Installation Instructions for Hot Fix F90013

Windows for x64

NOTE: Both F90013 and F12014 hot fixes must be installed using the information provided below.

F12014 is a stand-alone hot fix for **SAS Risk Management for Insurance Server 2.1_M1.**

F90013 is a "container" hot fix that contains the following "member" hot fixes that will update the software components as indicated. See the *Container Hot Fixes* section in the Maintenance Install Tool (MIT) Usage Guide for more information about container hot fixes.

G55011 for **SAS Detail Data Store for Insurance 5.4_M1**
F88013 for **SAS Firmwide Risk Management for Insurance Server 2.1_M1**
F89013 for **SAS Market Risk Management for Insurance Server 2.1_M1**
G54011 for **SAS Risk Reporting Repository 1.4_M1**
F92013 for **SAS Underwriting Risk Management for Life Insurance Server 2.1_M1**
F91013 for **SAS Underwriting Risk Management for P&C Insurance Server 2.1_M1**
G61010 for **SAS Risk Management for Insurance Mid-Tier 2.1_M1**

Before applying these hot fixes, 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.

IMPORTANT NOTES

1. Hot fix **F04002** for SAS Risk Dimensions 5.3_M1 is required prior to installing this hot fix.

    http:\\ftp.sas.com\techsup\download\hotfix\HF2\F04.html#F04002

2. It is advised to install also Hot fix **C63005** for SAS Data Integration Studio 4.2. There have been reports of missing job properties when importing the DIRR DI job package (see further)

    http:\\ftp.sas.com\techsup\download\hotfix\HF2\B51.html#41044

3. 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.

4. When applying these hot fixes, you **MUST use the -silent and the -alwaysoverwrite** options. ANY customizations that may have been made to files included in the hot fix will be lost. The hot fix installer will automatically back up files for you. After the hot fix has been installed, use the backup copies to merge any of the customizations that you wish to retain. Links to manifests are provided in the section below to assist in determining which files will be overwritten.

5. 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.

6. Configurations and related uncompiled macro files for the following reports will be updated in this install:

- ASSETS-D1
- ASSETS-D1Q
- ASSETS-D1S
- ASSETS-D2O
- ASSETS-D2T
- ASSETS-D3
- ASSETS-D4
- ASSETS-D5
- ASSETS-D6
- BS- C1
- BS-C1D
- DurLiab
- Country-K1
- Cover-A1A
- Cover-A1Q
- G01
- G03
- G04
- IGT1
- IGT2
- IGT3
- IGT4
- Lapses
- MCR-B4A
- MCR-B4B
- OF-B1Q
- P&L
- RC
- RE-J1 Basic
- RE-J1 Shares
- RE-J2 Basic
- RE-J2 Shares
- REJ2 Group
- RE-J3
- RE-SPV
- SCR-B2A

- SCR-B2A_B2C
- SCR-B2B
- SCR-B2C
- SCR-B3A
- SCR-B3B
- SCR-B3C
- SCR-B3D
- SCR-B3E
- SCR-B3G
- TP-E1
- TP-E1Q
- TP-E2
- TP-E3
- TP-E4
- TP-E6
- TP-E7A
- TP-E7B
- TP-F1
- TP-F1Q
- TP-F2
- TP-F3
- TP-F3A
- TP-F3B
- TP-F4
- VA-C2A
- VA-C2B
- VA-C2C

The following reports from the above list have been migrated to the EIOPA provided CP 11 Final QRT templates:

- Assets-D1
- Assets-D1Q
- Assets-D1S
- Assets-D2O
- Assets- D2T
- Assets-D3
- Assets-D4
- Assets-D5
- Assets-D6
- BS- C1
- BS-C1D
- Country-K1
- Cover-A1A
- Cover-A1Q
- DurLiab

- G01
- G03
- G04
- IGT1
- IGT2
- IGT3
- IGT4
- Lapses
- MCR-B4A
- MCR-B4B
- OF-B1Q
- P&L
- RC
- RE-J1 Basic
- RE-J1 Shares
- RE-J2 Basic
- RE-J2 Shares
- RE-J2 Group
- RE-J3
- SCR-B2A
- SCR-B2A_B2C
- SCR-B2B
- SCR-B2C
- SCR-B3A
- SCR- B3C
- SCR-B3E
- SCR-B3G
- TP-E1
- TP-E1Q
- TP-E2
- TP-E3
- TP-E4
- TP-E7A
- TP-E7B
- TP-F1
- TP-F1Q
- TP-F2
- TP-F3
- TP-F3A
- TP-F3B
- TP-F4
- VA-C2B
- VA-C2C

The following reports, if already existing on your system will not be available after this install as the reports have been dropped from the CP 11 Final QRT templates by EIOPA.

Metadata and configurations for the reports have been removed:

- Cover-A1
- C2_ANALYSIS_LF
- C2_ANALYSIS_NL
- C2_SUMMARY
- G10
- G15
- G20
- G30
- IGT5
- IGT6
- TP-E5
- TP-E7
- VA-C2D

Following reports were added \ updated in the metadata per CP9 and CP 11 Final EIOPA QRT lists:

- Assets-D1Q
- Assets-D1S
- Assets-D2O
- Assets- D2T
- Cover-A1A
- Cover-A1Q
- Duration liabilities
- Lapses
- Participations
- P&L Sharing
- RE-J1 Basic
- RE-J1 Shares
- RE-J2 Basic
- RE-J2 Shares
- SCR_B2A_B2C
- TP-E7A
- TP-E7B
- VA-C2A
- VA-C2B
- VA-C2C

The following reports from the above list have been added as per the EIOPA provided CP 13 templates:

- Assets-D1
  - S0602A
  - S0602B

- o S0602F
- o S0602G
- Assets-D2O
  - o S0801A
  - o S0801B
  - o S0801F
  - o S0801G
- Own funds B1A
  - o S2301B
  - o S2301G
- Own Funds B1Q
  - o S2301A
  - o S2301F
- BS-C1
  - o S0201A
  - o S0201B
  - o S0201F
  - o S0201G
- BI (basic information)
  - o S0102A
  - o S0102B
  - o S0102F
  - o S0102G
- SCR-B3G
  - o S2606B
  - o S2606G
  - o S2606L
  - o S2606N
- SCR-B3B
  - o S2602B
  - o S2602G
  - o S2602L
  - o S2602N
- TP-E1
  - o S1701B
- TP-E1Q
  - o S1701A
- SCR-B3D
  - o S2604B
  - o S2604G
  - o S2604L
  - o S2604N
- SCR-B3C
  - o S2603B
  - o S2603G
  - o S2603L

