Reference Data Management

for SAP Master Data Governance

Installation and Upgrade

Trusted data. Delivered.

Version: 20.04.2026 RDM 2603 (Release 805 SP15)

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1 Introducing Reference Data Management

Note: Please read the complete Installation Guide before starting the installation or the upgrade and create backups of your systems.

Reference Data Management (RDM) for SAP MDG provides the harmonization (RDH) and governance (RDG) of reference data using pre-delivered reference data objects, user interfaces, workflows and the replication of reference data to business applications. For SAP based business applications (ERP or S/4 based) RDM delivers a local staging area which is installed on the business system and can be used as one option to receive and forward the reference data within the system landscape.

The sections and figures below provide an overview about the different deployment and connectivity scenarios. Important to understand is that RDM software components are installed on sender as well as receiver systems. The sender is not only restricted to SAP MDG but can be any SAP ERP, S/4 or non-SAP system and the receiver is not restricted to SAP ERP or SAP S/4, the SAP MDG system can be a receiver as well.

These scenarios are just listed to illustrate the possible scenarios and do not have an impact on the software components to be installed on SAP MDG and on SAP ERP or S/4 systems. There is a fixed set of four software components (ITO, ITR, ITU and ITG) to be installed on SAP MDG and a subset consisting of two software components (ITO and ITG) to be installed on the SAP Business Systems (ERP or S/4).

The figure below shows the components of RDM and their relation to components of SAP MDG. The Master Data Framework (MDF) builds the foundation and Reference Data Harmonization (RDH) and Reference Data Governance (RDG) deliver the main functionalities and possible scenarios are explained in more detail in the next chapters.

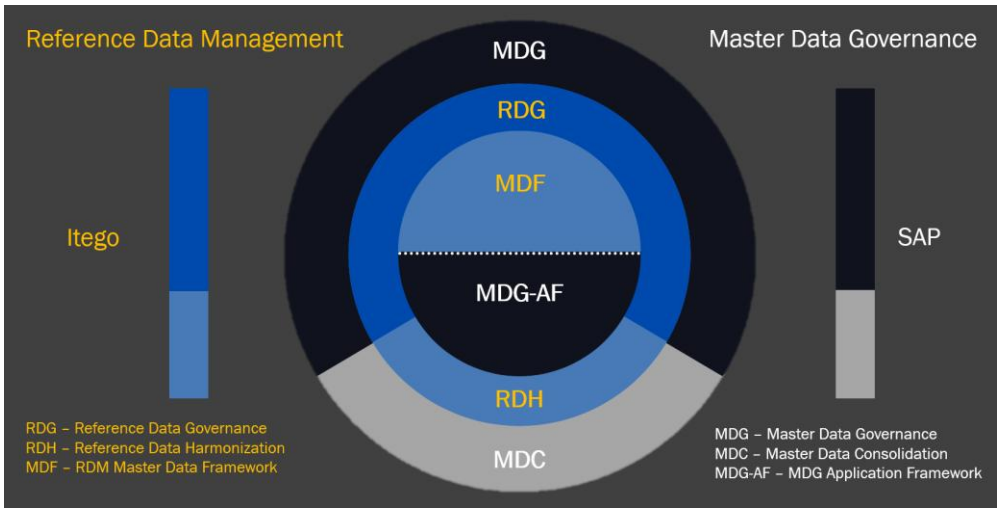


Figure 1: Components of Reference Data Management

1.1 Reference Data Harmonization (RDH)

Reference Data Harmonization (RDH) helps to create consolidated reference data which can be synchronized. It can be used without RDG on SAP MDG but it is recommended to use RDG on SAP MDG to take advantage of additional features for the controlled governance of reference data. In a first step reference data is consolidated in a central system which ideally is the SAP MDG system with RDM (consisting of RDG and RDH) installed as shown below. In this step the Business Systems are the senders and the SAP MDG system is the receiver.

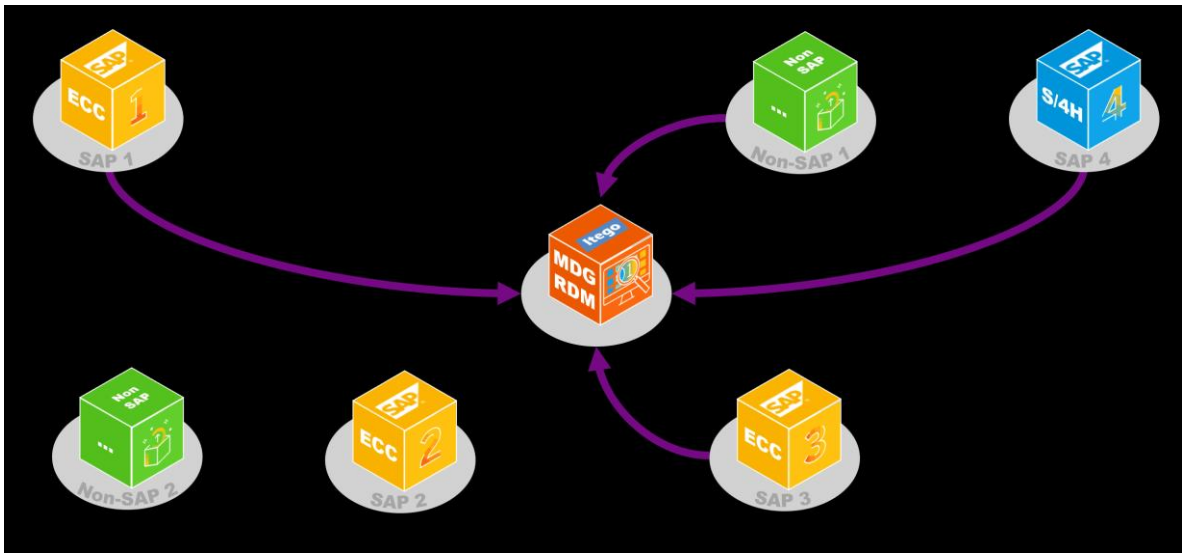


Figure 2: Harmonization Step 1 - Consolidation

In a second step reference data is synchronized (SAP MDG as the sender and Business Systems as receivers) and more data can be consolidated.

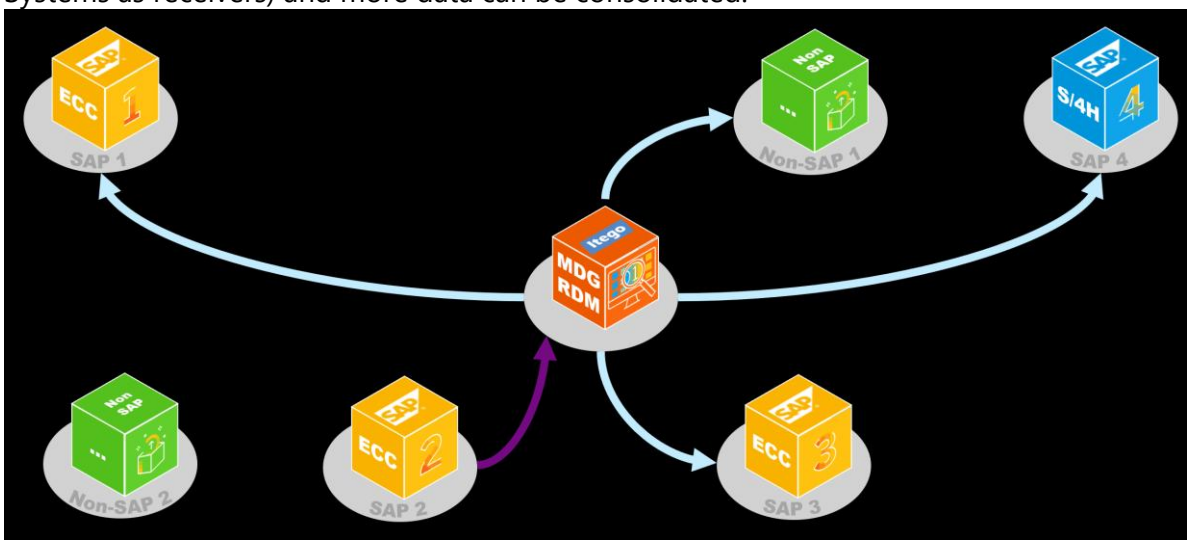


Figure 3: Harmonization Step 2 - Synchronization

The last figure below shows the deployment options with regards to development, test and productive systems.

The Sender Cockpit is installed on development systems and delivers functionalities for configuration, replication and monitoring. It is used for consolidation (as a sender of data that shall be consolidated in a receiver) as well as synchronization (as a sender of data that shall be replicated to consuming system that use this data as provided by the sender).

The Receiver Cockpit helps to consolidate reference data (as a receiver on a development system) or helps to activate data on consuming systems (on development systems).

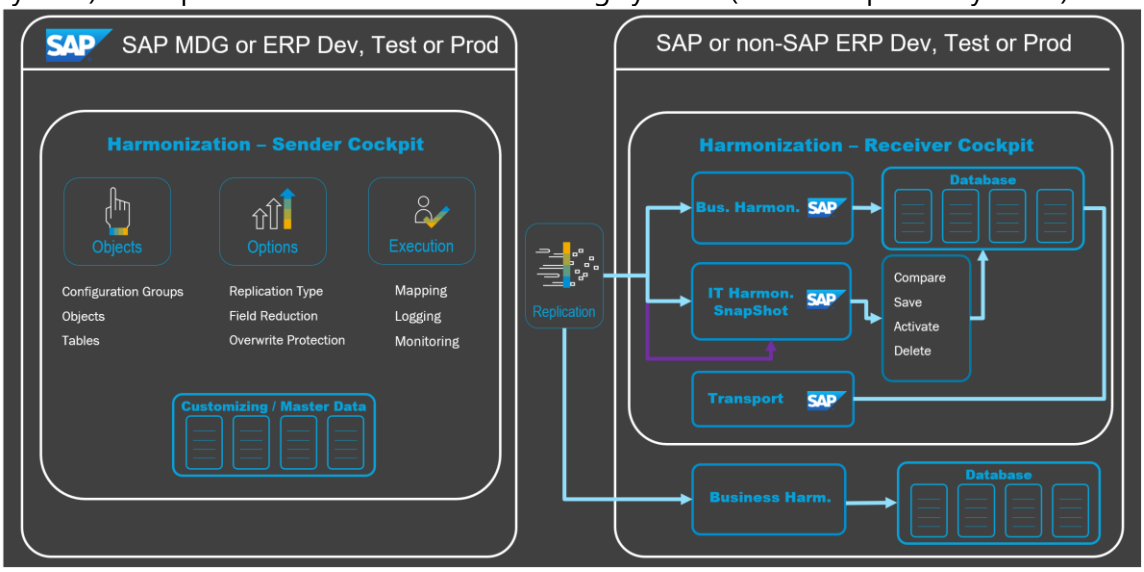


Figure 4: Harmonization – Deployments, Replication and Functions

On top of this RDM delivers functionalities to send reference data (in cases which are based on objects which are master data and not configuration or customizing data) directly to productive systems. Examples for the latter are Exchange Rates, Classification or any reference data object type which is replicated using the "Business Controlled Governance Alternative" (see following section about RDG).

1.2 Reference Data Governance (RDG)

Reference Data Governance (RDG) is based on SAP Master Data Governance (MDG) which provides a framework with functions for the (workflow driven) maintenance of master data and reference data.

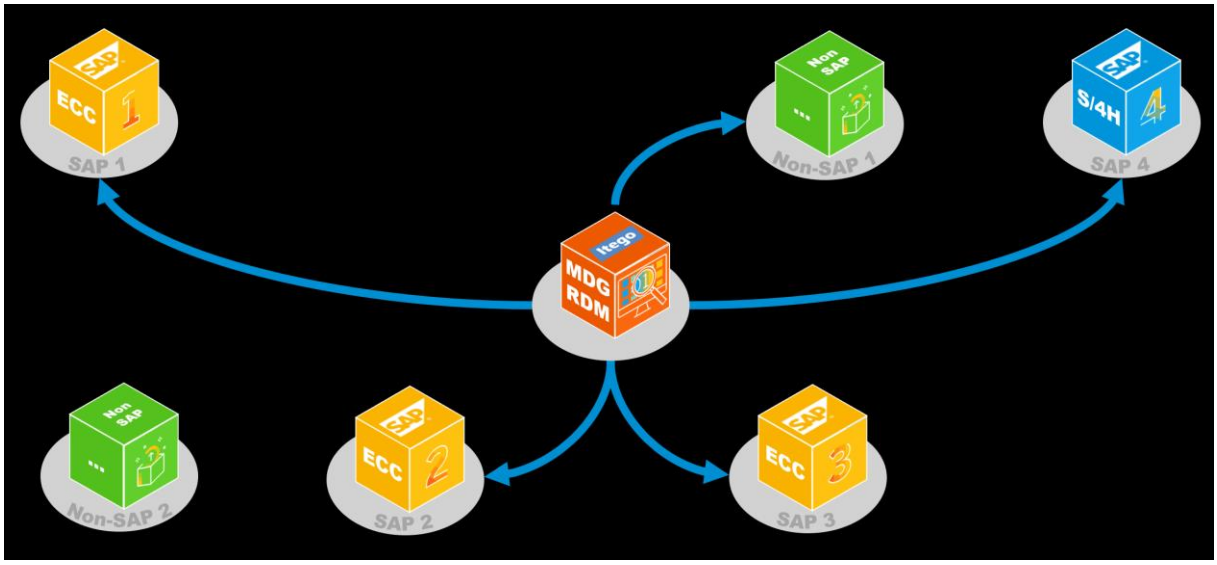


Figure 5: Governance – Workflow Driven Maintenance and Data Replication

Reference data is replicated either in a "Business Controlled Governance Alternative" which means to replicate reference data in the same fashion as master data. Mainly from the SAP MDG production system to productive business application systems but also to test or development systems if needed.

