Installation Instructions for Hot Fix K02002

Linux for x64

K02002 is a "container" hot fix that contains the following "member" hot fixes which will update the software components as indicated.

J71003 updates **SAS Detail Data Store for Insurance 5.5**
J98002 updates **SAS Firmwide Risk Management for Insurance Server 2.12**
J99002 updates **SAS Market Risk Management for Insurance Server 2.12**
K26002 updates **SAS Risk Management for Insurance Mid-Tier 2.12**
J97002 updates **SAS Risk Management for Insurance Server 2.12**
K22002 updates **SAS Risk Reporting Repository for Insurance 2.12**
K01002 updates **SAS Underwriting Risk Management for Life Insurance Server 2.12**
K21002 updates **SAS Underwriting Risk Management for P&C Insurance Server 2.12**

Before applying this hot fix, follow the instructions in SAS Note 35968 to generate a SAS Deployment Registry report, and then verify that the appropriate product releases are installed on your system. The software components and release numbers should match the list of software components updated by the individual hot fix installers.

The hot fix downloaded, K02002pt.zip, includes the updates required for all components listed above on all applicable operating systems. To apply this hot fix on multiple machines, you can either save K02002pt.zip on each machine or save it in a network location that is accessible to all machines.

Do NOT extract the contents of K02002pt.zip. The hot fix installation process will extract the contents as needed.

IMPORTANT NOTES

1. Files delivered in this hot fix will be backed up during the installation process. However, it is good general practice to back up your system before applying updates to software.

2. Take backups of all .spk files prior to importing newer versions or making any updates to the contents of an existing .spk file. This can be done by first logging into the SAS Management Console (SMC) using the Administrator (sasadm) user, navigating to the appropriate folder containing metadata and exporting the folder contents to a uniquely named .spk file.

3. Configurations and related uncompiled macro files for the following reports will be updated in this install. The reports have been migrated to the EIOPA provided CP 11 Final QRT templates:

BS-C1
BS-C1B
Country-K1
Cover-A1A
Cover-A1Q
G14
MCR-B4A
MCR-B4B
OF-B1A
OF-B1Q
Participations
Profit & Loss
RC
RE-J1 Basic
RE-J1 Shares
RE-J2 Basic
RE-J2 Shares
RE-J2 Group
RE-J3
RE-SPV
SCR-B2A
SCR-B2B
SCR-B2C
SCR-B3A
SCR-B3B
SCR-B3C
SCR-B3D
SCR-B3E
SCR-B3F
SCR-B3G
TP-E2
TP-E3
TP-E4
TP-E6
TP-E7A
TP-E7B
TP-F1
TP-F1Q
TP-F3
VA-C2A

4. Stored Process (STP) names and descriptions have been updated in the metadata for a few reports to align with changes per CP 9 and CP 11 Final EIOPA templates. These updates can be applied to the system by importing reports.spk. Details of the import process are available in the section Import updated .spk files.

5. If you need to retain previous versions of these files, they can be retrieved from backup locations as needed.

6. You must have Administrator Privileges on your CLIENT or SERVER machine.

7. All currently active SAS sessions, daemons, spawners and servers must be terminated before applying this hot fix.

8. This hot fix should be installed using the same userid that performed the initial software installation.

9. On UNIX systems, you may need to adjust file permissions on all new and updated files to meet with your sites security guidelines.

INSTALLATION

Hot Fix K02002 must be installed on each machine where the updated components of the product, listed above, are installed. During the installation process you may see references to all operating systems for which updates are provided in the hot fix. The installation process will determine the operating system and which component(s) of Risk Management for Insurance 2.12 require updating on the machine. See SAS Note 44810 for more details.

The hot fix will be applied using the SAS Deployment Manager (SDM). By default, the SDM will search in the *<SASHOME>/InstallMisc/HotFixes/New* directory for hot fixes to be applied, but will also prompt for a location if you have downloaded hot fixes to a different directory.

After downloading K02002pt.zip, follow the instructions for applying hot fixes in the **SAS Deployment Wizard and SAS Deployment Manager 9.3: User's Guide**.

