XLS BACKUPPRINTER=TXT			
TASK-1090-SURE	Received Reported by Type Severity Probability	10-Aug-2018 SNS ERROR MINOR RARE	SOLVED	10-Aug-2018 at 90
	An MF-cobol source has a reference to a strange copy-file. The name of the copy-file shows only the last node of the copy-file			
Solution:	This was caused by a double full stop after the name of the copy-file			
TASK-1092-SURE	Received Reported by Type	21-Aug-2018 SNS IMPROVEMENT	SOLVED	21-Aug-2018 at 90

Task	Status	Date ready	Release
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SURE backend on Windows: Secure some commands on the ODT-screen

Solution: The following commands are now secured: RUN, R, START, ST, HS, ML, OK, AX, DS, FS, SKIP, RETRY, ABORT

TASK-1095-RFW	Received Reported by Type	28-Aug-2018 ITSforSURE IMPROVEMENT	SOLVED	28-Aug-2018	at 90
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Make SURE output screens of type RFW with a scrollbar react to mouse wheel events

TASK-1096-SURE	Received Reported by Type	29-Aug-2018 ORDINA IMPROVEMENT	SOLVED	09-Oct-2018	at 90
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SURE backend on Windows: improve the installation of the Windows backend

Solution: The following is improved:

- The Microsoft Message Queues are automatically created at an initial installation
- The release-information of the backend is now also visible on the Control Website

TASK-1097-SURE	Received Reported by Type	30-Aug-2018 ORDINA IMPROVEMENT	SOLVED	30-Aug-2018	at 90
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Improve file-type option 'Enter only a file-name'

Solution: This file-type is used for files that must only be entered in SURE as a file-name, but the file got also a STATUS and a FILE-TYPE

TASK-1098-SURE	Received Reported by Type	31-Aug-2018 SNS IMPROVEMENT	SOLVED	05-Sep-2018	at 90
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SURE backend on Windows: improve function 'Dump/Load Repository'

Solution: The following is now possible:

1. Dump-Load from an MCP-repository to another MCP-repository
 - This was already possible for MCP-files and RIS-definitions.
 - It is now also possible for PC files
 - Dump tasks and modules: RUN RESPECT/REPOSITORY("DUMP-REPOSITORY");
 - The intermediate files are dumped on the MCP to directory RESPECT/DUMP/=
 - Load tasks and modules: RUN RESPECT/REPOSITORY("LOAD-REPOSITORY");
2. Dump-load from an MCP-repository to a Windows-repository
 - This function is new. It works for MCP-files, RIS-definitions and PC-files
 - Dump tasks and modules: RUN RESPECT/REPOSITORY("DUMP-REPOSITORY TO-WINDOWS");

Task	Status		Date ready	Release
	<ul style="list-style-type: none"> - The intermediate files are dumped on the MCP to directory RESPECT_DUMP/= - The files are transferred from MCP to Windows via script Dump_from_MCP.wsf - Load tasks and modules: RUN RESPECT/REPOSITORY("LOAD-REPOSITORY"); 			
	3. Dump-load from a Windows-repository to another Windows-repository <ul style="list-style-type: none"> - This function is new. It works for MCP-files, RIS-definitions and PC-files - Dump tasks and modules: RUN RESPECT/REPOSITORY("DUMP-REPOSITORY"); - The intermediate files are dumped to directory RESPECT_DUMP/= - Load tasks and modules: RUN RESPECT/REPOSITORY("LOAD-REPOSITORY"); 			
TASK-1099-WINDOWS	Received	05-Sep-2018	SOLVED	05-Sep-2018 at 90
	Reported by Type	RVA IMPROVEMENT		
	SURE backend on Windows: clear also table DTMP when executing script Load_infdb.sql			
Solution:	This sql-script is only used when an initial Windows repository must be (re)filled with files that come from the MCP			
TASK-1100-SURE	Received	05-Sep-2018	SOLVED	05-Sep-2018 at 90
	Reported by Type	ORDINA IMPROVEMENT		
	SURE backend on Windows: In job Get_infdb_data.bat: wait 5 seconds after each started file-transfer			
Solution:	This bat file is only used during the initial setup of a Windows repository to copy the content of an MCP repository to Windows			
TASK-1101-SURE	Received	07-Sep-2018	SOLVED	07-Sep-2018 at 90
	Reported by Type	RVA IMPROVEMENT		
	SURE backend on Windows: give more displays about the status of the installation or upgrade			
TASK-1102-SURE	Received	10-Sep-2018	SOLVED	10-Sep-2018 at 90
	Reported by Type	SNS IMPROVEMENT		
	SURE backend on Windows: there are some INTERRUPT files in the busy directory			
Solution:	This was a timing issue: it happened when a Query was interrupted, but the interruption was just too late, so the complete response was already sent to the SfW-GUI. The interruption file is now removed when a rightclick is done on any file			
TASK-1104-SURE	Received	12-Sep-2018	SOLVED	12-Sep-2018 at 90
	Reported by Type	ORDINA IMPROVEMENT		