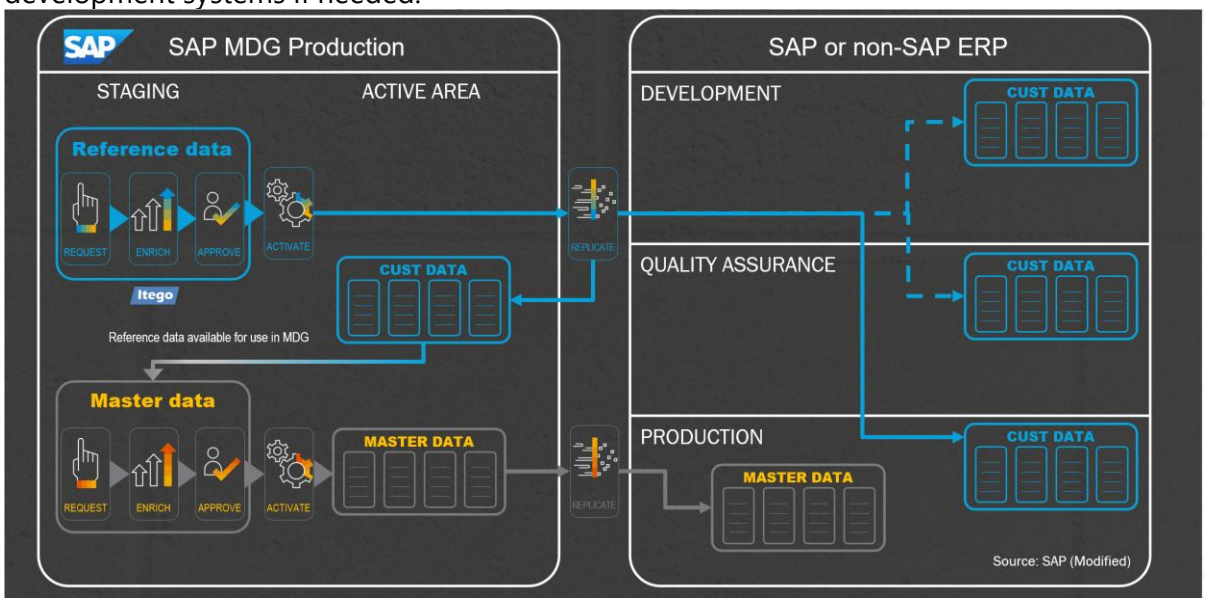


Figure 6: Governance – Business Controlled Governance Alternative

In the second scenario (Full IT Governance Alternative) data is sent to a Local Staging Area (delivered by RDM) installed on the SAP based receiving systems (development systems). From there SAP basis technology is used (SAP transports) to propagate the data from development to production systems.

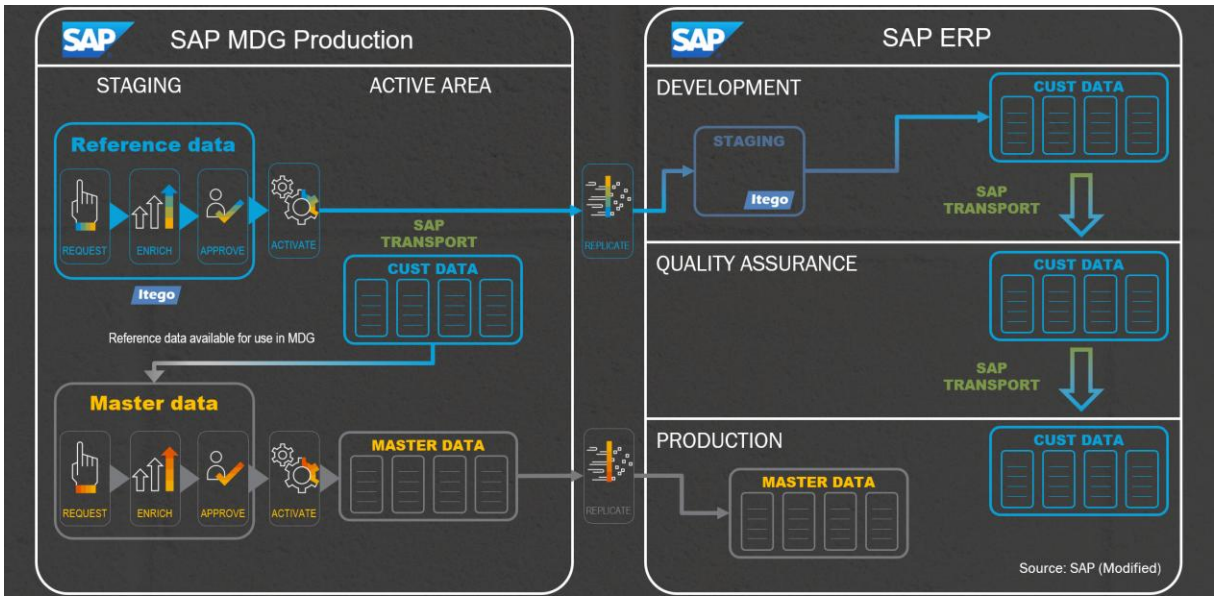


Figure 7: Governance – Full IT Governance Alternative

In order to orchestrate the propagation of data from development systems to production systems, the RDM integration to SAP Solution Manager can be used. In this scenario the SAP Solution Manager helps to control the roll-out of this data to all production systems.

This includes the SAP MDG system where reference data (of type configuration data) is stored in MDG only before it arrives via the SAP transport mechanism in the SAP Business Application Layer on the productive system. Only after this it also can be used as reference data for other applications that might be installed on the SAP MDG system.

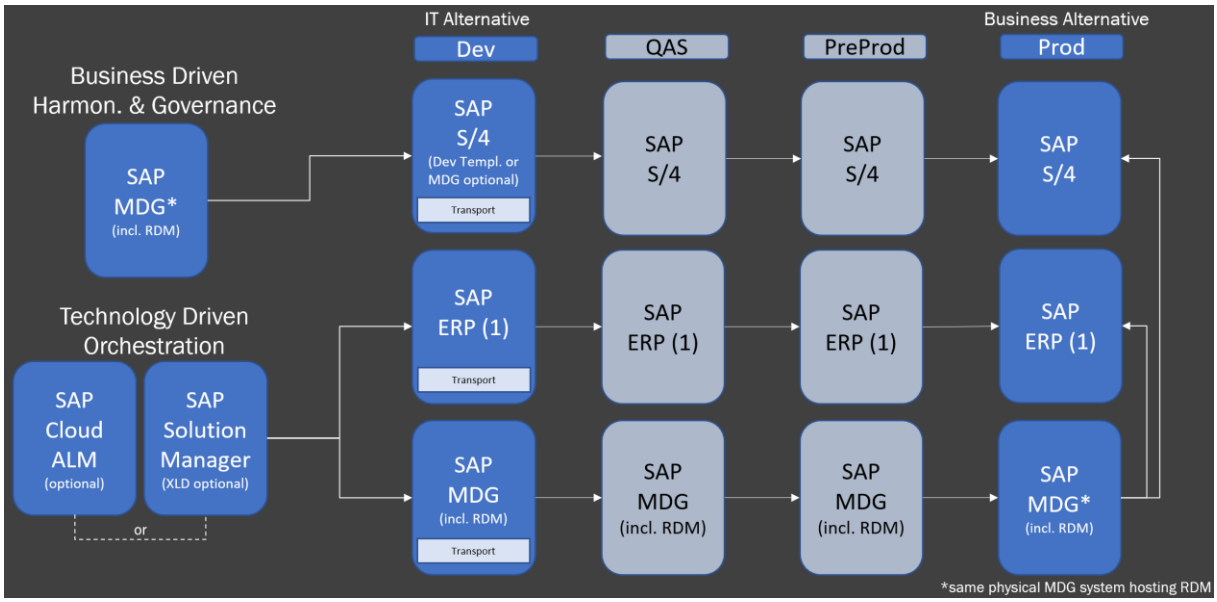


Figure 8: Harmonization and Governance – Cloud ALM and Solution Manager Integration

This scenario is not needed for reference data which is master data (for example Exchange Rates or Classification).

1.3 Software Components of Reference Data Management

RDM is installed as an SAP Add-On and contains four Software Components

- ITG, "Generic Framework"
  - installed on SAP MDG and on SAP based receiving systems
- ITO, "Reference Data Management Local Staging"
  - installed on SAP MDG and on SAP based receiving systems
- ITU, "MDF Utility Objects"
  - installed on SAP MDG
- ITR, "Reference Data Management",
  - installed on SAP MDG

All components need to be installed on the SAP MDG system and only a subset (ITO and ITG) need to be installed on the SAP Business Systems.

Language Support:

- English (EN)
- German (DE)
- French (FR)

In order to obtain more information about planned language support or to request new languages please contact: support@itego.de - Subject: "RDM Languages".

2 Versions and Prerequisites

The following software component versions are delivered with this release:

- ITR 805, SP14, Reference Data Management
- ITO 805, SP15, Reference Data Management Local Staging
- ITG 805, SP14, Generic Framework
- ITU 805, SP08, MDF Utility Objects

Software Component version (minimum) required for RDM Software Component ITG

- SAP_BASIS 756, SP04 for S4CORE 106 SP04 (S4 2021) or
- SAP_BASIS 750, SP17 for SAP_APPL 618 SP17 (ERP)

Software Component version (minimum) required for RDM Software Component ITO

- SAP_BASIS 756, SP04 for S4CORE 106 SP04 (S4 2021) or
- SAP_BASIS 750, SP17 for SAP_APPL 618 SP17 (ERP)
- ITG 805, SP15

Software Component versions (minimum) for RDM Software Component ITU

- SAP_BASIS 756, SP04 for S4CORE 108 SP00 (S4 2023)
- MDG_FND 808, SP00
- MDG_APPL 808, SP00
- ITG 805, SP15
- ITO 805, SP15

Software Component versions (minimum) required for RDM Software Component ITR

- SAP_BASIS 756, SP04 for S4CORE 108 SP00 (S4 2023)
- MDG_FND 808, SP00
- MDG_APPL 808, SP00
- ITG 805, SP15
- ITO 805, SP15
- ITU 805, SP08

3 Installation or Upgrade

The following section provides an overview of the installation and upgrade steps which have to be executed on the SAP MDG and the SAP Business Systems. Installation means to install all delivered files for all software component versions. Upgrade means to install all delivered files which are necessary to upgrade from the current software component versions to the target versions.

Please make sure that you do create backups before you install or upgrade and ensure that after the installation or upgrade necessary configuration steps are carried out based on the Configuration Guide for RDM. Even for an upgrade there are usually at least some additional BC Sets to be activated.

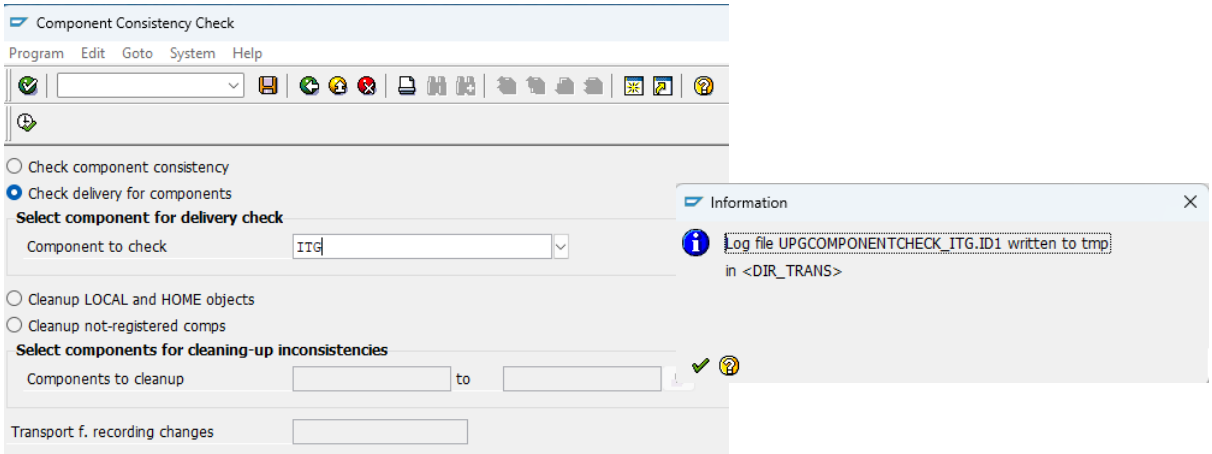
In the case of an upgrade, please consider SAP note 2318321 "Differences in SUM for the rescue of Non-SAP objects between load and delta procedure".