The hot fix installation process generates the log file

<SASHOME>/InstallMisc/InstallLogs/IT_date-and-time-stamp.log
for example, IT_2011-10-31-13.18.21.log. Each attempt to apply a hot fix results in the creation of a new log file giving detailed information regarding the installation process.

Postexec log files are created after the installation is completed and identifies the files that were added, backed up, changed and removed. These log files include the 'member' hot fix id in the name of the file and are also written to the *<SASHOME>/InstallMisc/InstallLogs* directory. There is one postexec log for each 'member' hot fix applied (member hot fixes are listed at the top of these instructions).

The content of this hot fix is listed in the hot fix manifest. This completes the installation of K02002. You must perform any "Post-Installation Instructions" documented below to successfully complete the deployment of this hot fix.

POST-INSTALLATION INSTRUCTIONS

I.

The hotfix provides script files, copy_files.bat and copy_files.sh for Windows and Unix-based operating systems respectively to enable versioning at the SAS product configuration level. The files are located at:

WIN:

<SASHOME>\SASFoundation\9.3\rmicomnsvr\sasmisc\batch\hfscripts

UNIX:

<SASHOME>/SASFoundation/9.3/misc/rmicomnsvr/batch/hfscripts

Depending upon the operating system where the hotfix is installed, use a command prompt to change directory to the location of the appropriate script file above. Next, invoke the script file at the location and pass paths to the SASFoundation and SASCONFIG locations at the command line:

Note: Enclose within double quotes any path that contains spaces.

WIN: copy_files.bat <SASROOT> <SASCONFIG>

  e.g: copy_files.bat "C:/Program Files/SASHome/SASFoundation/9.3" "C:/SAS/Config/Lev1"

UNIX:

copy_files.sh <SASROOT> <SASCONFIG>

  e.g. copy_files.sh /install/SASHome/SASFoundation/9.3 /install/sas/Config/Lev1

Successful script execution will result in copying of all files from SASFoundation under rmicomnsvr, rmifirmmva, rmilifemva, rmimktmva and rmipcmva to their respective folders under <SASCONFIG>. Prior to copying, the script will move the existing source folders and their contents to a new folder named *source-pre-hf-K26002* on Windows and *source-pre-K26002* on UNIX.

Note: On UNIX systems, the script will actually copy files from SASFoundation to a directory, source-K26002 and create a 'source' symbolic link to point to that directory. You should verify that the directory and file permissions for the source-K26002 directory and files are in compliance with your site's security policy.

II.

For each product installed, click the link to be redirected to post-installation instructions.

J71003 updates **SAS Detail Data Store for Insurance 5.5**
J98002 updates **SAS Firmwide Risk Management for Insurance Server 2.12**
J99002 updates **SAS Market Risk Management for Insurance Server 2.12**
J97002 updates **SAS Risk Management for Insurance Server 2.12**
K22002 updates **SAS Risk Reporting Repository for Insurance 2.12**
K26002 updates **SAS Risk Management for Insurance Mid-Tier 2.12**
K01002 updates **SAS Underwriting Risk Management for Life Insurance Server 2.12**
K21002 updates **SAS Underwriting Risk Management for P&C Insurance Server 2.12**

J71003 for SAS Detail Data Store for Insurance 5.5

1. If you have existing DDS physical tables, take a backup of the data in a different location.

2. Following is the summary of the changes in this hot fix:

   Newly added tables:

   BUSINESS_ENTITY

   Updated tables:

   CONTRACT_SECTION_X_RI_CARRIER
   FINANCIAL_FUND

   Newly added columns:

Table Name	Column Name
BOND_INSTRUMENT	PRINCIPAL_EXCHANGE_FLG
	CONVERTIBLE_FLG
CEDED_LOSS	CEDED_LOSS_STATUS_CD
	CEDED_LOSS_STATUS_REASON_CD
	CEDED_LOSS_STATUS_CHANGE_DT
	CEDED_LOSS_AMT_CHANGE_DTTM
COUNTERPARTY	MIN_CAPITAL_REQ_FLG
	SINGLE_NAME_EXPOSURE_FLG
FINANCIAL_ACCOUNT	PREPMT_PSA_SPEED_RT
FINANCIAL_POSITION	CUSTODIAN_COUNTERPARTY_RK
SECURITIZATION_POOL	RESECURITIZATION_FLG