- o S2603N
- SCR-B3A
  - o S2601B
  - o S2601G
  - o S2601L
  - o S2601N
- MCR-B4A
  - o S2801A
  - o S2801B
- MCR-B4B
  - o S2802A
  - o S2802B
- SCR-B3E
  - o S2605B
  - o S2605G
  - o S2605L
  - o S2605N
- SCR-B2A
  - o S2501B
  - o S2501B
  - o S2501L
  - o S2501N
- SCR-B3F
  - o S2701B
  - o S2701G
  - o S2701L
  - o S2701N
- SCR-B2B
  - o S2502B
  - o S2502G
- SCR-B2C
  - o S2503B
  - o S2503G
- G01
  - o S3201G
- G03
  - o S3301G
- G04
  - o S3401G
- G14
  - o S3501G
- BS-C1D
  - o S0202B
- TP-F1Q
  - o S1201A
- TP-F1

- o S1201B
- Content
  - o S0101A
  - o S0101B
  - o S0101F
  - o S0101G
- Validation report

Stored Process (STP) names and descriptions have been updated in the metadata for a large majority of the 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 and reports_cp13.spk. Details of the import process are available in the section **Import updated .spk files**.

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

7. As part of this install, support for XBRL reporting has been added. In order to support this feature, the following changes have been introduced inin the static directory:

Newly added table:
- XBRL_CONFIGURATION

Deprecated tables

- XBRL_COMPLEXTYPE
- XBRL_COMPLEXTYPE_ENUMERATION
- XBRL_DIMENSION
- XBRL_FACTELEMENTS
- XBRL_FMT
- XBRL_REPORT
- XBRL_SCHEMA

Columns for the newly added table:

Table Name	Column name

XBRL_CONFIGURATION	CONFIG_SET_ID
	VALID_FROM_DTTM
	XBRL_CONFIG_NM
	VALID_TO_DTTM
	XBRL_CONFIG_VALUE
	XBRL_CONFIG_DESC

New columns added to existing tables:

Table Name	Column name
REPORT_CONFIGURATION	FREQUENCY_CD
	XBRL_FILING_ID
REPORT_FACT_DATA_MAP	REPORT_CELL_ID
REPORT_DS_STRUCTURE	REPORT_CELL_ID

8. You must have Administrator Privileges on your CLIENT or SERVER machine.
9. All currently active SAS sessions, daemons, spawners and servers must be terminated before applying this hot fix.
10. This hot fix should be installed using the same userid that performed the initial software installation.
11. On UNIX systems, you may need to adjust file permissions on all new and updated files to meet with your sites security guidelines.
12. Before commencing the installation, please check the RMI wiki for any post release PUP14 updates: http://smteam.sas.com/psd/rmi/phoenix/RMI%20wiki/Product%20Update%20Pack%2014.aspx

INSTALLATION

This hot fix must be installed on each machine where the updated components of the product, listed above, are installed. The installation process will determine which components of *SAS Risk Management for Insurance 2.1_M1* are installed on each machine, and apply the appropriate updates.

If the updated components of this product are installed on multiple operating systems, you must download the hot fix for the appropriate operating system(s) and follow the installation instructions provided to complete the deployment of this hot fix.

The installer downloaded is *F90013x6.exe*.

When downloading SAS 9.2 hot fix packages, you must choose to *Save* the hot fix to disk, and

then execute the install from the saved location. Attempting to install a hot fix directly from the download page results in the error documented in SAS Note 37104.

- To install this hot fix execute:
  F90013x6.exe using both the *-alwaysoverwrite* and *–silent* options.
  F12014x6.exe using both the *-alwaysoverwrite* and *–silent* options.

This will initiate the installation wizard, which will guide you through the hot fix installation process.

Note: If your Windows operating system is Windows Vista, Windows 7 or Windows Server 2008, it may be necessary to install with the "Run as administrator" option. Within the Start menu's Accessories folder, right-click the Command Prompt shortcut, and select "Run as Administrator" option. Next execute F90013x6.exe using the -alwaysoverwrite option.

See the Maintenance Install Tool (MIT) Usage Guide for more details on the installation of hot fixes. The content of this hot fix is listed in the hot fix manifest. This completes the installation of F90013 and F12014. You must perform any "Post-Installation Instructions" documented below to successfully complete the deployment of this hot fix.

POST-INSTALLATION INSTRUCTIONS

G55011 for **SAS Detail Data Store for Insurance 5.4_M1**
F88013 for **SAS Firmwide Risk Management for Insurance Server 2.1_M1**
F89013 for **SAS Market Risk Management for Insurance Server 2.1_M1**
F12014 for **SAS Risk Management for Insurance Server 2.1_M1**
G54011 for **SAS Risk Reporting Repository 1.4_M1**
F92013 for **SAS Underwriting Risk Management for Life Insurance Server 2.1_M1**
F91013 for SAS Underwriting Risk Management for P&C Insurance Server
G61010 for SAS Risk Management for Insurance Mid-Tier 2.1_M1

G55011 for SAS Detail Data Store for Insurance 5.4_M1

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:

- ACCOUNTING_TRANS
- ACCOUNTING_TRANS_LINE_ITEM
- ACCOUNT_PERIOD
- ACCOUNT_PERIOD_ASSOC
- ASSET_PORTFOLIO_SEGMENT

- ASSET_SEGMENT_X_EXPOSURE
- BUSINESS_ENTITY
- CEDED_LOSS
- CLAIM_INJURED
- CLAIM_UNIT_X_INJURED
- CONTRACT_SECTION_X_RI_CARRIER
- CREDIT_FACILITY_CR_MITIGANT
- CURRENCY_CONVERSION_RATE
- EXPOSURE_PLEDGED
- EXTERNAL_ORG_INDUSTRY_CLASS
- FRA_INSURMENT_LEG
- GL_SEGMENT_BALANCE
- GL_SEGMENT_PARAMETER
- GL_SEGMENT_PARAM_GROUP
- REINSURANCE_COLLATERAL
- REINSURANCE_CONTRACT
- REINSURANCE_CONTRACT_SECTION
- REINSURANCE_COVERAGE
- REINSURANCE_COVERAGE_REFERENCE
- REINSURANCE_INTERMEDIARY
- REINSURANCE_PROGRAM
- REINSURANCE_RATE
- REINSURANCE_REINSTATEMENT
- RISK_DRIVER
- RISK_DRIVER_X_EXPOSURE
- RI_TRANS_X_CEDED_LOSS
- SUB_LEDGER
- SUB_LEDGER_BALANCE
- TRADE
- XL_LAYER
- XL_LAYER_X_RI_CARRIER

Newly added columns:

Table Name	Column Name
ASSET_SEGMENT_X_EXPOSURE	FINANCIAL_POSITION_RK
BOND_INSTRUMENT	PRINCIPAL_EXCHANGE_FLG CONVERTIBLE_FLG
CEDED_LOSS	CEDED_LOSS_AMT_CHANGE_DTTM
CLAIM_UNIT	CLAIM_UNIT_CURRENCY_CD RECOVERY_ESTIMATED_AMT RECOVERY_RECEIVED_AMT APPLICATION_RK
COMML_PROP_DETAILS	APPLICATION_RK
COMML_VEHICLE_DETAILS	CEDED_LOSS
CONTRACT_SECTION_X_RI_CARRIER	ANNOTATION_TXT
CONVERSION_SCHEDULE	VALID_FROM_DTTM VALID_TO_DTTM
COUNTERPARTY	MIN_CAPITAL_REQ_FLG SINGLE_NAME_EXPOSURE_FLG SSOLVENCY2_STANDARD_ID
COVERED_PERILS	PERIL_RK
CREDIT_FACILITY	CIC_CD UNWIND_MAX_LOSS_AMT UNWIND_TRIGGER_EVENT_TYPE_CD
CREDIT_RISK_MITIGANT	PRIM_COLL_ASSET_TYPE_CD
EMBEDDED_OPTIONS	EMBED_OPT_SCHEDULE_LOOKUP_FLG
FINANCIAL_ACCOUNT	CIC_CD INT_PAYMENT_DAY_OF_MONTH_NO PAYMENT_DAY_OF_MONTH_NO PREPMT_PSA_SPEED_RT RESET_DAY_OF_MONTH_NO UNWIND_MAX_LOSS_AMT UNWIND_TRIGGER_EVENT_TYPE_CD
FINANCIAL_FUND	PROFIT_PARTICIPATION_PCT DERIVATVE_HELD_LINKED_FUND_FLG
FINANCIAL_INSTRUMENT	CIC_CD INT_PAYMENT_DAY_OF_MONTH_NO PAYMENT_DAY_OF_MONTH_NO RESET_DAY_OF_MONTH_NO UNWIND_MAX_LOSS_AMT UNWIND_TRIGGER_EVENT_TYPE_CD

FINANCIAL_INSTRUMENT_ASSOC	PHYSICAL_ASSET_RK
FINANCIAL_INSTRUMENT_CHNG	PREM_PAID_PERIOD_TO_DATE_AMT SWAP_INFLOW_PERIOD_TO_DATE_AMT SWAP_OUTFLW_PERIOD_TO_DATE_AMT SWAP_DELIVERED_CURRENCY_CD SWAP_RECEIVED_CURRENCY_CD
FINANCIAL_POSITION	CUSTODIAN_COUNTERPARTY_RK
FUND_INSTRUMENT	LEVEL_OF_LOOKTHROUGH_CD DELTA_RT
GENERAL_UNIT_OF_EXPOSURE	UNDERWRITING_MODEL_AMT UNDERWRITING_MODEL_TYPE_CD
GL_ACCOUNT	CONTROL_ACCOUNT_FLG
GL_ACCOUNT_BALANCE	ACCOUNT_PERIOD_RK AS_OF_DATE GL_BALANCE_BASE_CURRENCY_CD GL_BALANCE_REPT_CURRENCY_CD REPORTING_METHOD_CD TAX_RT
GL_SEGMENT_BALANCE	AS_OF_DT TAX_RT
GL_JRNL	REVERSAL_DESC REVERSAL_REASON_CD REVERSED_GL_JRNL_ID
GL_JRNL_DETAILS	ACCOUNT_PERIOD_RK
GL_SEGMENT_PARAM_GROUP	GL_SEGMENT_GROUP_DESC
GL_SEGMENT_PARAMETER	PARAMETER_DESC
INDIVIDUAL	DECEASED_DT
LEGAL_PROT_INSURED_SUBJECT	APPLICATION_RK
LIABILITY_INSURED_SUBJECT	APPLICATION_RK
OTHER_INSURED_SUBJECT	APPLICATION_RK
PERIL	PERIL_RK VALID_FROM_DTTM VALID_TO_DTTM
PERS_PROP_DETAILS	APPLICATION_RK
PERS_VEHICLE_DETAILS	APPLICATION_RK
PHYSICAL_ASSET	CIC_CD

PORTFOLIO	ASSET_PORTFOLIO_SEGMNT_TYPE_CD
REINSURANCE_CARRIER	PARTICIPATION_LIMIT_AMT RI_CARRIER_RK RI_CARRIER_TYPE_CD RI_NETWORK_ID
REINSURANCE_COLLATERAL	EFFECTIVE_DTTM EXPIRATION_DTTM
REINSURANCE_CONTRACT_SECTION	GROSS_RETENTION_PCT
REINSURANCE_EXPOSURE	CEDING_COMMISSION_AMT RI_AMT_SHARE RI_CONTRACT_SECTION_RK RI_EXP_EFFECTIVE_DT RI_EXP_EXPIRATION_DT
REINSURANCE_TRANS	RI_CONTRACT_RK RI_CONTRACT_SECTION_RK RI_REINSTATEMENT_RK XL_LAYER_RK
REINSURANCE_TRANS_LINE_ITEM	LINE_ITEM_TRANS_AMT RI_CONTRACT_RK RI_CONTRACT_SECTION_RK
REPO_INSTRUMENT	COLLATERAL_TYPE_CD ROLLOVER_STRATEGY_ID
RF_CURVE_X_RF_GROUP	VALID_FROM_DTTM VALID_TO_DTTM
RI_TRANS_X_RI_EXPOSURE	RI_CONTRACT_RK RI_EXP_TRANS_AMT
RISK_FACTOR	VALID_FROM_DTTM VALID_TO_DTTM
RISK_FACTOR_CURVE	VALID_FROM_DTTM VALID_TO_DTTM
RISK_FACTOR_GROUP	VALID_FROM_DTTM VALID_TO_DTTM
RSK_FCTR_X_ANAL_MDL_TRANS_METH	VALID_FROM_DTTM VALID_TO_DTTM
RISK_FACTOR_X_RISK_FCTR_CURVE	VALID_FROM_DTTM VALID_TO_DTTM
SECURITIZATION_INSTRUMENT	PREPAY_STRUCTURED_PRODUCT_FLG
SECURITIZATION_POOL	RESECURITIZATION_FLG UNDERLYING_PRODUCT_TYPE_CD UNDERLYING_COLLATERAL_TYPE_CD

SUB_LEDGER	AS_OF_DT
SWAP_INSTRUMENT_LEG	PAYMENT_DAY_OF_MONTH_NO INT_PAYMENT_DAY_OF_MONTH_NO RESET_DAY_OF_MONTH_NO
TECHNICAL_INSURED_SUBJECT	APPLICATION_RK
XL_LAYER	CAP_RANGE_1_AMT_TYPE_CD CAP_RANGE_2_AMT_TYPE_CD DEDUCTIBLE_1_AMT DEDUCTIBLE_2_AMT LIMIT_1_AMT LIMIT_2_AMT
XL_LAYER_X_RI_CARRIER	ANNOTATION_TXT

Renamed Columns:

The column ASSET_PORTFOLIO_X_EXPOSURE_RK from ASSET_PORTFOLIO_SGMNT_X_EXPOSURE table had a typo. The column has been renamed to ASSET_PORTFOLIO_X_EXPOSURE_RK.