Task			Status	Date ready	Release
Function FIND: support a query expression on the query-screen that contains hexadecimal characters like carriage return and line feed					
TASK-1107-SURE	Received Reported by Type	14-Sep-2018 SNS IMPROVEMENT	SOLVED	14-Sep-2018	at 90
SURE backend on Windows: improve the Install job to suppress irrelevant messages					
TASK-1108-SURE	Received Reported by Type Severity Probability	14-Sep-2018 RVA ERROR MINOR CERTAIN	SOLVED	14-Sep-2018	at 90
Do not add a status 'Integrity Block' for a PC file with syntax errors if the system of that PC-file does not have option 'With Integrity'					
TASK-1109-SURE	Received Reported by Type Severity Probability	15-Sep-2018 ITSforSURE ERROR MODERATE CERTAIN	SOLVED	16-Sep-2018	at 90
SURE backend on Windows: function 'Start Batch Function' ignores multiple parameters					
TASK-1110-SURE	Received Reported by Type Severity Probability	16-Sep-2018 ITSforSURE ERROR MINOR POSSIBLE	SOLVED	16-Sep-2018	at 90
SURE backend on Windows: batch function RUNINFO-LASTRUN does not select any file if parameters CLASS or ASSET are not used					
TASK-1111-SURE	Received Reported by Type	17-Sep-2018 RVA FEATURE	SOLVED	24-Nov-2018	at 90
Implement a new option for PC-file-type: a PC-file with this file-type must be removed from the Local Work Directory after the check-in					
Solution:	This is implemented via a new option for PC-file-types: Option 'Remove source & object from Local Work Directory after Checkin'				

Task	Status	Date ready	Release
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This option triggers the start of a bat-file after the source is checked-in.
 The name of the bat-file must be defined in at AW_OBJ.INI file, as follows:
 [INFDB]
 REMOBJ=<full name of bat-file>

The bat-file is started with the full source name as parameter.

The purpose of the bat-file is to remove the checked-in source and to remove the compiled executable from the Local Work Directory of the developer.

If the bat-file is not defined or if the bat-file failed then an extra verification screen is shown after the check-in with the question:
 'Bat file not defined or failed. Do you want to remove the source anyway? '

Example bat files

The first example covers the case that the source and the executable are both located in the same directory, and the name of the executable is <source-name>.obj

```
@echo off
rem Set file name to actual case (may be useful if target is Unix)
for /F %%X in ("%1") do set FileName=%%~fX%

for /F %%X in ("%1") do set ObjName=%%~dpnX%.obj

del %FileName%
del %ObjName%
exit /b 0
```

The second example covers the case that the source file and the executable are located in different directories. The object-directory is in this example the source-directory with the last directory-node replaced by 'obj'.

```
@echo off
rem Example remove work file + object with object in different directory than work file

rem Set file name to actual case (may be useful if target is Unix)
for /F %%X in ("%1") do set FileName=%%~fX%

rem Move one dir up and append name of object dir
for /F %%X in ("%1") do set FullDir=%%~dpX%
for /F %%X in ("%FullDir:~0,-1%") do set ObjDir=%%~dpX%obj
rem Extract file name and append to object dir with .obj extension
for /F %%X in ("%1") do set LastNode=%%~nX%
set ObjName=%ObjDir%\%LastNode%.obj

del %FileName%
del %ObjName%
exit /b 0
```

Task	Status	Date ready	Release
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See the task explanation form or the task attachment in SURE for detailed information

TASK-1112-TASK	Received Reported by Type	17-Sep-2018 ITSforSURE IMPROVEMENT	SOLVED	25-Oct-2018	at 90
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Task reference: support that multiple tasks have the same reference

Solution: It is now possible to use the same task-reference for multiple tasks.

Function 'Select task via reference' returns all tasks with the entered reference-id. This new browse function requires the installation of the newest Sfw-GUI. The previous GUI is still compatible with the new backend software, but then function 'Select task via reference' returns only one task.

TASK-1114-SURE	Received Reported by Type	17-Sep-2018 ITSforSURE IMPROVEMENT	SOLVED	17-Sep-2018	at 90
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MCP: The Compile Statistics are not always properly cleaned-up.

TASK-1115-SURE	Received Reported by Type	19-Sep-2018 BBL IMPROVEMENT	SOLVED	25-Oct-2018	at 90
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Extra tracing for function 'Log on via Kerberos'
Enlarge some internal arrays that contain the Kerberos token, to avoid a truncation of that token.