CONTRACT_SECTION_X_RI_CARRIER	ANNOTATION_TXT
FINANCIAL_FUND	PROFIT_PARTICIPATION_PCT
XI_LAYER_X_RI_CARRIER	ANNOTATION_TXT

Columns with changed attributes:

Table Name	Column Name
ACCOUNT_PERIOD_ASSOC	ORDER_NO
CURRENCY_CONVERSION_RATE	CONVERSION_RT
FINANCIAL_INSTRUMENT	FINANCIAL_INSTRUMENT_NM
FUND_INSTRUMENT	LEVEL_OF_LOOKTHROUGH_CD
MARKET_DATA	DATA_DTTM
REINSURANCE_CONTRACT	CEDENTS_CONTRACT_ID
REINSURANCE_CONTRACT_SECTION	MAX_COVER_PER_RISK_EVENT
UNIT_OF_MEASURE	UOM_TYPE_DESC

3. If you already have existing DDS physical tables, execute the ddls of the tables that have undergone changes as mentioned in point 2 above from the *<SASHOME>/SASFoundation/9.3/misc/insurancedds/insurancedds_5.5/ddl/sas* folder.

4. If you do not have existing DDS physical tables, execute the *ddlgen.sas* file present in *<SASHOME>/SASFoundation/9.3/misc/insurancedds/insurancedds_5.5/ddl/sas* folder.

5. If you already have existing DDS physical tables, migrate data for those tables that are updated in this hot fix.

6. Copy the files present in *<SASHOME>/SASFoundation/9.3/misc/insurancedds/insurancedds_5.5/metadata* folder to a location that can be accessed by DI studio client.

7. Open DI studio and logon as unrestricted user.

8. If you have existing metadata for DDS, backup the same.

9. If you do not have existing metadata for DDS 5.5, import *insurancedds_55_sas.spk, insurancedds_55_hf1_sas.spk* and *insurancedds_55_hf2_sas.spk* followed by *insurancedds_55_hf3_sas.spk*.

10. If you have existing metadata for DDS 5.5, import *insurancedds_55_hf1_sas.spk* and *insurancedds_55_hf2_sas.spk* followed by *insurancedds_55_hf3_sas.spk*.

11. If you have existing metadata for DDS 5.5 and hot fix 1, import *insurancedds_55_hf2_sas.spk* followed by *insurancedds_55_hf3_sas.spk*.

12. If you have existing metadata for DDS 5.5 and hot fix 1 and hot fix 2, import *insurancedds_55_hf3_sas.spk*.

13. For third party databases, the corresponding ddl and SAS package files can be used for applying the hot fix.

- DDLs for third party databases are available at *<SASHOME>/SASFoundation/9.3/misc/insurancedds/insurancedds_5.5/ddl/<database name>/*
  DB2: *d2ddl.sas*
  Oracle:orddlgen.sas
  Teradata:teradata/trddl.sas

- SAS package files for third party databases are available at *<SASHOME>/SASFoundation/9.3/misc/insurancedds/insurancedds_5.5/metadata/*
DB2:	*IAA55: insurancedds_55_db2.spk*
	IAA55 hf1: insurancedds_55_hf1_db2.spk
	IAA55 hf2: insurancedds_55_hf2_db2.spk
	IAA55 hf3: insurancedds_55_hf3_db2.spk
Oracle:	*IAA55: insurancedds_55_oracle.spk*
	IAA55hf1: insurancedds_55_hf1_oracle.spk
	IAA55 hf2: insurancedds_55_hf2_oracle.spk
	IAA55 hf3: insurancedds_55_hf3_oracle.spk
Teradata:	*IAA55: insurancedds_55_teradata.spk*
	IAA55hf1: insurancedds_55_hf1_teradata.spk
	IAA55hf2: insurancedds_55_hf2_teradata.spk
	IAA55hf3: insurancedds_55_hf3_teradata.spk

For detailed instructions on creating physical table and importing metadata, please refer to *SAS® Detail Data Store for Insurance 5.5.*

Notes:
1. For third party databases, if DDS physical tables already exist, then
   o Backup data from tables that have undergone changes as mentioned in point 2 above.
   o Drop the physical tables.
   o Execute the table creation macro (d2ddl.sas / orddlgen.sas / trddl.sas based on database), keeping list of only the tables mentioned in point 2.