Deprecated tables and columns:

A few tables and columns were deprecated from previous versions. They are now physically removed.

Deprecated Tables

CLAIM_INJURED_DETAILS

REINSURANCE_CLAIM

REINSURANCE_TREATY

REINSURER_X_TREATY

RI_TREATY_X_COVERAGE

RI_TREATY_X_PERILS

SCHEDULE_X_TREATY

Deprecated Columns

Table Name.	Column Name
ASSET_SEGMENT_X_EXPOSURE.	FINANCIAL_INSTRUMENT_RK
BOND_VOLATILITY_QUOTE.	TERM_CD
COMMODITY_VOLATILITY_QUOTE.	TERM_CD

COVERED_PERILS	.PERIL_CD
CREDIT_SPREAD_QUOTE.	TERM_CD
FX_FORWARD_QUOTE.	TERM_CD
FX_VOLATILITY_QUOTE.	TERM_CD
INDEX_VOLATILITY_QUOTE.	TERM_CD
INTEREST_RATE_QUOTE.	TERM_CD
INT_RATE_VOLATILITY_QUOTE UNDERLYING_TERM_CD	TERM_CD
PHYSICAL_ASSET_QUOTE	TERM_CD
REINSURANCE_CARRIER	PARTICIPATION_LIMIT
REINSURANCE_NETWORK_ID	
REINSURANCE_COLLATERAL	EFFECTIVE_DT EXPIRATION_DT
REINSURANCE_EXPOSURE	CESSION_LOWER_AMT CESSION_TYPE_CD CESSION_UPPER_AMT CURRENCY_CD FACULTATIVE_REINSURER_RK REINSURED_AMT_TYPE_CD RETENTION_AMT RI_EFFECTIVE_DT RI_EXPIRATION_DT RI_PREMIUM_BASIS_CD RI_RISK_BASIS_CD TREATY_RK ULTIMATE_CEDED_AMT
REINSURANCE_TRANS	TREATY_RK
REINSURANCE_TRANS_LINE_ITEM	TREATY_RK
RI_TRANS_X_RI_EXPOSURE	TREATY_RK

Columns with changed attributes:

Table Name	Column Name
ACCOUNT_PERIOD_ASSOC	ORDER_NO
CEDED_LOSS	CEDED_LAE_CASE_RESERVE_AMT CEDED_PAID_LAE_AMT
CURRENCY_CONVERSION_RATE	CONVERSION_RT

EXTERNAL_ORG	NAICS_CD
	SIC_CD
FINANCIAL_INSTRUMENT	FINANCIAL_INSTRUMENT_NM
FUND_INSTRUMENT	LEVEL_OF_LOOKTHROUGH_CD
INDEX_QUOTE	INDEX_CD
INTERNAL_ORG	NAICS_CD
	SIC_CD
MARKET_DATA	DATA_DTTM
REINSURANCE_CONTRACT	CEDENTS_CONTRACT_ID
REINSURANCE_CONTRACT_SECTION	MAX_COVER_PER_RISK_EVENT
REINSURANCE_EXPOSURE	RI_PREMIUM_DUE_DT
	RI_PREMIUM_PAID_TO_DT
RISK_FACTOR_X_RISK_FCTR_CURVE	VALID_TO_DTTM
RSK_FCTR_X_ANAL_MDL_TRANS_METH	CURR_NUM_UNITS
UNIT_OF_MEASURE	UOM_TYPE_DESC

1. 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\9.2\insurancedds\sasmisc\insurancedds_5.4M1\ddl\sas* folder.

2. If you do not have existing DDS physical tables, execute the *ddlgen.sas* file present in *<SASHOME>\SASFoundation\9.2\insurancedds\sasmisc\insurancedds_5.4M1\ddl\sas* folder.

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

4. Copy the files present in <SASHOME>\SASFoundation\9.2\sasmisc\insurancedds\insurancedds_5.4M1\metadata \ folder to a location that can be accessed by DI studio client.

5. Open DI studio and logon as unrestricted user.

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

7. If you do not have existing metadata for DDS, import insurancedds_54m1_sas.spk followed by insurancedds_54m1_hf1_sas.spk, insurancedds_54m1_hf2_sas.spk, insurancedds_54m1_hf3_sas.spk, insurancedds_54m1_hf4_sas.spk, and insurancedds_54m1_hf5_sas.spk, insurancedds_54m1_hf6_sas.spk and insurancedds_54m1_hf7_sas.spk, insurancedds_54m1_hf8_sas.spk and insurancedds_54m1_hf9_sas.spk.

Note that before importing the insurancedds_54m1_hf2_sas.spk, please delete the table SCHEDULE_X_TREATY from the destination metadata server using DI Studio from the folder \Products\SAS Detail Data Store For Insurance\DDS5.4_M1\01 INSURANCE PRODUCT.

8. If you have existing metadata for DDS hot fix1, 2, 3, 4, 5, 6, 7 and 8 on top of 5.4M1, import insurancedds_54m1_hf9_sas.spk.

a. **Notes:**

   b. Once all hot fixes have been installed, execute the below code in DI Studio to delete the metadata for the physically removed tables\columns. The code below will synchronize table\column metadata as per physical table structures.

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

```
options
   metaserver = "<metadata server>"
   metauser = "<metadata user id>"
   metapass = "<password for metadata user>"
   metaport = <port number>
   metaprotocol = bridge
   metarepository = "Foundation"
;
proc metalib;
   omr (library = "Detail Data Store" repname = "Foundation");
   update_rule (delete);
   report;
run;
```

For detailed instructions on creating physical table and importing metadata, please refer to *SAS® Detail Data Store for Insurance 5.4 Second Edition*.