Solution: The SUREforWindows GUI:

- Kerberos tracing is automatically done when function 'log-on via Kerberos' is enabled
- Kerberos trace info is written into the regular trace file.
- Each Kerberos trace line is marked with 'debug - Kerberos'

The SURE Server on MCP:

- Kerberos tracing is done by library OBJECT/RIS/API/LIB and written in a printer backup file
- Kerberos tracing is by default disabled.
- Tracing is enabled if file SURE/TRACE/KERBEROS is resident under the same usercode/pack of the library when the library starts.
- <mix>HI98 on OBJECT/RIS/API/LIB disables the tracing and releases the print file.
- <mix>HI97 on OBJECT/RIS/API/LIB enables the tracing and creates a new print file.

TASK-1116-SURE	Received Reported by Type	19-Sep-2018 RVA FEATURE	SOLVED	25-Oct-2018	at 90
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SURE backend on Windows: create a function to copy a changed copy-book from an environment in SURE to a 'stable resource location'. The stable resource location is a predefined directory somewhere in the network.

Solution: This is implemented via a new option for PC-file-types:
Option 'Put changed copy-file in stable resource directory'

The procedure is explained by an example.

Task	Status	Date ready	Release
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Suppose the following configuration :

- A copy-book belongs to system SYS1 and has file-type CPT
- System SYS1 has the following options in environment DEVELOP:
 - Option 'Put copy-file in work-directory after save/load' is enabled.
 - The work-usercode/pack = * ON DEVPK
- File-type CPY has the following option:
 - Option 'Put changed copy-file in stable resource directory' is enabled.

Map the SURE-usercode/pack of system SYS1 to the stable resource directory of system SYS1:

- SURE-usercode/pack * ON DEVPK points automatically to Windows-directory C:\SURESERVER\...\DATA\DEVPK\star
- Use the Windows MKLINK command to let the Windows-directory point to the stable resource directory (optionally on another host).

For example if the stable resource directory is on a Linux-host:

MKLINK /D <Windows-directory-name> <Linux directory>

If the copy-book is checked-in to environment DEVELOP, then that copy-book is immediately copied from SURE to directory C:\SURESERVER\...\DATA\DEVPK\star*. * which points to the stable resource directory of SYS1.

For example:

Copy-book SYS1\COPY\C1.CPY is copied as <stable-resource-dir>\SYS1\COPY\C1.CPY

If the link must be removed then use command: RMDIR <Windows-directory-name>

TASK-1117-SURE	Received Reported by Type Severity Probability	24-Sep-2018 ITSforSURE ERROR SEVERE POSSIBLE	SOLVED	24-Sep-2018	at 90
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SURE backend on Windows: Index SITEN is created with wrong keys, which may cause duplicate item-names

TASK-1118-SURE	Received Reported by Type Severity Probability	26-Sep-2018 SNS ERROR MINOR RARE	SOLVED	26-Sep-2018	at 90
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PC files with a hashtag '#' in the file name are sometimes not handled correctly

TASK-1119-SURE	Received Reported by Type Severity Probability	27-Sep-2018 SNS ERROR MODERATE POSSIBLE	SOLVED	27-Sep-2018	at 90
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Batch function SELECT-UNUSED: the DATE comparison does not work correctly: files that are changed after the date are still selected as unused.

Task	Status		Date ready	Release
Solution:	The wrong timestamp was used for the DATE comparison. It was the date that a file was originally entered. This is changed to the last date that a file is changed.			
TASK-1120-SURE	Received Reported by Type Severity Probability	27-Sep-2018 SNS ERROR MINOR POSSIBLE	SOLVED	27-Sep-2018 at 90
	Batch functions SELECT-UNUSED and MOVE-TO-ARCHIVE: some files with STATUS(REMOVE) are mentioned on the lists but they are never archived, so they appear on the lists again and again.			
Solution:	Files or RIS-components that are logically deleted (STATUS REMOVE) in one or more environments and not selected anymore by batch functions SELECT-UNUSED and MOVE-TO-ARCHIVE. This keeps the lists cleaner and it separates the procedures 'Logically deleted' and 'Archiving'.			
TASK-1121-SURE	Received Reported by Type Severity Probability	27-Sep-2018 SNS ERROR SEVERE CERTAIN	SOLVED	25-Oct-2018 at 90
	Eclipse CVS interface: if a file is removed via Eclipse then that remove-action is not linked to the current task			
TASK-1122-RFW	Received Reported by Type Severity Probability	27-Sep-2018 SNS ERROR SEVERE POSSIBLE	SOLVED	25-Oct-2018 at 90
	SURE backend on Windows: it happens sometimes that a zip-file becomes corrupted during the check-in: one hex-00 character in the zip file is shifted to another place further in the file. It does not happen on all workstations...			
Solution:	We implemented an optional new DCIS/FTP protocol to analyze the issue: - FTP DA messages include the size of the transferred data; - DCIS messages have no repeating character compression. - The padding hex-00 characters at the end of a message are removed - Add a hash number to the message, and compare that hash number on the receiving side			
TASK-1123-SURE	Received Reported by Type Severity Probability	30-Sep-2018 SNS ERROR SEVERE RARE	SOLVED	30-Sep-2018 at 90
	Function Get Latest Version on a specific file fails with error message 'Cannot change file'			
Solution:	We think that this is caused by a virus scanner, because the files where this happens are typically examined by a virus scanner (a dll file and a bat file). The final action of the file-transfer gives now a more specific error message plus the			