J98002 for SAS Firmwide Risk Management for Insurance Server 2.12

NONE

J99002 for SAS Market Risk Management for Insurance Server 2.12

NONE

J97002 for SAS Risk Management for Insurance Server 2.12

Import updated *.spk* files:

1. Backup existing metadata.

2. Import delivered SPK files using SAS MC Import/Export SAS Package wizard

    a. **Import updated *analysis.spk* for Firmwide Risk Server 2.12**

        i. Login to SAS Management Console (SMC) as the Administrator (sasadm) user
        ii. Click on the Folders tab
        iii. Navigate to the folder *Analysis* under System -> Applications -> SAS Risk Management for Insurance -> Firmwide Risk Server 2.12.
        iv. Depending on whether or not K02001 is already installed, follow the steps in the appropriate section below followed by those in the **Common Steps** section to complete the import.

        <u>**K02001 installed**</u>

        v. Select the STP, BALANCE_SHEET, right-click and select Delete. Ensure that the STP is deleted from the Analysis folder.
        vi. Next, right-click on the *Analysis* folder and select **Import SAS Package** from the menu
        vii. Browse to *<SASHOME>/SASFoundation/9.3/misc/rmifirmmva/Config/Deployment /Packages* and select the *analysis.spk* file.
        viii. Select the radio button for **New Objects Only** and click Next. You should see two new STPs, AVAILABLE_OWN_FUND and NLIFE_CAT_LOSS in the next window.
        ix. Now, proceed with the **Common Steps** x. through xv.

        <u>**K02001 not installed**</u>

        v. Select all the STPs, right-click and select Delete. Ensure that all STPs have been deleted from the Analysis folder. The reason these STPs need to be deleted is that a parameter, RR_INPUTS has been added to most of the STPs. The parameter can be seen by expanding the System parameter group on the Parameters tab.
        vi. Next, right-click on the *Analysis* folder and select **Import SAS Package** from the menu

vii. Browse to *<SASHOME>/SASFoundation/9.3/misc/rmifirmmva/Config/Deployment /Packages* and select the *analysis.spk* file.
viii. Select the radio button for **All Objects** and click Next.
ix. Now, proceed with the **Common Steps** x. through xv.

Common Steps

x. You should see a list of STPs in the window. Click Next and then Next again.
xi. Ensure that you have the correct mappings for the SAS Application Servers. Click Next.
xii. On this screen, map source code repositories between original and target application servers. Choose the path to the <SASCONFIG>/Applications/SASRiskManagementForInsurance/2.12/so urce/firmwide/sasstp folder. Click Next.
xiii. Review the Summary information and click Next if correct. Otherwise, click on the Back buttons to make necessary corrections in earlier steps.
xiv. The next screen should show that the import was completed. Click the View Log button and scan the log for any errors. If the import was successful, you should see messages such as "The import process completed successfully" in the log.
xv. Click Ok and then Finish.

b. **Import updated *analysis.spk* for Life Risk Server 2.12 (not required if K02011 already installed)**

i. Login to SAS Management Console (SMC) as the Administrator (sasadm) user
ii. Click on the Folders tab
iii. Navigate to the folder Analysis under System -> Applications -> SAS Risk Management for Insurance -> Life Risk Server 2.12
iv. Select all the STPs, right-click and select Delete. Ensure that all STPs have been deleted from the Analysis folder. The reason these STPs need to be deleted is that a parameter, RR_INPUTS has been added to most of the STPs. The parameter can be seen by expanding the System parameter group on the Parameters tab.
v. Next, right-click on the Analysis folder and select Import SAS Package from the menu
vi. Browse to <SASHOME>/SASFoundation/9.3/rmilifemva/sasmisc/Config/Deployme nt/Packages and select the analysis.spk file.
vii. Select the radio button for **All Objects** and click Next
viii. You should see a list of STPs in the window. Click Next and then Next again.