F88013 for SAS Firmwide Risk Management for Insurance Server 2.1_M1

1) You should delete (or rename) the file *rmif_pm_cpty_risk.sas* found in *SASFoundation\9.2\rmifirmmva\ucmacros* folder. This file has been incorrectly delivered to this location. In this package, the most recent version of this file will be correctly delivered to the following location:
   misc\rmifirmmva\solution_data_mart\fw_env\methods.
2) You should delete (or rename) the files *rmif_bat_run_oprisk.sas* and *rmif_enrich_oprisk_source.sas* found in *SASFoundation\9.2\rmicomnsvr\ucmacros* folder. These files has been incorrectly delivered to this location. In this package, the most recent version of these files will be correctly delivered to the following location:
   SASFoundation\9.2\rmifirmmva\ucmacros

F89013 for SAS Market Risk Management for Insurance Server 2.1_M1

NONE

F12014 for SAS Risk Management for Insurance Server 2.1_M1

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 2.1**

      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 2.1
      iv. Next, right-click on the *Analysis* folder and select **Import SAS Package** from the menu
      v. Browse to <SASHOME>\SASFoundation\9.2\rmifirmmva\sasmisc\Config\Deployment\Packages and select the analysis.spk file.
      vi. Select the radio button for **All Objects** and click Next.
      vii. You should see a list of STPs 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 <SASHOME>\SASFoundation\9.2\rmifirmmva\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 messages such as "The import process completed successfully" in the log.
      xii. Click Ok and then Finish.

   b. **Import updated configuration.spk for FIRMWIDE Risk Server 2.1**

      i. Login to SAS Management Console (SMC) as the Administrator (sasadm) user
      ii. Click on the Folders tab
      iii. Navigate to the folder Configuration under System -> Applications -> SAS Risk Management for Insurance -> Firmwide Risk Server 2.1

iv. Select all the STPs, right-click and select Delete.

v. Ensure that all STPs have been deleted from the Configuration folder. The group solvency stored process configuration has been removed.

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

vii. Browse to <SASHOME>\SASFoundation\9.2\rmifirmmva\sasmisc\Config\Deployment\Packages and select the configuration.spk file.

viii. Select the radio button for All Objects and click Next.

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

x. Ensure that you have the correct mappings for the SAS Application Servers.

xi. Click Next.

xii. On this screen, map source code repositories between original and target application servers. Choose the path to the <SASHOME>\SASFoundation\9.2\rmifirmmva\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.

c. Import updated analysis.spk for Life Risk Server 2.1

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 2.1

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. You should also see a new STP, SLTH_SOLVENCY if not already added in a prior hotfix install.

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

vi. Browse to <SASHOME>\SASFoundation\9.2\rmilifemva\sasmisc\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 <SASHOME>\SASFoundation\9.2\rmilifemva\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 Market Risk Server 2.1

    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 2.1

    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\9.2\rmimktmva\sasmisc\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 <SASHOME>\SASFoundation\9.2\rmimktmva\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 analysis.spk for Property Casual Risk Server 2.1

    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 2.1

   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. You should also see a new STP, NSLTH_SOLVENCY if not already added in a prior hotfix install.

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

   vi.   Browse to <SASHOME>\SASFoundation\9.2\rmipcmva\sasmisc\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 <SASHOME>\SASFoundation\9.2\rmipcmva\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.

f.   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 2.1

   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\9.2\rmicomnsvr\sasmisc\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 <SASHOME>\SASFoundation\9.2\rmicomnsvr\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.

g. Import new reports_cp13.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 2.1

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

v.   Browse to *<SASHOME>\SASFoundation\9.2\rmicomnsvr\sasmisc\Config\Deployment\Packages* and select the *reports_cp13.spk* file.

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

vii.   You should see a list of *Reports* 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 <SASHOME>\SASFoundation\9.2\rmicomnsvr\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.

h. Import updated system.spk for the RMI Common Server component

i. Click on the Folders tab
ii. Navigate to the folder System under System -> Applications -> SAS Risk Management for Insurance -> Risk Management for Insurance Server 2.1
iii. Right-click on the System folder and select Import SAS Package from the menu
iv. Browse to <SASHOME>\SASFoundation\9.2\rmicomnsvr\sasmisc\Config\Deployment\ Packages and select the *system.spk* file.
v. Select the radio button for **All Objects** and click Next
vi. You should see a list of STPs in the window. Click Next and then Next again.
vii. Ensure that you have the correct mappings for the SAS Application Servers. Click Next.
viii. On this screen, map source code repositories between original and target application servers. Choose the path to the <SASHOME>\SASFoundation\9.2\rmicomnsvr\sasstp\ folder. Click Next.
ix. Review the Summary information and click Next if correct. Otherwise, click on the Back buttons to make necessary corrections in earlier steps.
x. 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.
xi. Click Ok and then Finish.
xii. You should now see
    1. A new "Job name" parameter in the Parameters tab for the REPORT_OPTIONS STP if you had not installed F90004 or F90005.
    2. A new parameter for XBRL generation.
    3. A new "Verbose logging" parameter in the Parameters tab for the REPORT_OPTIONS STP

i. 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 2.1
iv. Depending on which hotfix was last installed, follow the steps in the appropriate section below followed by those in the **Common Steps** section to complete the import.

F90006 (or more recent) installed

v. Right-click on the folder named **Data Management** and click Delete
vi. Next, right-click on the Utilities folder and select **Import SAS Package** from the menu
vii. Browse to <SASHOME>\SASFoundation\9.2\rmicomnsvr\sasmisc\Config\Deployment\ Packages and select the *utilities.spk* file.
viii. Select the radio button for **All Objects** and click Next. You should see a list of STPs in the window. Click Next and then Next again.
ix. Now, proceed with the Common Steps x. through xv.

F90006 not installed

v. Select the STPs listed below, right-click and click delete

- ACCOUNTING_MEASURES
- RE_J1
- RE_J2
- RE_J3
- TP_E4
- TP_E6
- TP_E7A
- TP_E7B

The reason that these STPs need to be removed is to be able to consolidate them under a new **Data Management** folder (which will be installed from the *utilities.spk* files) and also because the .sas files they execute have been renamed.

vi. Next, right-click on the Utilities folder and select **Import SAS Package** from the menu
vii. Browse to <SASHOME>\SASFoundation\9.2\rmicomnsvr\sasmisc\Config\Deployment\ Packages and select the *utilities.spk* file.
viii. Select the radio button for **All Objects** and click Next. You should see a list of STPs in the window. Click Next and then Next again.
ix. Now, proceed with the **Common Steps** x. through xv.

Common Steps

x. Ensure that you have the correct mappings for the SAS Application Servers. Click Next.
xi. On this screen, map source code repositories between original and target

application servers. Choose the path to the
<SASHOME>\SASFoundation\9.2\rmicomnsvr\sasstp\ folder. Click Next.