Task			Status	Date ready	Release
	option to retry the action				
TASK-1124-SURE	Received Reported by Type	01-Oct-2018 CEDAE IMPROVEMENT	SOLVED	03-Oct-2018	at 90
	Report 'Tasks Forms (selected task in Browser)' must also show the task log				
TASK-1125-SURE	Received Reported by Type Severity Probability	02-Oct-2018 SNS ERROR SEVERE RARE	SOLVED	02-Oct-2018	at 90
	A file transfer in my SfW-session is blocked when the previous file transfer got error message 'Cannot change file'.				
TASK-1126-SURE	Received Reported by Type Severity Probability	02-Oct-2018 ORDINA ERROR MAJOR RARE	SOLVED	03-Oct-2018	at 90
	SURE backend on Windows: we cannot run any program after we added a new SURE environment. Each program fails.				
TASK-1128-SURE	Received Reported by Type Severity Probability	09-Oct-2018 ORDINA ERROR MODERATE POSSIBLE	SOLVED	09-Oct-2018	at 90
	SURE backend on Windows: The installation goes wrong if the software must be installed from another host or drive				
TASK-1129-SURE	Received Reported by Type Severity Probability	09-Oct-2018 RVA ERROR MINOR RARE	SOLVED	09-Oct-2018	at 90
	The SUREforWindows zip file cannot be unzipped (Windows 10 environment) because of a file autorun.inf				
Solution:	File autorun.inf is not delivered anymore. This file was only relevant for deliveries via CD or DVD				
TASK-1130-SURE	Received Reported by Type	09-Oct-2018 ITSforSURE IMPROVEMENT	SOLVED	14-Oct-2018	at 90

Task	Status			Date ready	Release
Improve the performance of function Purge File					
Solution:	In case of purge in all environment: do not do a status check of the file after each environment				
TASK-1131-SURE	Received Reported by Type	10-Oct-2018 RVA IMPROVEMENT	SOLVED	16-Oct-2018	at 90
Improve the examining of MicroFocus COBOL files - Ignore text beyond position 72 - Recognize a copy-file in statement EXEC SQL INCLUDE <filename> END-EXEC					
Solution:	The following is now supported for MicroFocus COBOL files: - Tabs in positions 1 to 6 - A 'markid comment' beyond position 72 - A COPY statement that is split over 2 lines				
TASK-1132-XX	Received Reported by Type	11-Oct-2018 ITSforSURE FEATURE	SOLVED	14-Oct-2018	at 90
SURE backend on Windows: Enter some useful SQL views and queries for debugging and maintenance.					
TASK-1133-SURE	Received Reported by Type Severity Probability	14-Oct-2018 SNS ERROR MODERATE RARE	SOLVED	14-Oct-2018	at 90
Function 'Purge Directory' does not always remove all files of the directory					
TASK-1134-SURE	Received Reported by Type	16-Oct-2018 CEDAE FEATURE	SOLVED	16-Oct-2018	at 90
Create a batch function to deactivate all users that are not linked to any employee-function					
Solution:	RUN RESPECT/REPOSITORY("DEACTIVATE-OLD-USERS")				
TASK-1135-SURE	Received Reported by Type Severity Probability	16-Oct-2018 ORDINA ERROR SEVERE RARE	SOLVED	17-Oct-2018	at 90
SURE backend on Windows: The security bits don't work anymore when an environment is added or deleted					