ix.   Ensure that you have the correct mappings for the SAS Application Servers. Click Next.

x.   On this screen, map source code repositories between original and target application servers. Choose the path to the <SASCONFIG>/Applications/SASRiskManagementForInsurance/2.12/source/life/sasstp folder. Click Next.

xi.   Review the Summary information and click Next if correct. Otherwise, click on the Back buttons to make necessary corrections in earlier steps.

xii.   The next screen should show that the import was completed. Click the View Log button and scan the log for any errors. If the import was successful, you should see messages such as "The import process completed successfully" in the log.

xiii.   Click Ok and then Finish.

c.   Import updated *analysis.spk* for Market Risk Server 2.12 (not required if K02011 already installed)

i.   Login to SAS Management Console (SMC) as the Administrator (sasadm) user

ii.   Click on the Folders tab

iii.   Navigate to the folder Analysis under System -> Applications -> SAS Risk Management for Insurance -> Market Risk Server 2.12

iv.   Select all the STPs, right-click and select Delete. Ensure that all STPs have been deleted from the Analysis folder. The reason these STPs need to be deleted is that a parameter, RR_INPUTS has been added to most of the STPs. The parameter can be seen by expanding the System parameter group on the Parameters tab.

v.   Next, right-click on the Analysis folder and select Import SAS Package from the menu

vi.   Browse to <SASHOME>/SASFoundation/9.3/misc/rmimktmva/Config/Deployment/Packages and select the analysis.spk file.

vii.   Select the radio button for **All Objects** and click Next

viii.   You should see a list of STPs in the window. Click Next and then Next again.

ix.   Ensure that you have the correct mappings for the SAS Application Servers. Click Next.

x.   On this screen, map source code repositories between original and target application servers. Choose the path to the <SASCONFIG>/Applications/SASRiskManagementForInsurance/2.12/source/market/sasstp folder. Click Next.

xi.   Review the Summary information and click Next if correct. Otherwise, click on the Back buttons to make necessary corrections in earlier steps.

xii.   The next screen should show that the import was completed. Click the View Log button and scan the log for any errors. If the import was

successful, you should see messages such as "The import process completed successfully" in the log.

xiii. Click Ok and then Finish.

d. Import updated *analysis.spk* for Property Casual Risk Server 2.12 (not required if K02011 already installed)

i. Login to SAS Management Console (SMC) as the Administrator (sasadm) user

ii. Click on the Folders tab

iii. Navigate to the folder Analysis under System -> Applications -> SAS Risk Management for Insurance -> Property Casual Risk Server 2.12

iv. Select all the STPs, right-click and select Delete. Ensure that all STPs have been deleted from the Analysis folder. The reason these STPs need to be deleted is that a parameter, RR_INPUTS has been added to most of the STPs. The parameter can be seen by expanding the System parameter group on the Parameters tab.

v. Next, right-click on the Analysis folder and select Import SAS Package from the menu.

vi. Browse to <SASHOME>/SASFoundation/9.3/misc/rmipcmva/Config/Deployment/P ackages and select the analysis.spk file.

vii. Select the radio button for **All Objects** and click Next.

viii. You should see a list of STPs in the window. Click Next and then Next again.

ix. Ensure that you have the correct mappings for the SAS Application Servers. Click Next.

x. On this screen, map source code repositories between original and target application servers. Choose the path to the <SASCONFIG>/Applications/SASRiskManagementForInsurance/2.12/so urce/nonlife/sasstp folder. Click Next.

xi. Review the Summary information and click Next if correct. Otherwise, click on the Back buttons to make necessary corrections in earlier steps.

xii. The next screen should show that the import was completed. Click the View Log button and scan the log for any errors. If the import was successful, you should see messages such as "The import process completed successfully" in the log.

xiii. Click Ok and then Finish.