Note: If you plan an SAP S/4 upgrade, you have to ensure that the latest RDM version is installed. This is the only way to ensure that RDM patches which have been installed will remain in your system. For this, execute program */ITG/CHECK_DELIVERY* before you start the upgrade process.

Please do the check for all software components which are delivered with Itego RDM:

- ITG, ITO, ITU, ITR for the MDG system
- ITG and ITO for the business systems

Send the generated log files to support@itego.de and request the archives which are required for the upgrade.



3.1 SAP MDG System

RDM installed on the SAP MDG (in contrast to RDM installed on SAP Business Systems described in the next section) require all delivered software components to be installed if Reference Data Governance (RDG) shall be used. If only Reference Data Harmonization (RDH) shall be used, the installation steps are the same as for the SAP Business Systems. In this case you should not install the files contained in the archive for RDG. See the following sections for more details.

3.1.1 Upload Installation or Upgrade files

Please use SAINT to run a new RDM 805 installation or run SPAM if an RDM 805 upgrade is to be installed. For your reference take a look at the installation example in chapter 0.

Installation or Upgrade files are delivered as archive files (using the SAR format). For the RDM components on the MDG system use one or more of the following archives (for RDG two, for RDH without RDG only one):

- "RDM_MDG_805_R2511.SAR" (for RDG, not needed for RDH)
- "RDM_BUSSYS_805_R2511.SAR" (for RDG and RDH)

Using the correct archive files ensures the installation or upgrade of the correct software components and software component versions.

Upload the Installation to the installation directory of the Application Server (e.g. .../EPS/in).

Note: In general, the installation sequence for the SWCs (software components) should be followed as described below (ITG->ITO->ITU->ITR). Anyways, as starting with RDM 2511 also a "one step mode" is offered (please check the installation and upgrade examples) it is possible to do this as described in the examples.

3.1.2 Install ITG (for RDG and RDH)

Software Component ITG is used for RDG and RDH and needs to be installed independent from the installation scenario.

Execute transaction SAINT/SPAM and navigate to Installation Package -> Load Packages -> EPS Files from Application Server and confirm the Upload. After the Upload start the Installation process by clicking the "Start" button.

Choose „ITG" from the installable Add-on packages and click the „Continue" button and also continue the process by clicking the "Continue" button on the next screens ("Support

Package Selection" and "Installation queue"). These screen should show the support package level and the OCS Package name.

Click "No" if you are prompted for "Modification Adjustment Transports" and confirm the installation process ("Add-On ITG … is being installed") on the next screen.

Click "Finish" to complete the process after the software component has been installed.

3.1.3 Install ITO (for RDG and RDH)

Software Component ITO is used for RDG and RDH and needs to be installed independent from the installation scenario.

Execute transaction SAINT/SPAM and navigate to Installation Package -> Load Packages -> EPS Files from Application Server and confirm the Upload. After the Upload start the Installation process by clicking the "Start" button.
Choose „ITO" from the installable Add-on packages and click the „Continue" button and also continue the process by clicking the "Continue" button on the next screens ("Support Package Selection" and "Installation queue"). These screen should show the support package level and the OCS Package name.

Click "No" if you are prompted for "Modification Adjustment Transports" and confirm the installation process ("Add-On ITO … is being installed") on the next screen.

Click "Finish" to complete the process after the software component has been installed.

3.1.4 Install ITU (for RDG only)

Software Component ITU is used only for RDG and needs to be installed if RDG is used.

Execute transaction SAINT/SPAM and navigate to Installation Package -> Load Packages -> EPS Files from Application Server and confirm the Upload. After the Upload start the Installation process by clicking the "Start" button.

Choose „ITU" from the installable Add-on packages and click the „Continue" button and also continue the process by clicking the "Continue" button on the next screens ("Support Package Selection" and "Installation queue"). These screen should show the support package level and the OCS Package name.

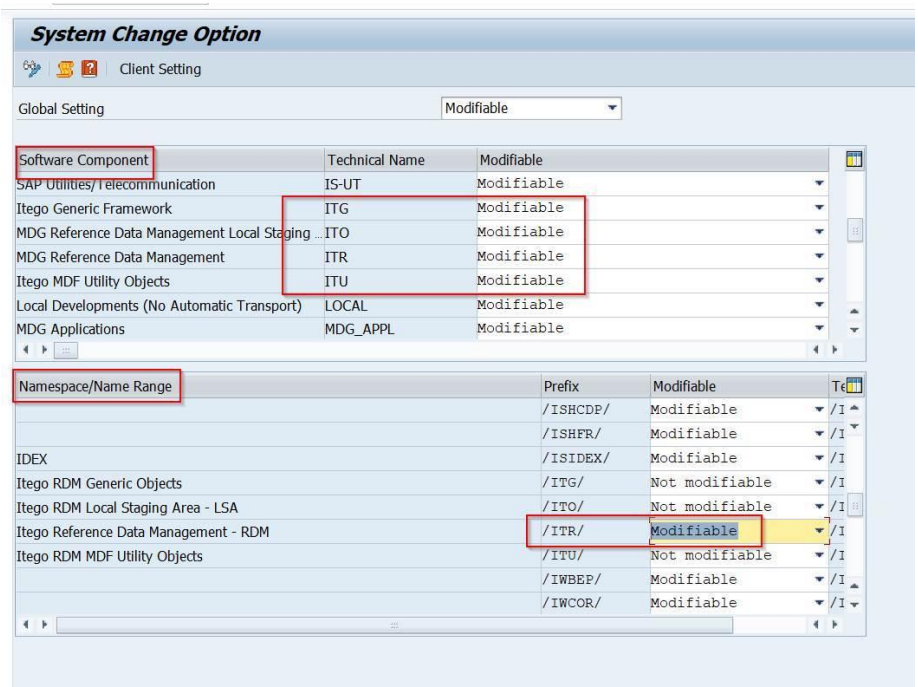
Click "No" if you are prompted for "Modification Adjustment Transports" and confirm the installation process ("Add-On ITU … is being installed") on the next screen.

Click “Finish” to complete the process after the software component has been installed.

3.1.5 Install ITR (for RDG only)

Software Component ITR is used only for RDG and needs to be installed if RDG is used.

Check in transaction SE06 if namespace /ITR/ is set to modifiable (see screenshot below). If not change the setting to modifiable and don’t forget to press the SAVE button.



Execute transaction SAINT/SPAM and navigate to Installation Package -> Load Packages -> EPS Files from Application Server and confirm the Upload. After the Upload start the Installation process by clicking the “Start” button.

Choose „ITR“ from the installable Add-on packages and click the „Continue“ button and also continue the process by clicking the “Continue” button on the next screens (“Support Package Selection” and “Installation queue”). These screen should show the support package level and the OCS Package name.

Click “No” if you are prompted for “Modification Adjustment Transports” and confirm the installation process (“Add-On ITR … is being installed”) on the next screen.

Click “Finish” to complete the process after the software component has been installed.

3.1.6 Verification

Please verify that the software component versions listed in section 2 “Versions and Prerequisites” have been installed.

3.1.7 Activate Business Functions

Please make sure that the necessary Business Functions are activated as described in the Configuration Guide in section “Activate Business Functions”.

Important Note: without this other system activities like Upgrading the SAP S/4 system might be affected.

3.1.8 Activate Data Model I1

Please make sure that the Data Model I1 is activated as described in the Configuration Guide in section “Activate Data Model I1”.

Important Note: without this other system activities like Upgrading the SAP S/4 system might be affected.

3.2 SAP Business Systems

RDM installed on SAP Business Systems (which are not MDG based) delivers functionalities which help to consolidate, synchronize and govern reference data. For consolidation the SAP Business system acts as a sender, for synchronization and governance it acts as a receiver.

Depending on the implementation scenario the Software Components ITG and ITO need to be installed on one or more SAP Business Systems. Execute the activities described below for each SAP Business System.

Important Note: Based on the reduced functionality of RDM on SAP Business Systems, software components ITR and ITU (which are SAP MDG based and deliver additional functionalities) are not required on any SAP Business System and must not be installed. Please use the correct installation file archives (SAR format). See next section for more details.

3.2.1 Upload Installation or Upgrade files

Installation and upgrade files are delivered as archive files (using the SAR format). For the installation or the upgrade of RDM on the business systems please use the following archive:

- "RDM_BUSSYS_805_R2511.SAR"

Using the correct archive files ensures the installation or upgrade of the correct software components and software component versions.

Upload the Installation to the installation directory of the Application Server (e.g. .../EPS/in).

Note: In general, the installation sequence for the SWCs (software components) should be followed as described below (ITG->ITO). Anyways, as starting with RDM 2511 also a "one step mode" is offered (please check the installation and upgrade examples) it is possible to do this as described in the examples.

3.2.2 Install ITG

Execute transaction SAINT or SPAM (if version RDM 805 is already installed) and navigate to Installation Package -> Load Packages -> EPS Files from Application Server and confirm the Upload. After the Upload start the Installation process by clicking the "Start" button.

Choose „ITG" from the installable Add-on packages and click the „Continue" button and also continue the process by clicking the "Continue" button on the next screens ("Support Package Selection" and "Installation queue"). These screen should show the support package level and the OCS Package name.

Click “No” if you are prompted for “Modification Adjustment Transports” and confirm the installation process (“Add-On ITG … is being installed”) on the next screen.

Click “Finish” to complete the process after the software component has been installed.

3.2.3 Install ITO

Execute transaction SAINT or SPAM (if version RDM 805 is already installed) and navigate to Installation Package -> Load Packages -> EPS Files from Application Server and confirm the Upload. After the Upload start the Installation process by clicking the “Start” button.

Choose „ITO“ from the installable Add-on packages and click the „Continue“ button and also continue the process by clicking the “Continue” button on the next screens (“Support Package Selection” and “Installation queue”). These screen should show the support package level and the OCS Package name.

Click “No” if you are prompted for “Modification Adjustment Transports” and confirm the installation process (“Add-On ITO … is being installed”) on the next screen.

Click “Finish” to complete the process after the software component has been installed.

3.2.4 Verification

Please verify that the software component versions listed in section 2 “Versions and Prerequisites” have been installed.

4 Uninstallation

4.1 Uninstallation from SAP MDG

An SAP certified automated uninstallation of RDM software component ITR is not possible due to missing uninstallation support for SAP MDG Add-Ons from SAP. This also means that there is no guarantee that the software components ITO, ITG and ITU can be uninstalled from the SAP MDG without any side effects.

Be aware that this process (as shown in the example from chapter 6) has been tested on several versions and systems, and no side effects have been noticed by Itego. Anyways, please contact: support@itego.de - Subject: "RDM Uninstallation" to inform us. We will guide you through the process which usually starts with an upgrade to the newest RDM version.

4.2 Uninstallation from SAP Business Systems

Uninstallation of RDM software components ITO and ITG is possible from SAP Business Systems.

Prerequisite: Ensure that the Local Staging Area has been cleared from any maintained reference data object. For this execute transaction /ITR/STAGING for all object types. Refer to "Reference Data Management for SAP MDG - Functional Documentation" for further details.

Start and finalize the Uninstallation by using transaction "SAINT", selecting "Uninstallable components" -> ITO -> Start and selecting "Uninstallable components" -> ITG -> Start.