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

xiii. 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:

xiv. Click Ok and then Finish.

xv. You should now see the following STPs in the Utilities folder in a new "Data Management" folder containing data management jobs:

- ACCOUNTING_MEASURES
- BSC1
- DMOTHER
- LOSS_TRIANGLE
- RE_J1
- RE_J2
- RE_J3
- TP_E4
- TP_E6
- TP_E7A
- TP_E7B

Import updated *rmi_etl_bridge_m1_hf13.spk* for the RMI Solution Data Mart (SDM) ETL jobs

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

Newly added jobs:

RMI_INT_100_I_ACCOUNT_CREDIT_RISK_MITIGANT
RMI_INT_100_I_CREDIT_FACILITY_CR_MITIGANT
RMI_INT_100_I_EXPOSURE_CR_MITIGANT_RANK
RMI_INT_100_I_FINANCIAL_POSITION_CR_MITIGANT
RMI_INT_100_I_FRA_INSTRUMENT_LEG
RMI_INT_100_I_RISK_FACTOR_X_RISK_FCTR_CURVE
RMI_STG_210_CLOSED_ASSET_DERIVATIVE
RMI_STG_210_CLOSED_ASSET_DERIVATIVE_TRADE
RMI_STG_210_EXPOSURE_CRM_LINK
RMI_STG_210_GL_ACCOUNT_BALANCE_LOOP
RMI_STG_210_GL_BAL_SEGMENT_ATTR_VAR
RMI_STG_210_GL_BALANCE_SEGMENT

RMI_STG_210_PORTFOLIO
RMI_STG_210_QUOTE_FUND
RMI_STG_210_RATE_PARAM_GROUP_X_PARAMETER
RMI_STG_210_RI_CONTRACT_COLLATERAL
RMI_STG_210_SEGMENTED_GL_ACCOUNT_BALANCE
RMI_STG_210_SEGMENTED_GL_ACCOUNT_BALANCE_LOOP
RMI_STG_210_SUB_LEDGER RMI_STG_210_ENTITY_SYSTEM_IDENTITY
RMI_STG_210_LINE_OF_BUSINESS_ASSOC
RMI_STG_230_CAPITAL_ALLOCATION RMI_STG_230_CAPITAL_COST

Modified Jobs:

RMI_INT_100_I_ASSET_SGMNT_X_EXPOSURE
RMI_INT_100_I_BOND_INSTRUMENT RMI_INT_100_I_COUNTERPARTY
RMI_INT_100_I_CREDIT_CARD_ACCOUNT RMI_INT_100_I_CREDIT_FACILITY
RMI_INT_100_I_CREDIT_RISK_MITIGANT
RMI_INT_100_I_EXTERNAL_ORG RMI_INT_100_I_FINANCIAL_INSTRUMENT
RMI_INT_100_I_FINANCIAL_POSITION
RMI_INT_100_I_FX_FORWARD_QUOTE
RMI_INT_100_I_FX_VOLATILITY_QUOTE
RMI_INT_100_I_INT_RATE_VOLATILITY_QUOTE
RMI_INT_100_I_INTEREST_RATE_QUOTE RMI_INT_100_I_PHYSICAL_ASSET
RMI_INT_100_I_RISK_FACTOR
RMI_INT_100_I_PORTFOLIO
RMI_INT_100_I_REPO_INSTRUMENT
RMI_INT_100_I_RISK_FACTOR_X_RISK_FCTR_CURV
RMI_INT_100_I_SWAP_INSTRUMENT_LEG
RMI_INT_100_I_COUNTERPARTY_CREDIT_ASSESSMENT
RMI_INT_105_I_FINANCIAL_ACCOUNT
RMI_INT_110_I_ACCT_POS_INST_FCLTY_APPEND
RMI_INT_110_I_QUOTE_VOLATILITY
RMI_STG_210_CEDED_LOSS
RMI_STG_210_CLAIM_HISTORY
RMI_STG_210_COUNTERPARTY_ASSOC
RMI_STG_210_COVERED_PERILS
RMI_STG_210_FINANCIAL_FUND
RMI_STG_210_JOIN_CUSTOMERS
RMI_STG_210_RI_CARRIER_X_RI_CONTRACT_SECTN
RMI_STG_210_FUND_INSTRUMENT
RMI_STG_210_GENERAL_INSURANCE_SUBJECT
RMI_STG_210_GENERAL_INSURANCE_UOE
RMI_STG_210_GL_ACCOUNT_ASSOC
RMI_STG_210_GL_ACCOUNT_BALANCE
RMI_STG_210_INSURANCE_SEGMENT
RMI_STG_210_INSURED_ITEM_LOCATION
RMI_STG_210_INTERNAL_ORG_ASSOC
RMI_STG_210_LIFE_INSURANCE_POLICY
RMI_STG_210_REINSURANCE_CONTRACT_SECTION
RMI_STG_210_REINSURANCE_COVERAGE
RMI_STG_210_RI_CARRIER_X_XL_LAYER
RMI_STG_210_SECURITIZATION_POOL_MART RMI_STG_210_SUB_LEDGER

RMI_STG_210_XL_LAYER RMI_STG_230_ASSET_SGMNT_X_EXPOSURE
RMI_STG_230_CDO_INSTRUMENT RMI_STG_230_CASHFLOW_ACCOUNT
RMI_STG_230_CASHFLOW_FRA RMI_STG_230_CASHFLOW_INSTRUMENT
RMI_STG_230_CONVERSION_SCHEDULE
RMI_STG_230_CONVERTIBLE_BOND_INSTRUMENT
RMI_STG_230_COUNTERPARTY RMI_STG_230_COUNTERPARTY_RATINGS
RMI_STG_230_CREDIT_RISK_MITIGANT
RMI_STG_230_DISCRETE_CARRYING_COST
RMI_STG_230_EMBEDDED_OPTIONS RMI_STG_230_FINANCIAL_CONTRACT
RMI_STG_230_FINANCIAL_CONTRACT_ISSUE
RMI_STG_230_FINANCIAL_EXPOSURE
RMI_STG_230_GL_ACCOUNT
RMI_STG_230_OPTION_INSTRUMENT RMI_STG_230_OPTION_SCHEDULE
RMI_STG_230_QUOTE_FX
RMI_STG_230_QUOTE_INDEX
RMI_STG_230_QUOTE_IR
RMI_STG_230_QUOTE_IR RMI_STG_230_QUOTE_VOLATILITY
RMI_STG_230_QUOTE_VOLATILITY
RMI_STG_230_REPO_INSTRUMENT
RMI_STG_230_RF_CURVE_X_RF_GROUP RMI_STG_230_RISK_DRIVER
RMI_STG_230_RISK_DRIVER_X_FIN_CONTR RMI_STG_230_RISK_FACTOR
RMI_STG_230_RISK_FACTOR_CURVE RMI_STG_230_RISK_FACTOR_GROUP
RMI_STG_230_RISK_FACTOR_X_RISK_FCTR_CURVE
RMI_STG_230_SWAP_INSTRUMENT

Excluded Jobs:

RMI_INT_100_I_ASSET_SGMNT_X_EXPOSURE
RMI_STG_210_REINSURANCE_TREATY
RMI_STG_210_COUNTERPARTY_X_RI_TREATY
RMI_STG_210_CEDED_EXPOSURE
RMI_STG_210_RATE_PARAM_GROUP
RMI_STG_230_ASSET_PORTFOLIO_SEGMENT
RMI_STG_230_ASSET_SGMNT_X_EXPOSURE

vi.   If you already have existing RMI21.M1 ETL jobs, import the
      rmi_etl_bridge_m1_hf13.spk file from
      <SASHOME>\SASFoundation\9.2\SASRiskManagementForInsuranceMid
      Tier\2.1\ETL folder as explained below.