e. Import updated *reports.spk* for the RMI Common Server component

i. Login to SAS Management Console (SMC) as the Administrator (sasadm) user

ii. Click on the Folders tab

iii. Navigate to the folder *Reports* under System -> Applications -> SAS Risk Management for Insurance -> Risk Management for Insurance Server 2.12

iv.   Select all the *Reports*, right-click and select Delete. Ensure that all *Reports* have been deleted from the Reports folder.

v.   Next, right-click on the Reports folder and select **Import SAS Package** from the menu

vi.   Browse to *<SASHOME>/SASFoundation/9.3/misc/rmicomnsvr/Config/Deployment/ Packages* and select the *reports.spk* file.

vii.   Select the radio button for **All Objects** and click Next

viii.   You should see a list of *Reports* in the window. Click Next and then Next again.

ix.   Ensure that you have the correct mappings for the SAS Application Servers. Click Next.

x.   On this screen, map source code repositories between original and target application servers. Choose the path to the <SASCONFIG>/Applications/SASRiskManagementForInsurance/2.12/so urce/common/sasstp folder. Click Next.

xi.   Review the Summary information and click Next if correct. Otherwise, click on the Back buttons to make necessary corrections in earlier steps.

xii.   The next screen should show that the import was completed. Click the View Log button and scan the log for any errors. If the import was successful, you should see a message such as "The import process completed successfully" in the log.

xiii.   Click Ok and then Finish.

xiv.   If required, selectively import metadata from the backup SPK (refer to Step 1) for only those QRTs that were customized earlier and are not delivered in the hot fix.

f.   Import updated *utilities.spk* for the RMI Common Server component

i.   Login to SAS Management Console (SMC) as the Administrator (sasadm) user

ii.   Click on the Folders tab

iii.   Navigate to the folder *Utilities* under System -> Applications -> SAS Risk Management for Insurance -> Risk Management for Insurance Server 2.12

iv.   Right-click on the Utilities folder and select **Import SAS Package** from the menu

v.   Browse to *<SASHOME>/SASFoundation/9.3/misc/rmicomnsvr/Config/Deployment/ Packages* and select the *utilities.spk* file.

vi.   Select the radio button for **New Objects Only** and click Next

vii.   You should see a new STP, **BSC1** in the window. Click Next and then Next again.

viii.   Ensure that you have the correct mappings for the SAS Application Servers. Click Next.

ix. On this screen, map source code repositories between original and target application servers. Choose the path to the <SASCONFIG>/Applications/SASRiskManagementForInsurance/2.12/source/common/sasstp folder. Click Next.

x. Review the Summary information and click Next if correct. Otherwise, click on the Back buttons to make necessary corrections in earlier steps.

xi. The next screen should show that the import was completed. Click the View Log button and scan the log for any errors. If the import was successful, you should see a message such as "The import process completed successfully" in the log.

xii. Click Ok and then Finish.

xiii. If required, selectively import metadata from the backup SPK (refer to Step 1) for only those STPs that were customized earlier and are not delivered in the hot fix.

g. **Import updated *rmi_etl_bridge_212_hf2.spk* for the RMI Solution Data Mart (SDM) ETL jobs**

i. Following is the summary of newly added, modified and excluded jobs in this hot fix:

Newly added jobs:

None.

Modified Jobs:

- RMI_INT_100_I_COUNTERPARTY
- RMI_INT_100_I_COUNTERPARTY_CREDIT_ASSESSMENT
- RMI_STG_210_COVERED_PERILS
- RMI_STG_210_FINANCIAL_FUND
- RMI_STG_210_GENERAL_INSURANCE_SUBJECT
- RMI_STG_210_RI_CARRIER_X_RI_CONTRACT_SECTN
- RMI_STG_210_RI_CARRIER_X_XL_LAYER
- RMI_STG_230_CDO_INSTRUMENT
- RMI_STG_230_COUNTERPARTY
- RMI_STG_230_COUNTERPARTY_RATINGS
- RMI_STG_230_DISCRETE_CARRYING_COST
- RMI_210_INTERNAL_ORG_ASSOC

Excluded Jobs (due to deprecated SDM tables)**:**

- RMI_STG_210_CEDED_EXPOSURE
- RMI_STG_210_COUNTERPARTY_X_RI_TREATY
- RMI_STG_210_RATE_PARAM_GROUP
- RMI_STG_210_REINSURANCE_TREATY

ii. If you already have existing RMI 2.12 ETL jobs, import the

rmi_etl_bridge_212_hf2.spk file from
<SASHOME>/SASRiskManagementForInsuranceMidTier/2.12/ETL
folder as explained below.