5 Installation Example

5.1 Installation: 2511 Example (MDG system)

To install Itego RDM Add-On and Support Packages you have to use the SAP transactions

- SAINT (SAP Add-On Installation Tool)
- SPAM (Support Package Manager)

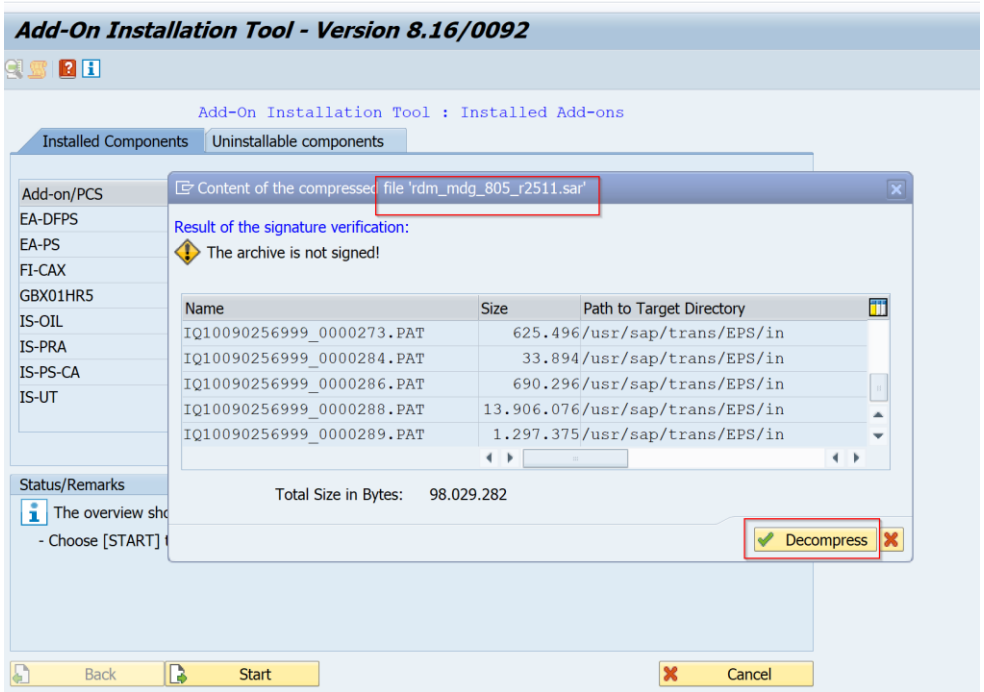
Note: Please check if the newest version of SPAM/SAINT has been installed. Current version used at Itego: 0092.

Installation or Upgrade files are delivered as archive files (using the SAR format). For the RDM components on the MDG system use one or more of the following archives (for RDG two, for RDH without RDG only one):

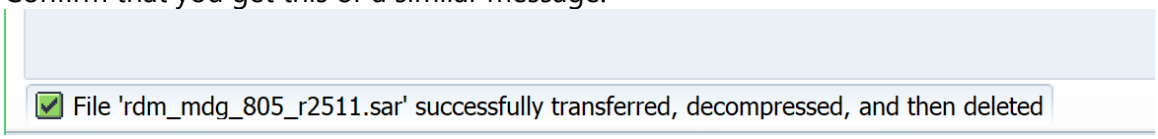
- "RDM_MDG_805_R2511.SAR" (for RDG, not needed for RDH)
- "RDM_BUSSYS_805_R2511.SAR" (for RDG and RDH)

Load SAR files:

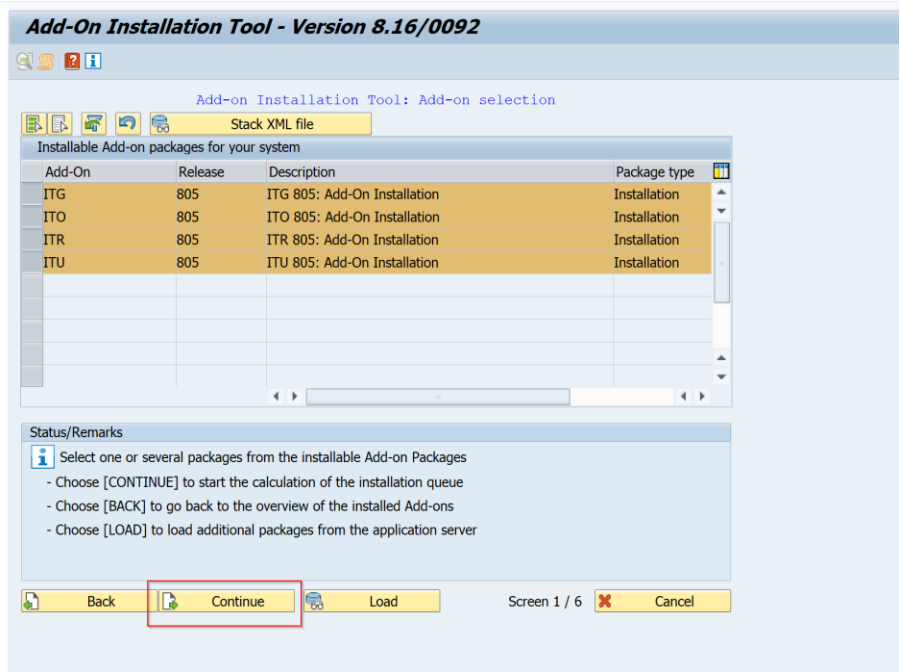
Installation of PAT Files (extracted from SAR Files):



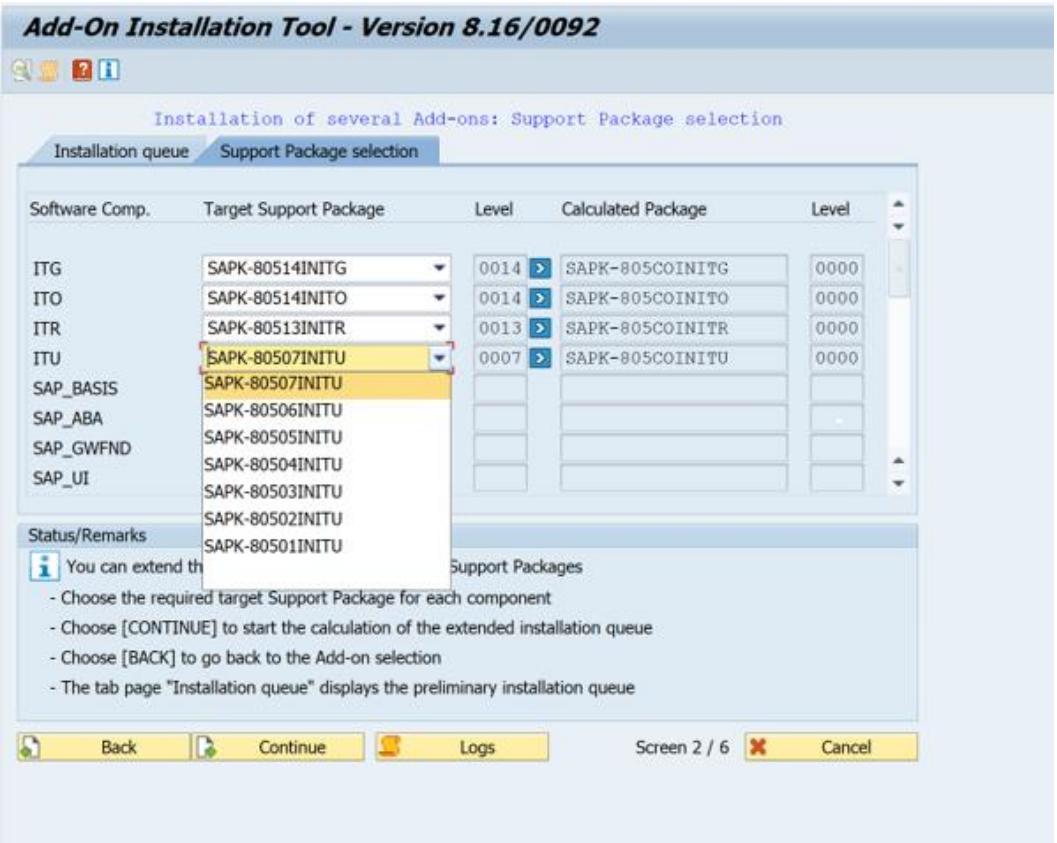
Confirm that you get this or a similar message:

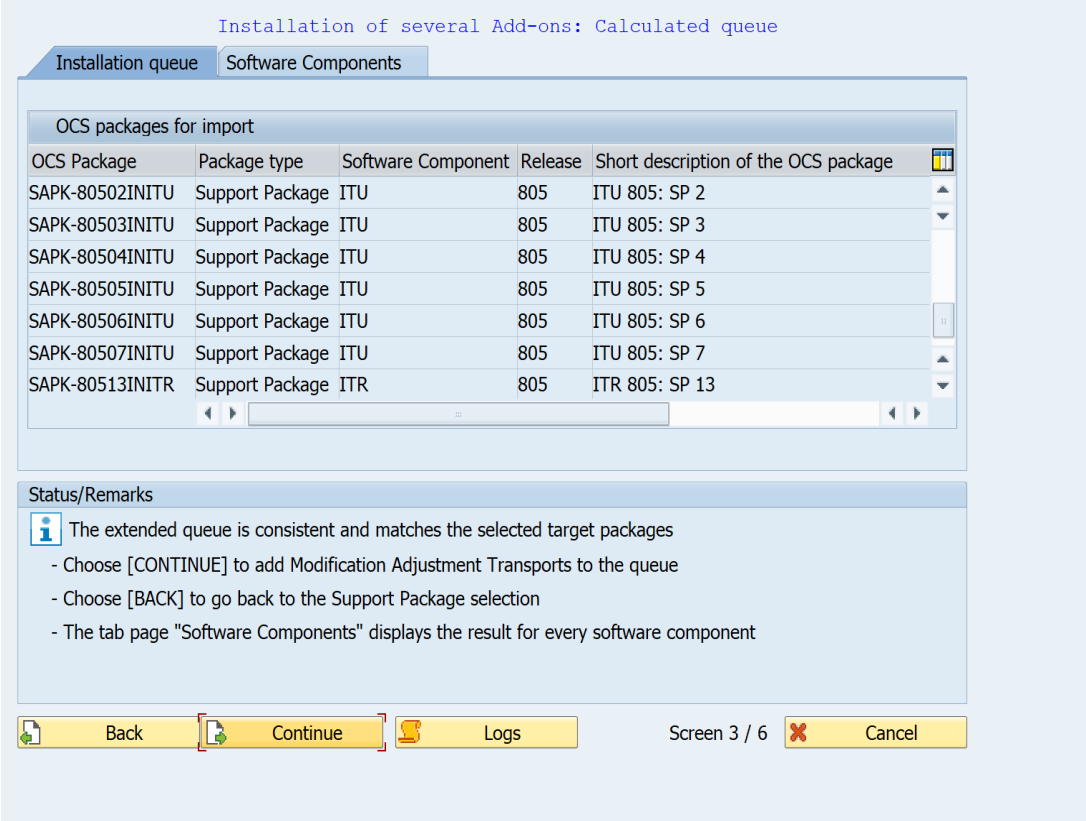


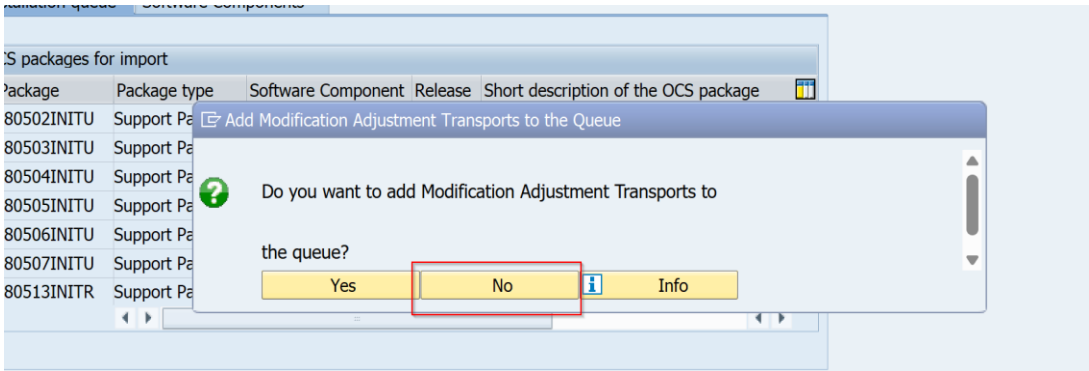
Starting with RDM 2511 you can choose all four SWCs and to start the installation, you click: „Continue“