Task	Status		Date ready	Release
Solution:	Clean the DTMP table when an environment is added or deleted			
TASK-1136-SURE	Received Reported by Type	23-Oct-2018 SNS IMPROVEMENT	SOLVED	25-Oct-2018 at 90
	Improve the Eclipse-CVS-SURE interface			
Solution:	The following is improved: - Function 'Delete File' must use recognize that another task is made current via RIS/MENU or via another Sfw session - If the verification of the current task is denied, then skip all further committed updates of the same group			
TASK-1137-SURE	Received Reported by Type	24-Oct-2018 SNS FEATURE	SOLVED	25-Oct-2018 at 90
	Implement a new method for the batch build to synchronize a complete directory with SURE and to start a build for that directory. It does not matter if the files in the directory are linked to a build-server or not: the complete directory is input for the build.			
Solution:	This method is triggered by the following build command: [BATCH] COMMAND=SYNCPATH:<directory-name>			
TASK-1138-SURE	Received Reported by Type	25-Oct-2018 SNS IMPROVEMENT	SOLVED	25-Oct-2018 at 90
	SURE backend on Windows: Log more user actions			
Solution:	The following is now also logged: - RUN <program> from the ODT screen - START <script> from the ODT screen - RUN <program> from 'Start Batch Function'			
TASK-1139-SURE	Received Reported by Type	25-Oct-2018 SNS IMPROVEMENT	SOLVED	26-Oct-2018 at 90
	SURE backend on Windows: prevent that the same program is started multiple times in a row			
Solution:	If a program or script is started for the ODT screen and there is already an active process with the same name, parameters and environment, then a verification message is given that the program runs already. The user can cancel the start or he can ignore the message and start the program anyway.			
TASK-1140-SURE	Received Reported by Type	27-Oct-2018 RVA IMPROVEMENT	SOLVED	27-Oct-2018 at 90
	SURE backend on Windows: improve speed of batch function CHECK-RESOURCE-LOC			

Task	Status		Date ready	Release
TASK-1141-SURE	Received Reported by Type	29-Oct-2018 SNS IMPROVEMENT	SOLVED	29-Oct-2018 at 90
SURE backend on Windows: documentation: describe the configuration that a limited user group is allowed to access the SURE Control Website				
TASK-1142-SURE	Received Reported by Type	30-Oct-2018 RVA IMPROVEMENT	SOLVED	30-Oct-2018 at 90
Improve function Copy <pc-file>				
Solution:	<p>The following changes are made:</p> <ul style="list-style-type: none"> - Windows backend: if the file is PC-copy-file then copy it always to the stable resource directory, otherwise do nothing - MCP backend: If the file is a PC-file then give the file prefix 'COPY\' 			
TASK-1143-SURE	Received Reported by Type	30-Oct-2018 ORDINA IMPROVEMENT	SOLVED	30-Oct-2018 at 90
SURE backend on Windows: program RESPECT/SURE/WINBATCH must create a 'trigger file' for each build server with a filled to-build queue. The trigger-file can then be used in the started bat file				
Solution:	<p>If the SURE batch is started with parameter BUILD-SERVER=<start-build-script> then:</p> <ul style="list-style-type: none"> - The <start-build-script> is unconditionally started by the SURE_batch when all generations are done. - A trigger file is created in the WORKFLOW\SYNC directory for each SURE Build Server with a non-empty to-build queue. <p>The name of a trigger file is:</p> <p><Root directory>\WORKFLOW\SYNC\DO_BUILD_<environment>_<build-server-name></p> <p>The trigger files can be interrogated in the <start-build-script> to start the required SURE Build Servers only when necessary.</p>			
TASK-1144-SURE	Received Reported by Type	31-Oct-2018 SNS IMPROVEMENT	SOLVED	31-Oct-2018 at 90
Value 999 or 9999 for options 'Remove file task history' and 'Remove solved task' must mean: remove never				
Solution:	<p>Options 'Remove file history after' and 'Remove solved task' behave now as follows:</p> <ul style="list-style-type: none"> - If no value is entered for Days then nothing will be removed - If Days has value 999 or 9999 then nothing will be removed - Any other value defines the expiration period in days 			

Task	Status	Date ready	Release
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TASK-1145-SURE	Received Reported by Type Severity Probability	05-Nov-2018 ITSforSURE ERROR MINOR OFTEN	SOLVED	05-Nov-2018 at 90
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Some tasks have relation EFFORT = 0. This should be suppressed

Solution: This was caused by a task-type with EFFORT 0.

TASK-1146-SURE	Received Reported by Type Severity Probability	06-Nov-2018 CEDAE ERROR MINOR CERTAIN	SOLVED	06-Nov-2018 at 90
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Function Log of the menu of a user is always disabled, even when the user has log-info

Solution: It is now fixed.
The user-log was already visible via the 'flag-icon' that is shown when the user has log-info

TASK-1147-SURE	Received Reported by Type Severity Probability	06-Nov-2018 ORDINA ERROR MINOR POSSIBLE	SOLVED	06-Nov-2018 at 90
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A mouse click on menu function Organization => User => De-activate results in a crash

Solution: Folder Organization => User had a wrong menu. That is now changed

TASK-1148-SURE	Received Reported by Type Severity Probability	06-Nov-2018 SNS ERROR MODERATE RARE	SOLVED	06-Nov-2018 at 90
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SUREforWindows hangs with message box 'Encountered an improper argument' after option 'Number of Last Edited Files' is set to zero

Solution: INI entry [SURE]LASTCHANGEDNUMBERENTRIES=0 is now handled correctly. In that case the folder 'Last Edited' is never opened.