Note: If RMI 2.12 ETL does not exist, first import *rmi_etl_bridge.spk*
from the same location.

A. Login to SAS DI Studio as the Administrator (sasadm) user
B. Click on the Folders tab
C. Navigate to the folder, Products
D. Right-click on the Products folder and select Import SAS Package
   from the menu
E. Browse to /SASRiskManagementForInsuranceMidTier/2.12/ETL
   and select the *rmi_etl_bridge_212_hf2.spk* file.
F. Select the radio button for All Objects and click Next.
G. Select the objects to Import and click Next
H. Click Next on 'About metadata connections' Screen
I. Select the target libraries that correspond to original libraries. Click
   Next
J. Select the target tables that correspond to original tables. Click
   Next.
K. Ensure that you have the correct mappings for the SAS Application
   Servers. Click Next.
L. Review the Summary information and click Next.
M. The next screen should show that the import was completed. Click
   the View Log button and scan the log for any errors. If the import
   was successful, you should see a message such as "The import
   process completed successfully" in the log
N. Click Ok and then Finish.
O. Open the Job 'RMI_STG_210_INTERNAL_ORG_ASSOC'
   present under Products→SAS Risk Management for
   Insurance→RMI 2.12→Staging Data Mart→Jobs
P. In the RMI_STG_210_INTERNAL_ORG_ASSOC job diagram,
   right click the work table of Extract 1.
Q. Click Properties.
R. Click Physical Storage tab.
S. Change the Location from 'Job's default library for temporary
   tables' to 'Standard temporary library (SAS Work)'.
T. Click Ok.
U. Go to File menu, click 'Save' to save the changes.
V. Close the job 'RMI_STG_210_INTERNAL_ORG_ASSOC'.
W. Execute the below code in DI Studio to delete the metadata for
   physically removed tables/ columns.

The code below will synchronize table/column metadata as per physical
structures.

(Assumption: All DDLs for current hot fix have been executed.)

In DI Studio, start the code editor from "Tools" menu and execute below code with appropriate values of parameters.

Options metapass="<password for metadata user>"
metaport=<port number>
metaprotocol=bridge
metarepository="foundation"
metaserver="<metadata server>"
metauser="<metadata user id>";

proc metalib;
omr (library="RMI Staging" repname="foundation");
update_rule (delete noadd);
report;
run;

3. If required, selectively import metadata from the backup SPK (refer to Step 1) for only those QRTs that were customized earlier and are not delivered in the hot fix.

Follow the steps below to regenerate the Solution Data Mart (SDM):

1. Locate the *create_solution_data_mart.sas* file in your install: in a typical install, the macro resides under *<SASCONFIG>/Applications/common/solution_data_mart*

2. Open the *create_solution_data_mart.sas* file in a BASE SAS session on the installation server (where the SAS code resides)

3. Scroll to the bottom of the macro file and comment out the following line:

%create_solution_data_mart(
soln_data_mart_dir=&sysparm,
fca_c_lib_nm=FINCAD_Suite_32_2011,
fea_c_lib_nm=intrlib,
run_tps_fincad_flag=N,
run_tps_fea_flag=N);

4. Compile the macro in the SAS session by clicking the **Submit** button on the menu

5. After successful compilation, execute the following macro below:

%create_solution_data_mart(soln_data_mart_dir=<complete path to *indata* directory in your install>);

Example of indata path:
<CONFIGDIR>/AppData/SASRiskManagementForInsurance/2.12/indata

6. Check the SAS log for successful execution of the preceding macro.
   In addition, complete the following to recreate any shared entity data marts and user directories.