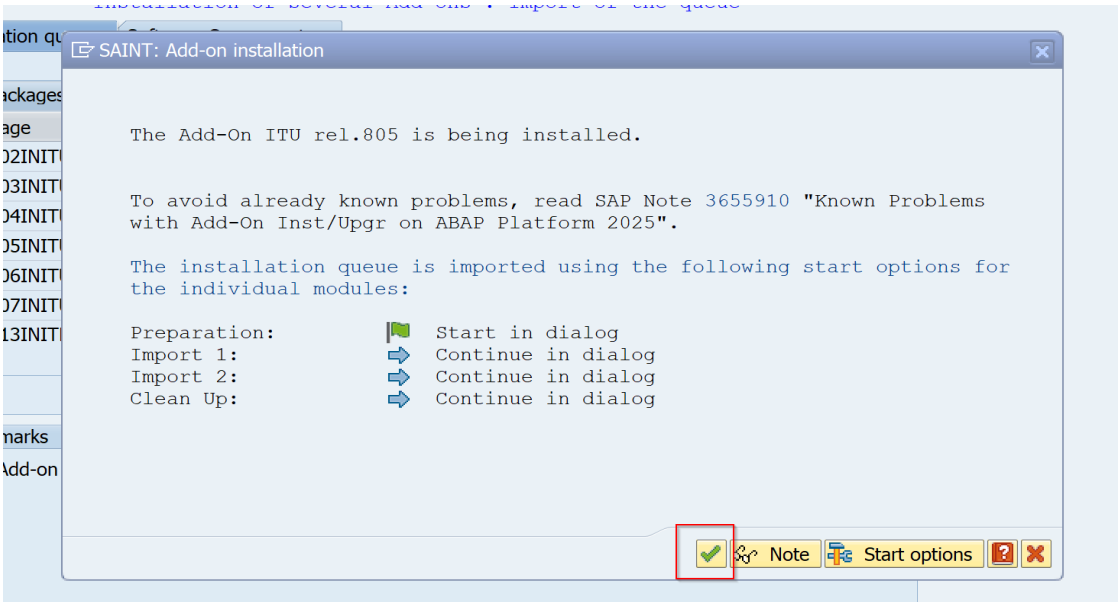


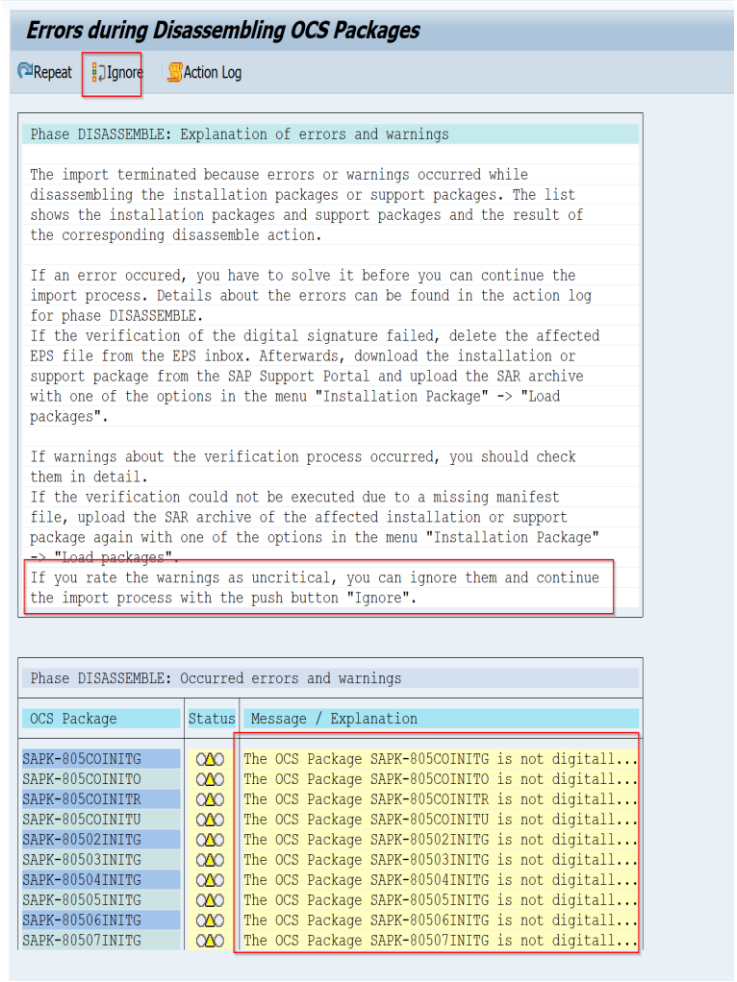
For all SWCs select the complete set of SPs. This leads to a installation of all SWCs with all SPs.

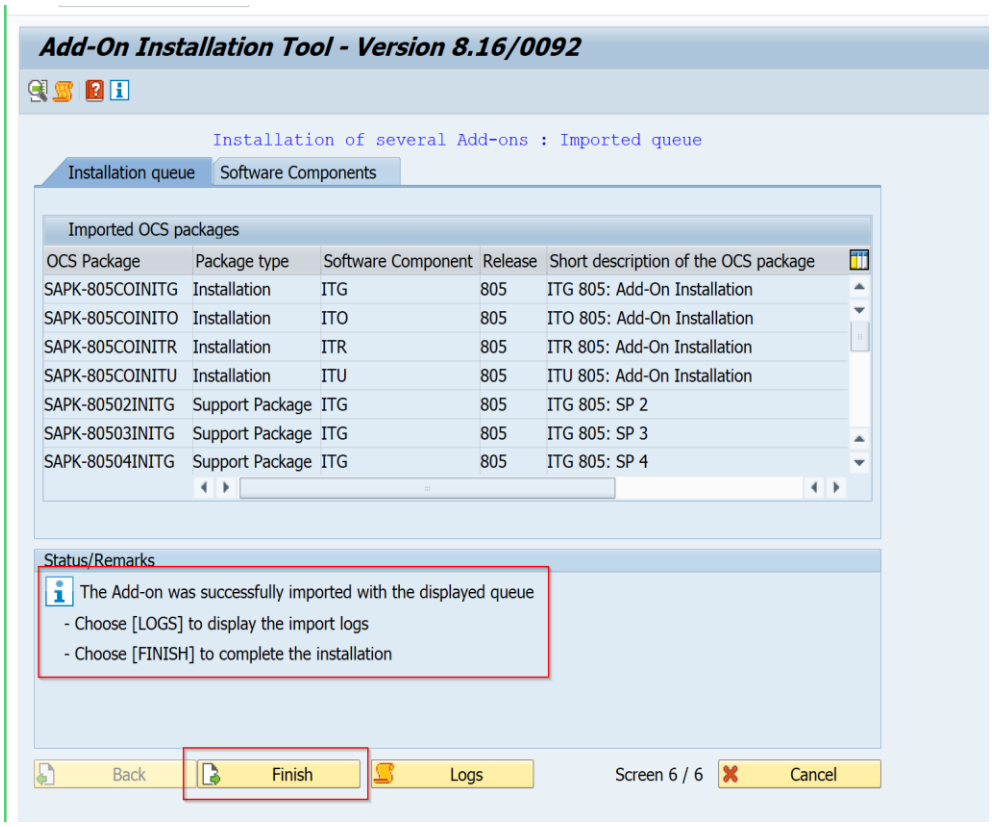


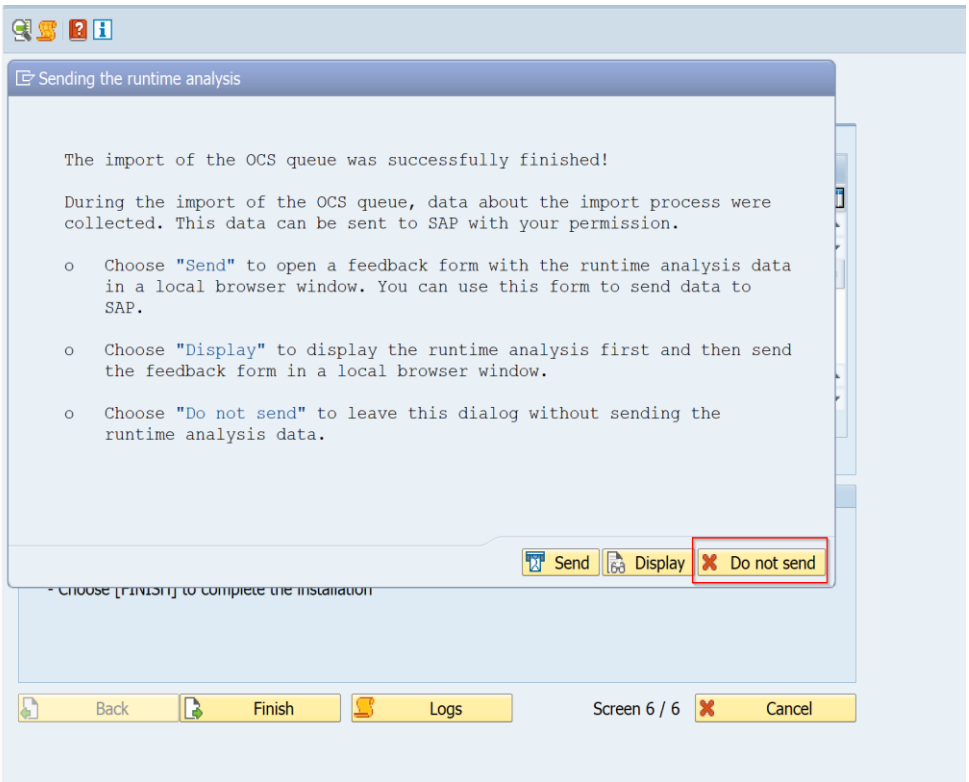

Installation of several Add-ons: Calculated queue
Installation queue
Software Components
OCS packages for import
OCS Package | Package type | Software Component | Release | Short description of the OCS package
SAPK-80502INITU | Support Package | ITU | 805 | ITU 805: SP 2
SAPK-80503INITU | Support Package | ITU | 805 | ITU 805: SP 3
SAPK-80504INITU | Support Package | ITU | 805 | ITU 805: SP 4
SAPK-80505INITU | Support Package | ITU | 805 | ITU 805: SP 5
SAPK-80506INITU | Support Package | ITU | 805 | ITU 805: SP 6
SAPK-80507INITU | Support Package | ITU | 805 | ITU 805: SP 7
SAPK-80513INITR | Support Package | ITR | 805 | ITR 805: SP 13
Status/Remarks
The extended queue is consistent and matches the selected target packages
- Choose [CONTINUE] to add Modification Adjustment Transports to the queue
- Choose [BACK] to go back to the Support Package selection
- The tab page "Software Components" displays the result for every software component
Back
Continue
Logs
Screen 3 / 6
Cancel


Add Modification Adjustment Transports to the Queue
Do you want to add Modification Adjustment Transports to
the queue?
Yes
No
Info

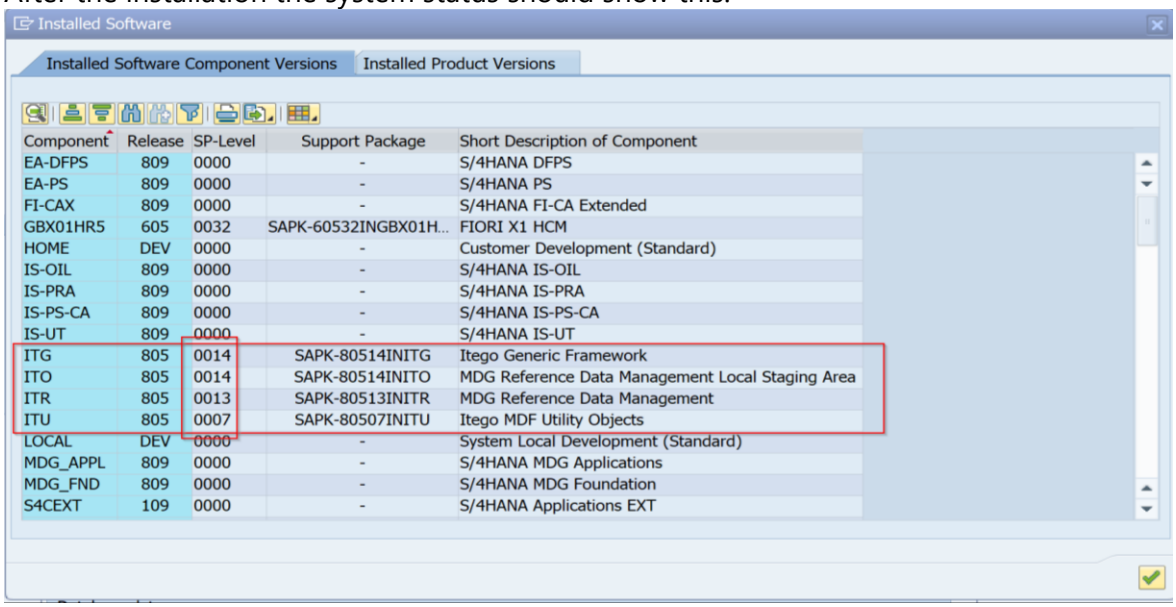

SAINT: Add-on installation
The Add-On ITU rel.805 is being installed.
To avoid already known problems, read SAP Note 3655910 "Known Problems with Add-On Inst/Upgr on ABAP Platform 2025".
The installation queue is imported using the following start options for the individual modules:
Preparation: Start in dialog
Import 1: Continue in dialog
Import 2: Continue in dialog
Clean Up: Continue in dialog
Note
Start options


Errors during Disassembling OCS Packages
Repeat
Ignore
Action Log
Phase DISASSEMBLE: Explanation of errors and warnings
The import terminated because errors or warnings occurred while disassembling the installation packages or support packages. The list shows the installation packages and support packages and the result of the corresponding disassemble action.
If an error occured, you have to solve it before you can continue the import process. Details about the errors can be found in the action log for phase DISASSEMBLE.
If the verification of the digital signature failed, delete the affected EPS file from the EPS inbox. Afterwards, download the installation or support package from the SAP Support Portal and upload the SAR archive with one of the options in the menu "Installation Package" -> "Load packages".
If warnings about the verification process occurred, you should check them in detail.
If the verification could not be executed due to a missing manifest file, upload the SAR archive of the affected installation or support package again with one of the options in the menu "Installation Package" -> "Load packages".
If you rate the warnings as uncritical, you can ignore them and continue the import process with the push button "Ignore".
Phase DISASSEMBLE: Occurred errors and warnings
OCS Package
Status
Message / Explanation
SAPK-805COINITG The OCS Package SAPK-805COINITG is not digitall...
SAPK-805COINITO The OCS Package SAPK-805COINITO is not digitall...
SAPK-805COINITR The OCS Package SAPK-805COINITR is not digitall...
SAPK-805COINITU The OCS Package SAPK-805COINITU is not digitall...
SAPK-80502INITG The OCS Package SAPK-80502INITG is not digitall...
SAPK-80503INITG The OCS Package SAPK-80503INITG is not digitall...
SAPK-80504INITG The OCS Package SAPK-80504INITG is not digitall...
SAPK-80505INITG The OCS Package SAPK-80505INITG is not digitall...
SAPK-80506INITG The OCS Package SAPK-80506INITG is not digitall...
SAPK-80507INITG The OCS Package SAPK-80507INITG is not digitall...