      Note: If RMI21.M1 ETL is not existing then 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\2.1\ETL and select the *rmi_etl_bridge_m1_hf13.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. 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
    metaserver = "<metadata server>"
    metauser = "<metadata user id>"
    metapass = "<password for metadata user>"
    metaport = <port number>
    metaprotocol = bridge
    metarepository = "Foundation"
;
proc metalib;
    omr (library = "RMI Staging" repname = "Foundation");
    update_rule (delete noadd);
    report;
run;
```

4. 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):

Run the following code to regenerate the Solution Data Mart:

```
%rmiinit;
%rmi_create_sdm();
```

Now run the following steps:

1. Delete all user folders found in
   <SASCONFIG>\Lev1\AppData\SASRiskManagementForInsurance\2.1\data\userdata

1. Login to **Risk Management for Insurance 2.1**

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

3. 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.

4. Repeat steps 8 and 9 for each Entity.

The above process will deploy the Solution Data Mart on your environment. By design, this
deployment process will materialize the default configuration
("SOLVENCY2_LVL2_OCT2011") set in the Solution data mart (level2 analytics with the
CP11 reports).

Alternatively, other configuration sets can be added by running the following code:

```
%rmiinit;
%rmi_add_new_configuration_set
   (soln_data_mart_dir = <complete path to indata directory in your install>
    , cards_file_dir = <complete path to where the configuration set cards file reside in your
install>
    , configuration_champion_flg = N
   );
```

Example of indata path:
<CONFIGDIR>\AppData\SASRiskManagementForInsurance\2.1\indata

Example of cards_file_dir:
<SASHOME>\SASFoundation\9.2\rmicomnsvr\sasmisc\solution_data_mart\sampledata_
append_cp13

Check the SAS log for successful execution of the preceding macro.

Appendable configuration sets are:
- *SOLVENCY2_CP-13*: Level2 analytics with CP13 reports
- *SOLVENCY2_LVL2_DIRR_ENABLED*: Level2 analytics with CP11 QRT – (limited
  pre-configured for DIRR)
- *SOLVENCY2_CP-13_DIRR_ENABLED*: Level2 analytics with CP13 reports –
  (limited pre-configured for DIRR)
- *SOLVENCY2_14-209_14-210*: pre-release configuration set for the EIOPA publication
  14\209 and 14\210 with CP13 reports (non-DIRR)

G54011 for SAS Risk Reporting Repository 1.4_M1

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

There are different ways in which to apply the new structure. Please select one of the following methods that is applicable to your installation(s).

NB: In this release of the SAS Risk Reporting Repository previously marked deprecated 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 post-installation tasks for F12006 have been applied, the structures of the Private locations will be automatically updated with the latest reportmart structure for the F120089 post- installation tasks and the subsequent methods are not necessary for applying the data model changes to private RRR locations. The following methods can be applied to both the private and shared locations depending on the state of your installation.

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 RRR 14 m1 version of the RRR and are installing the sixth RRR hotfix, by creating the shipped sample data you do not need to install the "sample data for the previous hotfix". The shipped sample data is a snapshot of the given version.

Submit the following code with your installation specific information. (Note: This has changed from previous releases as you are now required to submit the *rmiinit;* prior to submitting the batch program.)

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