7. Delete all user folders found in <SASCONFIG>/AppData/SASRiskManagementForInsurance/2.12/data/userdata

8. Login to **Risk Management for Insurance 2.12**

9. Select **File > Select Entity**, choose an entity from the list, and click **OK**.

10. Re-create the shared data mart for that entity.

    Select **File > Manage Shared Data Mart** from the menu and click **Delete**, then click **Create** in the same **Manage Shared Data Mart** window.

11. Repeat steps 8 and 9 for each Entity.

K22002 for SAS Risk Reporting Repository for Insurance 2.12

Data model changes have been made to the SAS Risk Reporting Repository for Insurance. You must update the structures of the private RRR location and Shared location.

NB: Some tables and/or columns have been removed from the model. The files for these structures may still exist on your installation due to the delivery mechanism; however, code has been added to ignore the pre-existing files when necessary.

NB: If the SDM has been recreated in the previous section, the structures of the Private locations will be automatically updated with the latest reportmart structure. If the SDM has not been recreated, then the following methods can be applied to both the private and shared locations depending on the state of your installation to update the reportmart to the latest structure.

Updating via the provided sample data:

If a given reportmart location has not been updated by another process, creating the shipped reportmart sample data in a given location will install the data model changes.

The shipped sample data scripts already contain the updates in the RRR data model/formats. If you would like to utilize the shipped RMI sample data for the RRR without maintaining existing data, create the RRR sample data using the following steps.

Note: The sample data creation script does not depend on the version of the original RRR that is being overwritten. This script will overwrite the existing data and data model. For example, if you are have the RRRI 212 version of the RRR and are installing the RRR hotfix, by creating the shipped sample data you do not need to install the "sample data for the previous release". The shipped sample data is a snapshot of the given version.

Submit the following code with your installation specific information:

options metauser="<username>" metapass="<password>" metaserver="<server_name>" metaport=<port_number> metarepository="Foundation";

%rmiinit;
%rmi_batch_create_rrr_sample_data(ENTITY=MAIN,USERNAME=<username>,SCOPE=P);

* If you need to install the reportmart sample data to the Global RRR with the sample data script, you must submit the following code with the additional information and changes:

%let rrr_user=<username>;
%let rrr_password=<Password>;

options metauser="<username>" metapass="<password>" metaserver="<server_name>" metaport=<port_number> metarepository="Foundation";
%rmiinit;
%rmi_batch_create_rrr_sample_data(ENTITY=MAIN,USERNAME=<username>,SCOPE=S);

NOTE: It is <u>not recommended</u> that you use this process on the Global RRR unless you are absolutely certain of your specific installation needs. The script, as shown above, deletes the Global RRR and replaces the location with the new version of the RRR with the shipped sample data ONLY. All data in the Global location will be lost using this process.

K26002 for SAS Risk Management for Insurance Mid-Tier 2.12

Re-build and Re-deploy Web Application

This hot fix requires that the Web Application be rebuilt and redeployed. Use the following steps to perform this post-installation task:

Step 1: Re-build Web Application

In order for this step to execute correctly, the Metadata Server must be running.

1.1 Invoke the SAS Deployment Manager 9.3

From the SASDeploymentManager directory, launch the *sasdm* executable

SAS Deployment Manager is installed in the following default location:
<SASHOME>/SASDeploymentManager/9.3

1.2 Select a language in the *Choose Language* box

1.3 Select Rebuild Web Applications

1.4 Select Configuration Directory or Enter the Configuration Directory and Level that needs to be updated

1.5 Specify Connection Information, including the *sasadm* User ID and Password

1.6 Select *Risk Management for Insurance* as theWeb Application to Rebuild

1.7 Verify the information on the Summary screen and select Start

1.8 Select Finish when the deployment is complete

This process will update the *Risk Management for Insurance* ear in *<SASCONFIGDIR>/Web/Staging*.

A backup of the original ear file will be placed in the directory below: *<SASCONFIGDIR>/Web/Staging/Backup*

Step 2: Re-deploy Web Applications

Re-deploy the web applications based on the instructions for the web application server you are using.

K01002 for SAS Underwriting Risk Management for Life Insurance Server 2.12

NONE

K21002 for SAS Underwriting Risk Management for P&C Insurance Server 2.12

NONE

This completes the installation of hot fix **K02002** on **Linux for x64**.