TASK-1149-SURE	Received Reported by Type	06-Nov-2018 SNS IMPROVEMENT	SOLVED	11-Nov-2018 at 90
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Improve the handling of failing file transfer completion in batch mode.

Solution: Any file-transfer by a SUREforWindows GUI (in batch mode or in interactive mode) is done in two steps:
Step 1: The file is transferred from SURE to the destination directory, but with temporary file extension XFR.

Task	Status	Date ready	Release
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Step 2: The file transfer is completed by changing temporary file extension XFR to the correct file extension.

The following improvements are made for step 2:

- If the file name cannot be changed then the message 'cannot change file' is replaced by a more specific error message.
- If SfW is started with ini-option [GLOBAL]MODE=MESSAGEBOX, then the message appears on a message box and it is written in the trace file. The message box contains also buttons [Retry] and [Cancel]. Button [Retry] tries to complete the file transfer again. Button [Cancel] skips the final step 2 and in that case the file transfer failed.
- If SfW is started in batch mode (Build Server mode) with ini-option [GLOBAL]MODE=EVENTLOG, then the message is written in the Window Event log and in the trace file. The Build Server does automatically 2 retries (after 1 second wait) to complete the file transfer before it is cancelled.
- If SfW is started in batch mode (Build Server mode) with ini-option [GLOBAL]MODE=UNATTENDED, then the message is written in the trace file. The Build Server does automatically 2 retries (after 1 second wait) to complete the file transfer before it is cancelled.

If SfW is started as a Build Server, and one or more file transfers failed or the file synchronization phase was interrupted, then the Build Server stops immediately after the file synchronization phase. In that case no build jobs are started.

TASK-1150-SURE	Received Reported by Type	07-Nov-2018 SNS IMPROVEMENT	SOLVED	07-Nov-2018	at 90
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Function File New: Give a warning if the file exists already in a higher environment or in the Archive environment

Solution: An extra verification message is given when the source exists in SURE but not in the current environment. This verification message is only given in interactive mode and not in batch mode.

TASK-1151-SURE	Received Reported by Type	07-Nov-2018 ORDINA IMPROVEMENT	SOLVED	07-Nov-2018	at 90
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If a data file is uploaded multiple time from a SfW-workstation to the SURE server environment (on MCP or Windows) then the recordsize, blocksize and areaseize must be entered at the first upload. These physical attributes are now automatically pre-filled at the following uploads.

TASK-1152-SURE	Received Reported by Type	08-Nov-2018 BBL IMPROVEMENT	SOLVED	08-Nov-2018	at 90
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Function Recover: if a file is recovered and tasks are linked to the file in the target environment and the target environment is not the first environment, then those task-links must be moved to the previous environment.

Solution: The situation is explained by an example.

Suppose a repository with 3 environments: DEV, ACC and PROD, and file SOURCE/A with version 2.1 in all environments.

File SOURCE/A is changed because of task T1. The task is transferred from DEV to ACC.

The status of SOURCE/A is then:

- DEV: version 3.1
- ACC: version 3.1 and linked to T1
- PROD: version 2.1

Task	Status	Date ready	Release
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If SOURCE/A is recovered from PROD to ACC, then the task-link is moved to DEV.

The status of SOURCE/A is then:

DEV: version 3.1 and linked to T1

ACC: version 2.1

PROD: version 2.1

Notice that the task-link is moved to the previous environment DEV, but the task itself keeps the same status ACC.

If SOURCE/A is recovered from ACC to DEV, then the task-link is removed.

The status of SOURCE/A is then:

DEV: version 2.1

ACC: version 2.1

PROD: version 2.1

TASK-1153-SURE	Received Reported by Type	08-Nov-2018 BBL IMPROVEMENT	SOLVED	08-Nov-2018	at 90
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Function Task Transfer: do not allow that a task is transferred if something is still linked to that task in an environment lower than the current environment of the task.

Solution:

The situation is explained by an example

Suppose a repository with 3 environments: DEV, ACC and PROD

The current status of a task is ACC, but a file is still linked to the task in DEV (this is an exceptional case, that can only happen after function RECOVER is used on that file).

In this case the task transfer from ACC to PROD is blocked, because something is still linked to the task in DEV.

The procedure is now:

- Reactivate the task to DEV
- Transfer the task again from DEV to ACC to bring the linked file to that level
- Transfer the task from ACC to PROD

Another option to release the task-transfer from ACC to PROD is to move to file in DEV to another task

TASK-1155-TOOLS	Received Reported by Type Severity Probability	09-Nov-2018 SNS ERROR SEVERE POSSIBLE	SOLVED	10-Nov-2018	at 90
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The upgrade of the Sfw-GUI may fail under Windows 10 because file C:\ProgramData\ITSforSURE\RFW.INI is not created

Solution:

Let Install.exe always create the <ProgramData>\ITSforSURE directory if it does not exist. When automatically created by the actual Setup process, which is an installer, it may be assigned wrong security attributes. Install.exe is a plain executable and will assign security attributes based on the starting user.