```
%rmiinit;
%rmi_batch_create_rrr_sample_data
   (ENTITY = MAIN
    , USERNAME = <username>
    /* Alternatively, use CONFIG_SET_ID = SOLVENCY2_CP-13 to pre-load CP-13 sample data */
    , CONFIG_SET_ID = SOLVENCY2_LVL2_OCT2011
    , 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>
    /* Alternatively, use CONFIG_SET_ID = SOLVENCY2_CP-13 to pre-load CP-13 sample data */
    , CONFIG_SET_ID = SOLVENCY2_LVL2_OCT2011
    , SCOPE = S
   );
```

Note that to enable the production of the CP13 reports with sample data available in the RRR another CONFIG_SET_ID is required CONFIG_SET_ID = SOLVENCY2_CP13

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.

Updating an existing install with alter\migration scripts:

If you have existing data in your reportmart and wish to only apply the data model changes, execute the specific alter scripts for your given installations:

A. If the reportmart is the RRR14m1 version: execute *%run_rrr14m1_to_rrr14m1hF*. Follow the instructions to execute this alter script in the PDF document *m1rrr14_to_m1rrr14hf9_instructions.pdf* that has been delivered with the alter scripts. These files will be typically located in the following directory:

Win:
<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_9\m1_to_hotfix9

Unix:
<SASHOME>\SASFoundation\9.2\misc\rskrptmrtvrt\alterscripts\hotfix_9\m1_to_hotfix9

B. If the reportmart is the RRR14m1hf1 version: execute *%run_rrr14m1hf1_to_rrr14m1hf*9. Follow the instructions to execute this alter script in the PDF document *m1rrr14hf1_to_m1rrr14hf*8_instructions.pdf that has been delivered with the alter scripts. These files will be typically located in the following directory:

Win:
<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_9\hotfix1_to_hotfix9

Unix:
<SASHOME>\SASFoundation\9.2\misc\rskrptmrtvrt\alterscripts\hotfix_9\hotfix1_to_hotfix9

C. If the reportmart is the RRR14m1hf2 version: execute *%run_rrr14m1hf2_to_rrr14m1hf*9. Follow the instructions to execute this alter script in the PDF document *m1rrr14hf2_to_m1rrr14hf*9_instructions.pdf that has been delivered with the alter scripts. These files will be typically located in the following directory:

Win:
<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_9\hotfix2_to_hotfix9
Unix:
<SASHOME>\SASFoundation\9.2\misc\rskrptmrtvrt\alterscripts\hotfix_9\hotfix2_to_hotfix9

D. If the reportmart is the RRR14m1hf3 version: execute *%run_rrr14m1hf3_to_rrr14m1hf*9. Follow the instructions to execute this alter script in the PDF document *m1rrr14hf3_to_m1rrr14hf*8_instructions.pdf that has been delivered with the alter scripts. These files will be typically located in the following directory:

Win:
<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_9\hotfix3_to_hotfix9

Unix:
<SASHOME>\SASFoundation\9.2\misc\rskrptmrtvrt\alterscripts\hotfix_9\hotfix3_to_hotfix9

E. If the reportmart is the RRR14m1hf4 version: execute *%run_rrr14m1hf4_to_rrr14m1hf*9. Follow the instructions to execute this alter script in the PDF document *m1rrr14hf4_to_m1rrr14hf*8_instructions.pdf that has been delivered with the alter scripts. These files will be typically located in the following directory:

Win:
<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_9\hotfix4_to_hotfix9

Unix:
<SASHOME>\SASFoundation\9.2\misc\rskrptmrtvrt\alterscripts\hotfix_9\hotfix4_to_hotfix9

F. If the reportmart is the RRR14m1hf5 version: execute *%run_rrr14m1hf5_to_rrr14m1hf*9. Follow the instructions to execute this alter script in the PDF document

m1rrr14hf5_to_m1rrr14hf8_instructions.pdf that has been delivered with the alter scripts. These files will be typically located in the following directory:

Win:
<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_9\hotfix5_to_hotfix9

 Unix:
<SASHOME>\SASFoundation\9.2\misc\rskrptmrtvrt\alterscripts\hotfix_9\hotfix5_to_hotfix9

G. If the reportmart is the RRR14m1hf6 version: execute *%run_rrr14m1hf6_to_rrr14m1hf*9. Follow the instructions to execute this alter script in the PDF document *m1rrr14hf6_to_m1rrr14hf9_instructions.pdf* that has been delivered with the alter scripts. These files will be typically located in the following directory:
Win:
<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_9\hotfix6_to_hotfix9

Unix:
<SASHOME>\SASFoundation\9.2\misc\rskrptmrtvrt\alterscripts\hotfix_9\hotfix6_to_hotfix9

H. If the reportmart is the RRR14m1hf7 version: execute *%run_rrr14m1hf7_to_rrr14m1hf*9. Follow the instructions to execute this alter script in the PDF document *m1rrr14hf7_to_m1rrr14hf*9_instructions.pdf* that has been delivered with the alter scripts. These files will be typically located in the following directory:
Win:
<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_9\hotfix7_to_hotfix9

Unix:
<SASHOME>\SASFoundation\9.2\misc\rskrptmrtvrt\alterscripts\hotfix_9\hotfix7_to_hotfix9

I. If the reportmart is the RRR14m1hf8 version: execute *%run_rrr14m1hf8_to_rrr14m1hf*9. Follow the instructions to execute this alter script in the PDF document *m1rrr14hf8_to_m1rrr14hf*9_instructions.pdf* that has been delivered with the alter scripts. These files will be typically located in the following directory:

Win:
<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_9

Unix:
<SASHOME>\SASFoundation\9.2\misc\rskrptmrtvrt\alterscripts\hotfix_9

J. If the reportmart is the RRR14m1hf9 version: execute *%run_rrr14m1hf9_to_rrr14m1hf*10. Follow the instructions to execute this alter script in the PDF document *m1rrr14hf9_to_m1rrr14hf*10_instructions.pdf* that has been delivered with the alter scripts. These files will be typically located in the following directory:

Win:

<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_10

Unix:
<SASHOME>\SASFoundation\9.2\misc\rskrptmrtvrt\alterscripts\hotfix_10

K. If the reportmart is the RRR14m1hf10 version: execute *%run_rrr14m1hf10_to_rrr14m1hf*11. Follow the instructions to execute this alter script in the PDF document *m1rrr14hf10_to_m1rrr14hf*11_*instructions.pdf* that has been delivered with the alter scripts. These files will be typically located in the following directory:

Win:
<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_11

Unix:
<SASHOME>\SASFoundation\9.2\misc\rskrptmrtvrt\alterscripts\hotfix_11

2. Installing a new reportmart using the *ddls\createrrr.sas* script:

If you would like to create a new RRR with the new data model, follow the instructions for installing a clear RRR in the **Installing and Configuring the SAS Risk Reporting Repository** section in the *SAS Risk Reporting Repository 1.4 Reference Guide, Second Edition*.

F92013 for SAS Underwriting Risk Management for Life Insurance Server 2.1_M1

NONE

F91013 for SAS Underwriting Risk Management for P&C Insurance Server 2.1_M1

NONE

G61010 for SAS Risk Management for Insurance Mid-Tier 2.1_M1

If both F90006 and F90007 have been previously installed, the steps below can be skipped in their entirety.

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 9.2

From the SASDeploymentManager directory launch ***config.exe***.
SAS Deployment Manager is installed in the following default location:

<SASHOME>\SASDeploymentManager\9.2

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 the Web 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.

Re-start the application (or the application server) using your application server's admin console.

Before accessing the web application, empty the Temporary Internet files location on the client machine used to access the web application from. This is a precautionary measure to avoid problems due to caching of older files in the internet browser.

Installing the Data Interface for the Risk Reporting Repository (RRR)

<u>Preliminary Note</u>

If you had previously installed an earlier version of the Data Interface for the Risk Reporting Repository, please delete all content under both the \Products\SAS Risk Management for Insurance\RMI 2.1M1\SAS Data Interface to RRR and \Products\SAS Risk Reporting Repository destination metadata folders in the SAS Management Console

1. Locate the *dirr_rrr_metadata.spk* file in your install: in a typical install, the file resides under
   <SASHOME>\SASFoundation\9.2\rmicomnsvr\sasmisc\Config\Deployment\Packages\rrr
2. Open SAS Data Integration Studio and navigate to the tab "Folders". Right-click the "Products" folder and import dirr_rrr_metadata.spk.
3. Check the "Include access controls" box on the welcome screen of the Import SAS Package Wizard. Click next.
4. Supply your SAS Application server when requested. Click next
5. Accept the proposed "&RRR_PATH" when requested. Click next

6. Review the changes and click Finish

7. Locate the *dirr_etl.spk* file in your install: in a typical install, the file resides under
   <SASHOME>\SASFoundation\9.2\rmicomnsvr\sasmisc\Config\Deployment\Packages\etl
8. Open SAS Data Integration Studio and navigate to the tab "Folders". Right-click the "Products" folder and import dirr_etl.spk.
9. Check the "Include access controls" box on the welcome screen of the Import SAS Package Wizard. Click next.
10. Supply your SAS Application server when requested. Click next
11. Supply your relevant folders for the libraries when requested. Click next
12. Review the changes and click Finish

This completes the installation of hot fix **F90013** on **Windows for x64**.