Add-On Installation Tool - Version 8.16/0092
Installation of several Add-ons : Imported queue
Installation queue
Software Components
Imported OCS packages
OCS Package | Package type | Software Component | Release | Short description of the OCS package
SAPK-805COINITG | Installation | ITG | 805 | ITG 805: Add-On Installation
SAPK-805COINITO | Installation | ITO | 805 | ITO 805: Add-On Installation
SAPK-805COINITR | Installation | ITR | 805 | ITR 805: Add-On Installation
SAPK-805COINITU | Installation | ITU | 805 | ITU 805: Add-On Installation
SAPK-80502INITG | Support Package | ITG | 805 | ITG 805: SP 2
SAPK-80503INITG | Support Package | ITG | 805 | ITG 805: SP 3
SAPK-80504INITG | Support Package | ITG | 805 | ITG 805: SP 4
Status/Remarks
The Add-on was successfully imported with the displayed queue
- Choose [LOGS] to display the import logs
- Choose [FINISH] to complete the installation
Back
Finish
Logs
Screen 6 / 6
Cancel


Sending the runtime analysis
The import of the OCS queue was successfully finished!
During the import of the OCS queue, data about the import process were collected. This data can be sent to SAP with your permission.
o Choose "Send" to open a feedback form with the runtime analysis data in a local browser window. You can use this form to send data to SAP.
o Choose "Display" to display the runtime analysis first and then send the feedback form in a local browser window.
o Choose "Do not send" to leave this dialog without sending the runtime analysis data.
Send
Display
Do not send
Back
Finish
Logs
Screen 6 / 6
Cancel

After the installation the system status should show this:



Installed Software

Installed Software Component Versions | Installed Product Versions

Component	Release	SP-Level	Support Package	Short Description of Component
EA-DFPS	809	0000	-	S/4HANA DFPS
EA-PS	809	0000	-	S/4HANA PS
FI-CAX	809	0000	-	S/4HANA FI-CA Extended
GBX01HR5	605	0032	SAPK-60532INGBX01H...	FIORI X1 HCM
HOME	DEV	0000	-	Customer Development (Standard)
IS-OIL	809	0000	-	S/4HANA IS-OIL
IS-PRA	809	0000	-	S/4HANA IS-PRA
IS-PS-CA	809	0000	-	S/4HANA IS-PS-CA
IS-UT	809	0000	-	S/4HANA IS-UT
ITG	805	0014	SAPK-80514INITG	Itego Generic Framework
ITO	805	0014	SAPK-80514INITO	MDG Reference Data Management Local Staging Area
ITR	805	0013	SAPK-80513INITR	MDG Reference Data Management
ITU	805	0007	SAPK-80507INITU	Itego MDF Utility Objects
LOCAL	DEV	0000	-	System Local Development (Standard)
MDG_APPL	809	0000	-	S/4HANA MDG Applications
MDG_FND	809	0000	-	S/4HANA MDG Foundation
S4CEXT	109	0000	-	S/4HANA Applications EXT

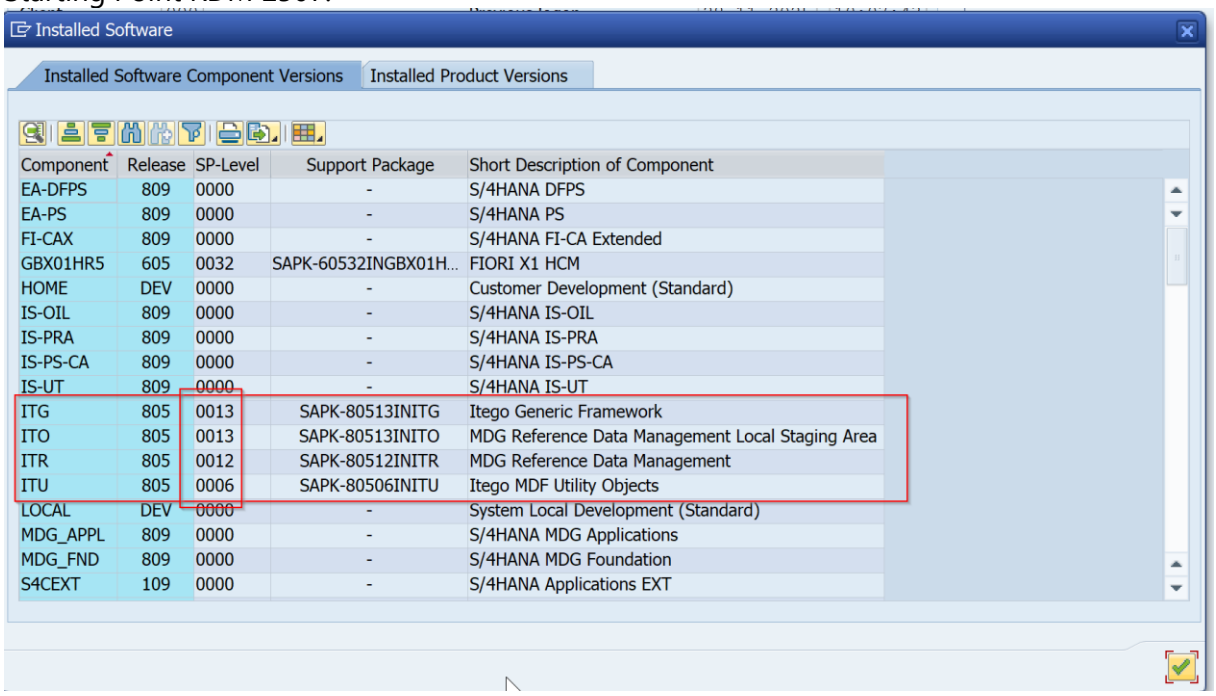
5.2 Upgrade: 2511 Example (MDG system)

To upgrade Itego RDM Add-On and Support Packages you have to use the SAP transactions

- SAINT (SAP Add-On Installation Tool)
- SPAM (Support Package Manager)

Note: Please check if the newest version of SPAM/SAINT has been installed. Current version used at Itego: 0092.

Starting Point RDM 2507:

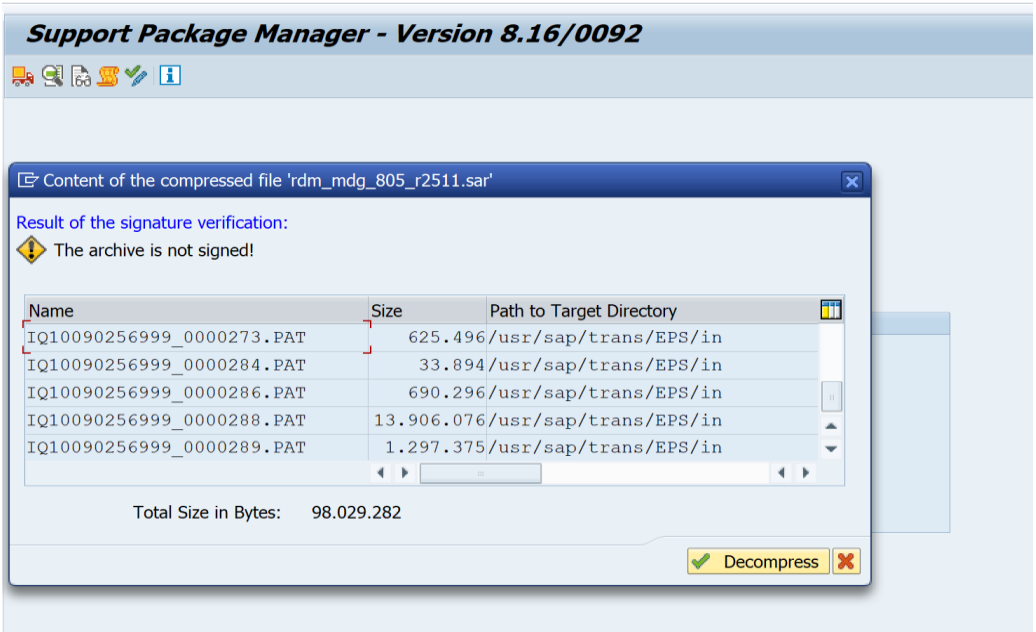


Component	Release	SP-Level	Support Package	Short Description of Component
EA-DFPS	809	0000	-	S/4HANA DFPS
EA-PS	809	0000	-	S/4HANA PS
FI-CAX	809	0000	-	S/4HANA FI-CA Extended
GBX01HR5	605	0032	SAPK-60532INGBX01H...	FIORI X1 HCM
HOME	DEV	0000	-	Customer Development (Standard)
IS-OIL	809	0000	-	S/4HANA IS-OIL
IS-PRA	809	0000	-	S/4HANA IS-PRA
IS-PS-CA	809	0000	-	S/4HANA IS-PS-CA
IS-UT	809	0000	-	S/4HANA IS-UT
ITG	805	0013	SAPK-80513INITG	Itego Generic Framework
ITO	805	0013	SAPK-80513INITO	MDG Reference Data Management Local Staging Area
ITR	805	0012	SAPK-80512INITR	MDG Reference Data Management
ITU	805	0006	SAPK-80506INITU	Itego MDF Utility Objects
LOCAL	DEV	0000	-	System Local Development (Standard)
MDG_APPL	809	0000	-	S/4HANA MDG Applications
MDG_FND	809	0000	-	S/4HANA MDG Foundation
S4CEXT	109	0000	-	S/4HANA Applications EXT

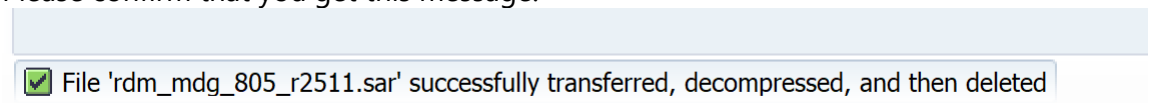
Installation or Upgrade files are delivered as archive files (using the SAR format). For the RDM components on the MDG system use one or more of the following archives (for RDG two, for RDH without RDG only one):

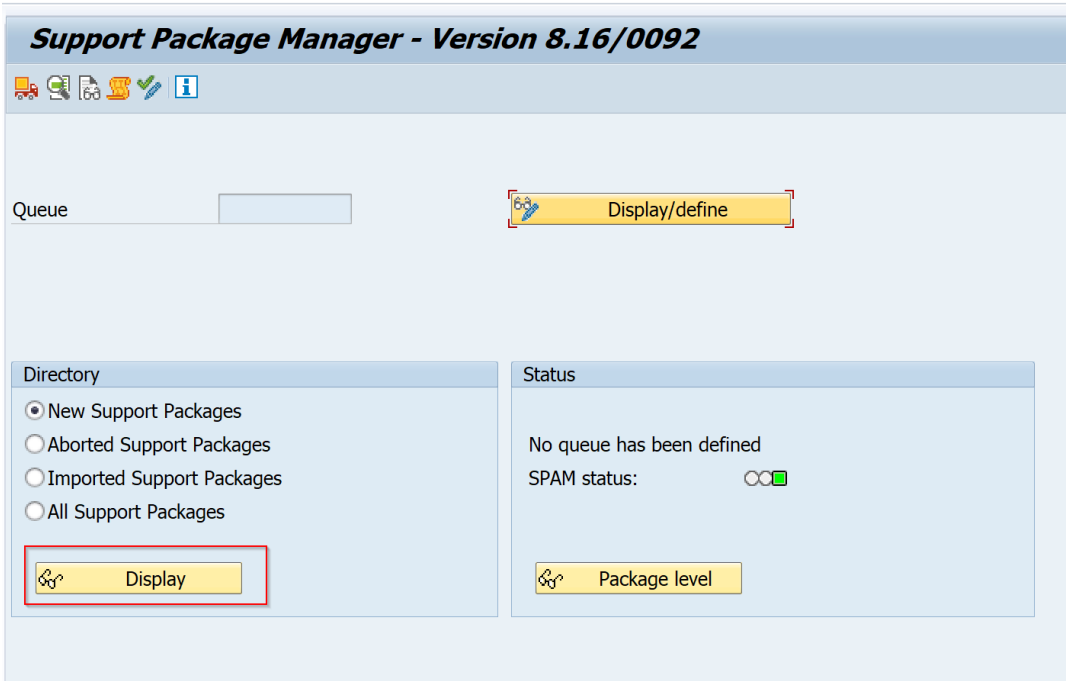
- "RDM_MDG_805_R2511.SAR" (for RDG, not needed for RDH)
- "RDM_BUSSYS_805_R2511.SAR" (for RDG and RDH)