TASK-1157-SURE	Received Reported by Type	12-Nov-2018 ITSforSURE IMPROVEMENT	SOLVED	30-Nov-2018	at 90
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Task			Status	Date ready	Release
	Set the release number to 90.5				
	Linked	FILE	Ris\A\Sure\Document\Releasenotes90.docx		
TASK-1158-SURE	Received Reported by Type Severity Probability	15-Nov-2018 SNS ERROR MINOR POSSIBLE	SOLVED	24-Nov-2018	at 90
	Rename user does not work				
TASK-1159-SURE	Received Reported by Type	19-Nov-2018 RVA IMPROVEMENT	SOLVED	24-Nov-2018	at 90
	Function 'Undo checkout': remove the source after the undo check-out from the Local Work Directory if file-type option 'Remove Source & Object after check-in' is enabled				
TASK-1160-SURE	Received Reported by Type Severity Probability	19-Nov-2018 SNS ERROR MINOR RARE	SOLVED	19-Nov-2018	at 90
	A usercode is defined in SURE as 'Secadmin User', but that is sometimes not visible on the screens. The Security Administrator bit was not shown.				
TASK-1162-SURE	Received Reported by Type	23-Nov-2018 ORDINA FEATURE	SOLVED	30-Nov-2018	at 90
	Function Toolbar => Reports => Task forms: Show the options screen where you can select the task details that must appear on the list. The same option screen as with report function 'Selected tasks'				
Solution:	See the task explanation form or the task attachment in SURE for detailed information				
TASK-1163-SURE	Received Reported by Type	27-Nov-2018 SNS IMPROVEMENT	SOLVED	27-Nov-2018	at 90
	SURE backend on Windows: If a batch function is started multiple times with the same parameters and environment then the SURE Scheduler has to postpone the second one until the first one is finished.				
Solution:	The actual start of a script or batch function is done by SURE Scheduler.				

Task	Status	Date ready	Release
<p>Before starting the script, SURE Scheduler checks if another script with the same name and parameters is already active. If so, then the start is postponed until the next minute-change after the other script is finished.</p>			
TASK-1164-SURE	Received Reported by Type	27-Nov-2018 BBL FEATURE	SOLVED 27-Nov-2018 at 90
<p>Create new batch function to clean the security log</p>			
<p>Solution:</p> <p>The security log is cleaned via the following batch function: <code>RUN RESPECT/REPOSITORY("CLEAN-SECURITY-LOG UNTIL <date>");</code></p> <p>All expired security log records are written in a data file called RESPECT/DUMP/SECURITYLOG/<date> and then removed from the repository.</p>			
TASK-1165-XX	Received Reported by Type Severity Probability	28-Nov-2018 SNS ERROR MINOR RARE	SOLVED 29-Nov-2018 at 90
<p>SURE backend on Windows: hang of TcpipService with the following message: Exception on Receive: Collection was modified; enumeration operation may not execute</p>			
TASK-1166-SURE	Received Reported by Type	28-Nov-2018 ORDINA IMPROVEMENT	SOLVED 28-Nov-2018 at 90
<p>SURE backend on Windows: When passing parameters to scripts and programs: improve the support of parameters that contain one or more spaces</p>			
<p>Solution:</p> <p>If the START command is used in a script to start a second script, and one of the parameters to the script contains spaces, then that parameter has to be surrounded by quotes.</p> <p>The START function has two parameters:</p> <ol style="list-style-type: none"> 1. The name of the script that must be started 2. The start-parameter: a string with the input parameters for that script <p>The start-parameter consists of 1 of more individual parameters</p> <p>Each individual parameter has layout <key>=<value></p> <ul style="list-style-type: none"> - <Key> may not contain spaces - Directly before and after the '=' are no spaces allowed - <Value> may contain spaces, but then <value> must be surrounded by quotes <p>Examples:</p> <pre>START("SURE_Run" ,"TASK-NAME=RESPECT_REPOSITORY \\"TASK-PARAM=DUMP-FOR-WIKI SKIP FILE\\" "); START("SURE_Run" ,"TASK-NAME=RESPECT_REPOSITORY TASK-PARAM=\\\"DUMP-FOR-WIKI SKIP FILE\\\" ");</pre>			

Task			Status	Date ready	Release
TASK-1167-SURE	Received Reported by Type	28-Nov-2018 SNS IMPROVEMENT	SOLVED	29-Nov-2018	at 90
Lock out clicks on SURE/RIS browser while a Select... is running					
TASK-1168-SURE	Received Reported by Type	29-Nov-2018 ITSforSURE IMPROVEMENT	SOLVED	29-Nov-2018	at 90
SURE backend on Windows: if a user started a batch function and that batch function is killed or has crashed then send a message to warn the user					
TASK-1169-XX	Received Reported by Type	29-Nov-2018 ITSforSURE IMPROVEMENT	SOLVED	29-Nov-2018	at 90
SURE backend on Windows: make it possible to check the status of SQL-Server via the SURE Control Website, and to start or stop SQL-Server via the website					
And give a verification message if a SURE job is killed via the website					
TASK-1170-SURE	Received Reported by Type	29-Nov-2018 ITSforSURE IMPROVEMENT	SOLVED	29-Nov-2018	at 90
SURE backend on Windows: the range for JOB-SESSION numbers must be between 100 and 999900					
TASK-1171-SURE	Received Reported by Type	30-Nov-2018 SNS IMPROVEMENT	SOLVED	30-Nov-2018	at 90
Improve displays in interrupt dialog during batch build so that it is clear that there is progress					
TASK-1172-SURE	Received Reported by Type	30-Nov-2018 SNS IMPROVEMENT	SOLVED	30-Nov-2018	at 90
A task rename must be logged					
TASK-1173-SURE	Received Reported by	02-Dec-2018 CEDAE	SOLVED	05-Dec-2018	at 90

Task	Status		Date ready	Release
	Type Project	IMPROVEMENT SURE		
	Function 'Multiple objects': improve the support for multiple objects			
Solution:	Implement function LIKE, to make a MultipleObject definition that is similar as the MultipleObject definition of another file			
	Improve to method to create a MultipleObject with the default object name but with a deviating object-usercode/pack			
	Support a MultipleObject with the default object name but with object-usercode = *			
	See the task explanation form or the task attachment in SURE for detailed information			
TASK-1174-SURE	Received Reported by Type Severity Probability	07-Dec-2018 SNS ERROR MODERATE RARE	SOLVED	08-Dec-2018 at 90
	Delta files of a PC-source: the delta files are not correct in the higher environments after functions Rollback + Transfer			
TASK-1175-SURE	Received Reported by Type	07-Dec-2018 SNS IMPROVEMENT	SOLVED	07-Dec-2018 at 90
	Batch function screen: field Options must allowe lower case input			
TASK-1176-SURE	Received Reported by Type	08-Dec-2018 CEDAE IMPROVEMENT	SOLVED	10-Dec-2018 at 90
	Make extra folder: Organization => User (not active)			
Solution:	Folder Organization => User shows the active users.			
	Folder Organization => 'User (not active)' shows the users that are not active.			
	- This folder is new			
	- This folder is only visible if option 'Show hidden folders' of the Toolbar/Options menu is enabled.			
TASK-1177-SURE	Received Reported by Type	10-Dec-2018 RVA IMPROVEMENT	SOLVED	10-Dec-2018 at 90
	SURE backend on Windows: new batch function to load a source			
Solution:	RUN RESPECT/REPOSITORY("LOAD-SOURCE FILE <title> PROJECT <project> FILE-TYPE <file-type>")			
TASK-1178-SURE	Received	12-Dec-2018	SOLVED	12-Dec-2018 at 90

Task	Status	Date ready	Release
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Reported by	SNS
Type	ERROR
Severity	MODERATE
Probability	POSSIBLE

SURE backend on Windows: Folder 'Files to review' does not show any files, but the review queue is not empty

Solution: This was caused by a missing unique index on table DTMP

TASK-1179-SURE	Received	12-Dec-2018	SOLVED	13-Dec-2018	at 90
	Reported by	SNS			
	Type	ERROR			
	Severity	MINOR			
	Probability	POSSIBLE			

Refresh of folder Employee Function does not work immediately

TASK-1180-SURE	Received	12-Dec-2018	SOLVED	13-Dec-2018	at 90
	Reported by	RVA			
	Type	ERROR			
	Severity	SEVERE			
	Probability	POSSIBLE			

File type with option 'Remove source and object...': batch build must place files in work directory and not in the source directory

TASK-1181-SURE	Received	12-Dec-2018	SOLVED	12-Dec-2018	at 90
	Reported by	ITSforSURE			
	Type	IMPROVEMENT			

In case of deleting a file: delete also the user-related SOURCE-COPY relations

TASK-1182-SURE	Received	18-Dec-2018	SOLVED	18-Dec-2018	at 90
	Reported by	RVA			
	Type	ERROR			
	Project	SURE			
	Severity	MAJOR			
	Probability	RARE			

The delta-file of a PC-file is empty if the source contains EOF characters.

Task

Status

**Date
ready**

Release