Load SAR Files:



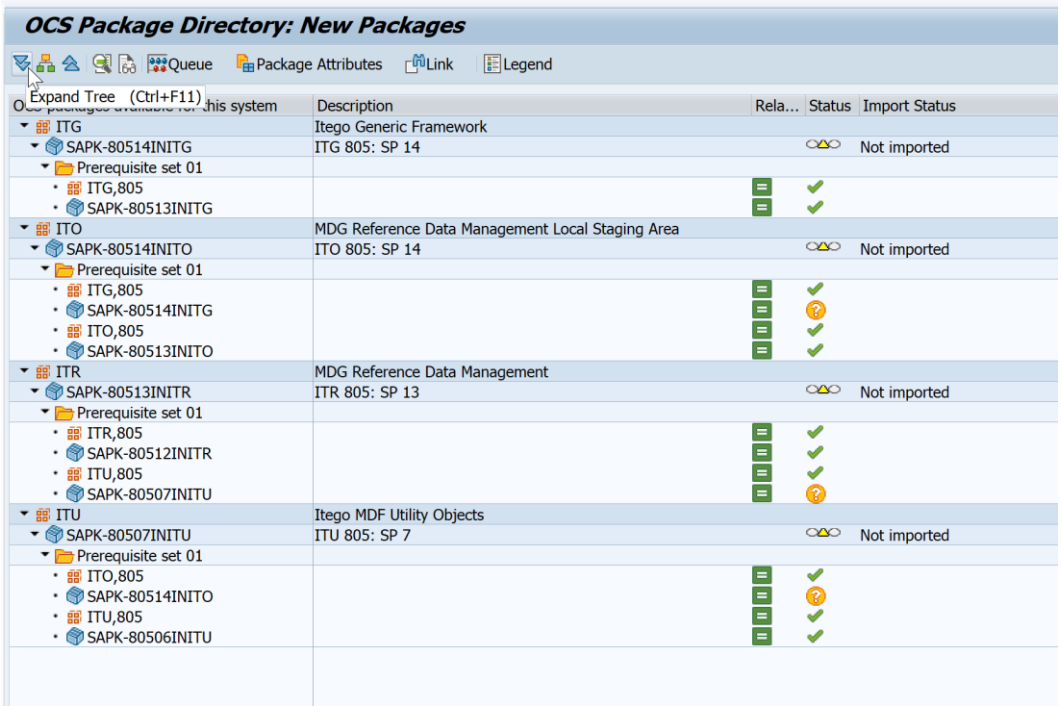
Please confirm that you get this message:





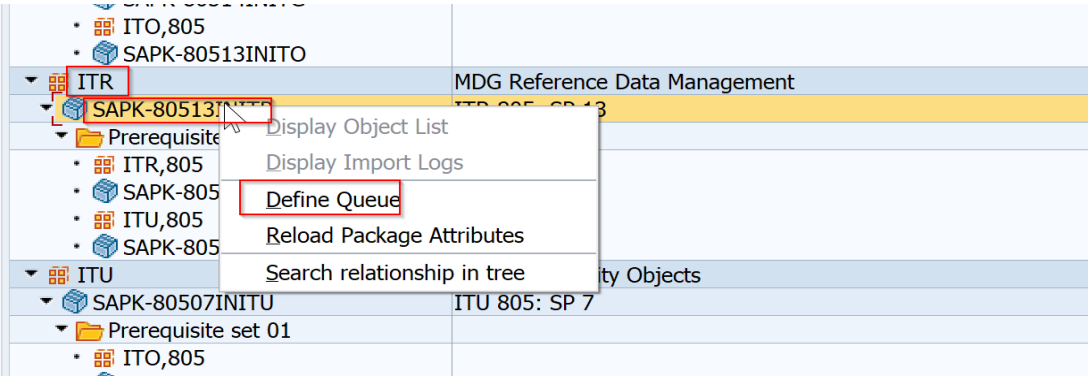
RDM 2511 is based on the following SWC:

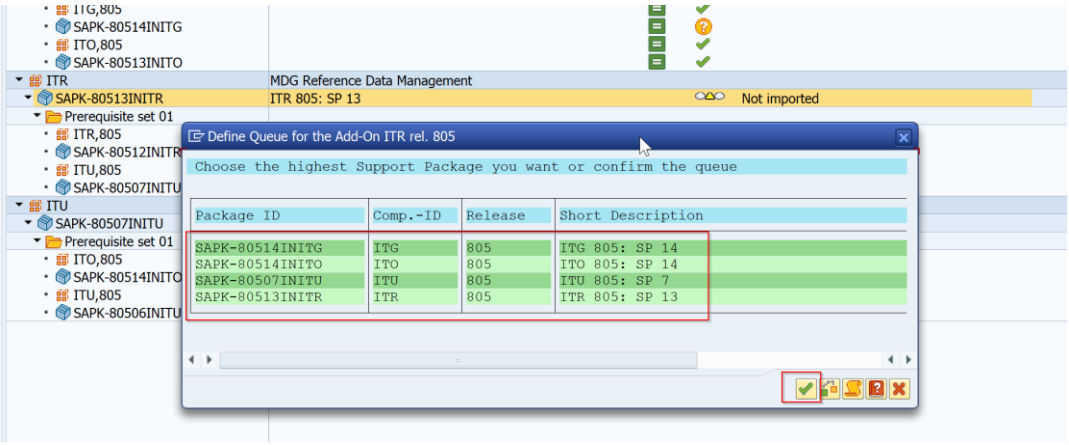
- ITG 805 SP14
- ITO 805 SP14
- ITU 805 SP07
- ITR 805 SP13



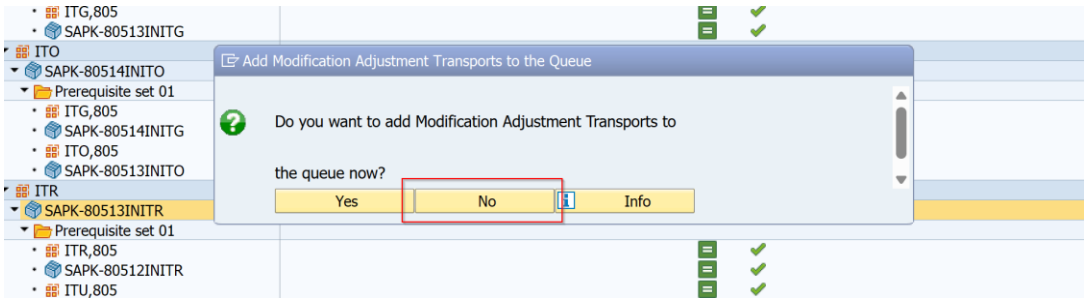
In general, the installation sequence ITG->ITO->ITU->ITR should be followed. For this it is recommended to do this in one step as the system takes care of this. To start this: Right mouse click on SAPK-80513IN**ITR**

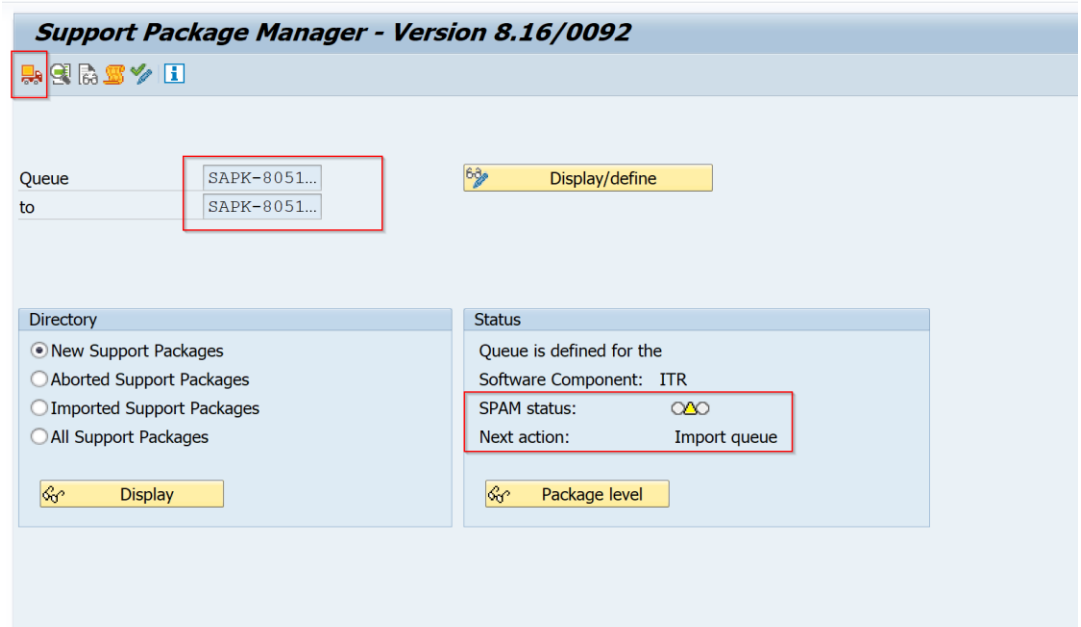
Note: If you do the installation on a business system, please use a right mouse click on SAPK-80514IN**ITO**.

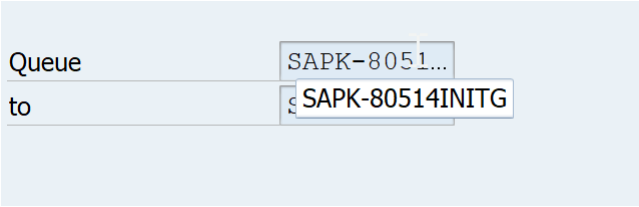


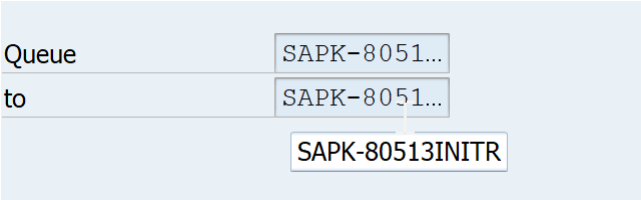


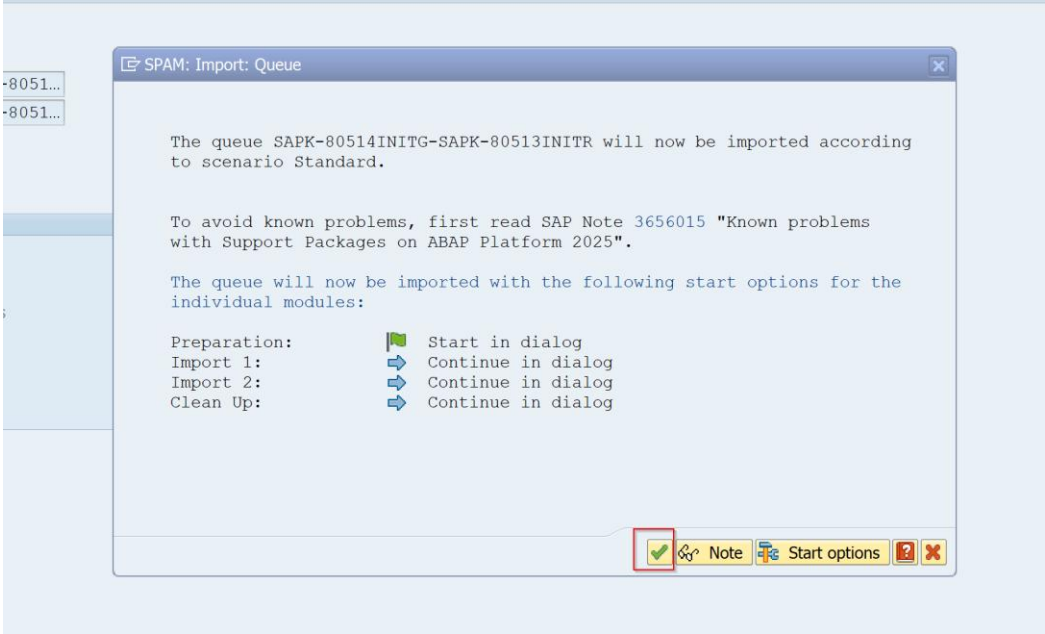
Please make sure that all relevant SWCs are selected

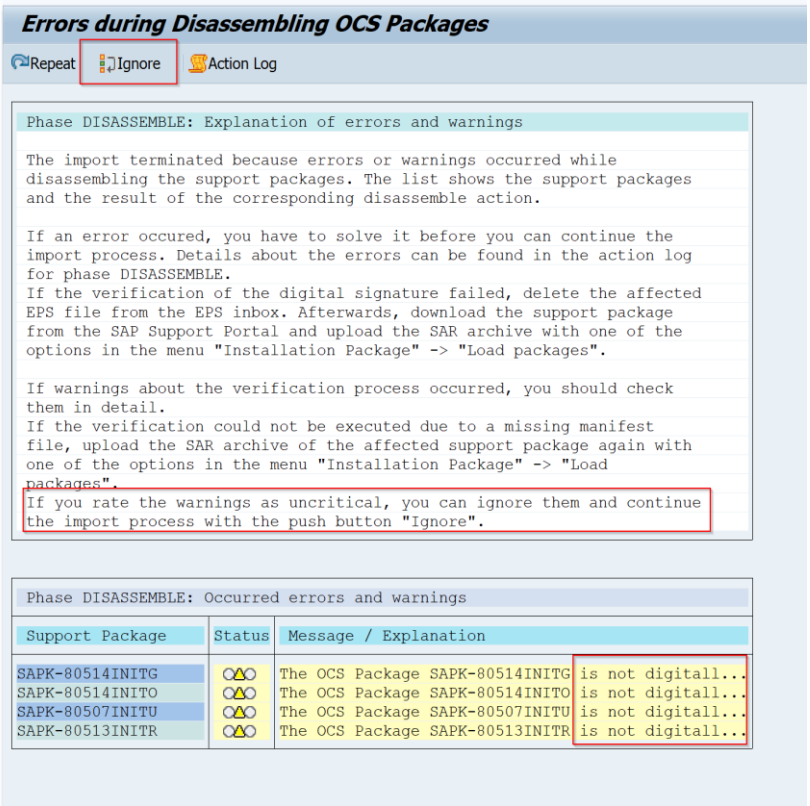


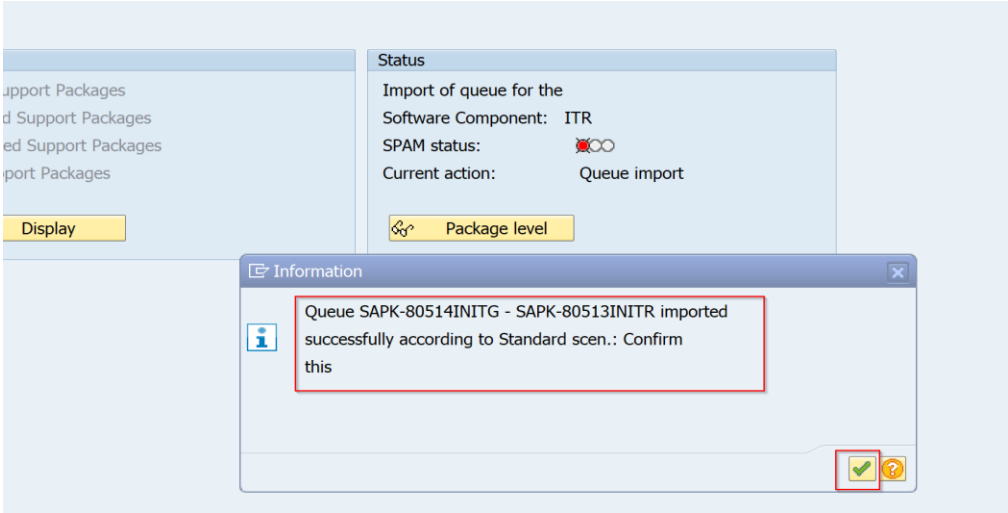


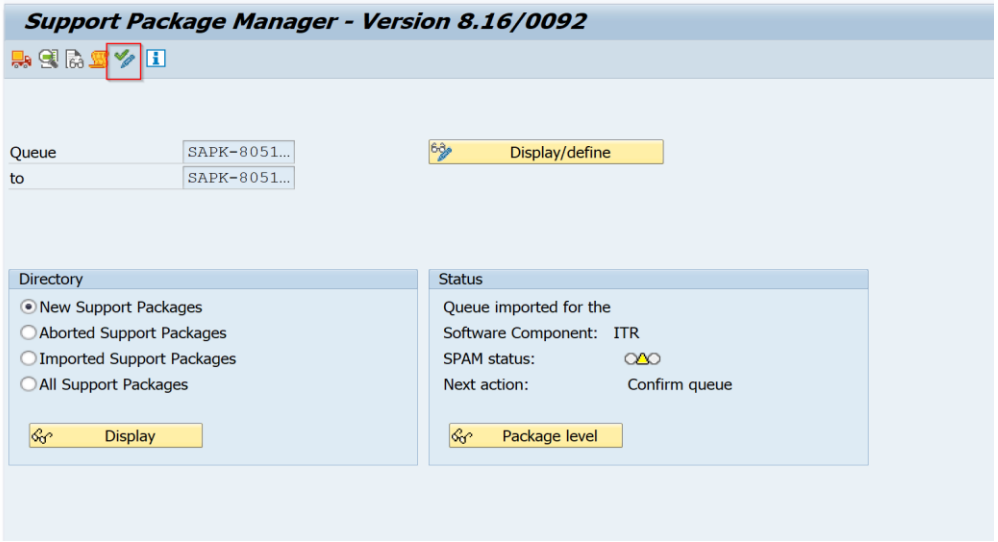

Queue
SAPK-8051...
to
SAPK-80514INITG

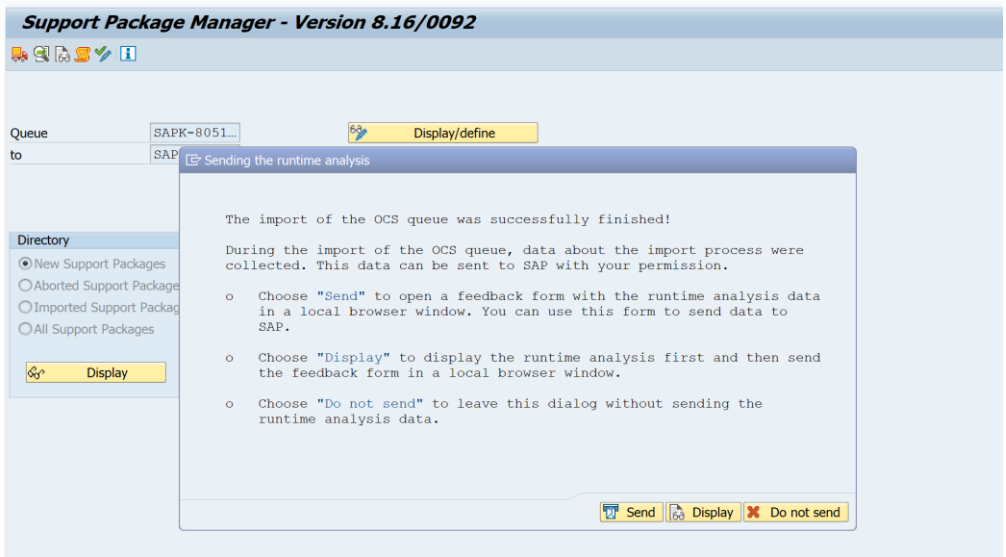

Queue
SAPK-8051...
to
SAPK-8051...
SAPK-80513INITR

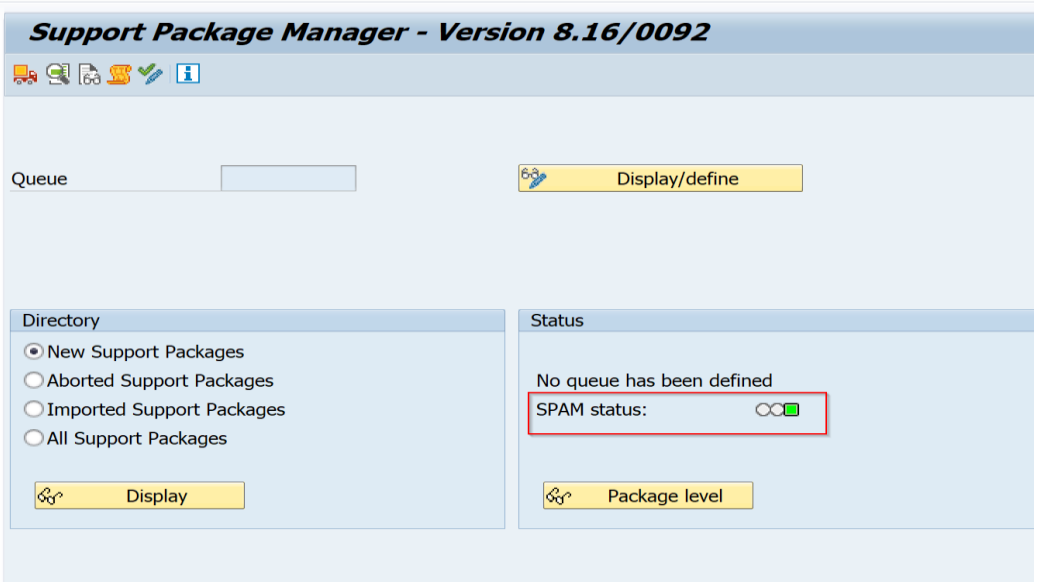

SPAM: Import: Queue
The queue SAPK-80514INITG-SAPK-80513INITR will now be imported according to scenario Standard.
To avoid known problems, first read SAP Note 3656015 "Known problems with Support Packages on ABAP Platform 2025".
The queue will now be imported with the following start options for the individual modules:
Preparation: Start in dialog
Import 1: Continue in dialog
Import 2: Continue in dialog
Clean Up: Continue in dialog
Note
Start options


Errors during Disassembling OCS Packages
Repeat
Ignore
Action Log
Phase DISASSEMBLE: Explanation of errors and warnings
The import terminated because errors or warnings occurred while disassembling the support packages. The list shows the support packages and the result of the corresponding disassemble action.
If an error occured, you have to solve it before you can continue the import process. Details about the errors can be found in the action log for phase DISASSEMBLE.
If the verification of the digital signature failed, delete the affected EPS file from the EPS inbox. Afterwards, download the support package from the SAP Support Portal and upload the SAR archive with one of the options in the menu "Installation Package" -> "Load packages".
If warnings about the verification process occurred, you should check them in detail.
If the verification could not be executed due to a missing manifest file, upload the SAR archive of the affected support package again with one of the options in the menu "Installation Package" -> "Load packages".
If you rate the warnings as uncritical, you can ignore them and continue the import process with the push button "Ignore".
Phase DISASSEMBLE: Occurred errors and warnings
Support Package
Status
Message / Explanation
SAPK-80514INITG
The OCS Package SAPK-80514INITG is not digitall...
SAPK-80514INITO
The OCS Package SAPK-80514INITO is not digitall...
SAPK-80507INITU
The OCS Package SAPK-80507INITU is not digitall...
SAPK-80513INITR
The OCS Package SAPK-80513INITR is not digitall...

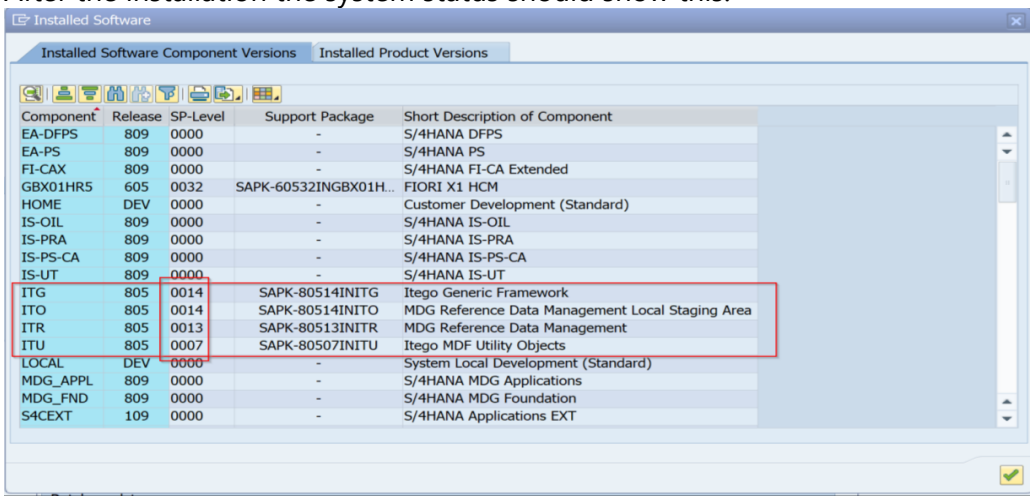

Status
Import of queue for the
Software Component: ITR
SPAM status:
Current action: Queue import
Display
Package level
Information
Queue SAPK-80514INITG - SAPK-80513INITR imported successfully according to Standard scen.: Confirm this


Support Package Manager - Version 8.16/0092
Queue
SAPK-8051...
to
SAPK-8051...
Display/define
Directory
New Support Packages
Aborted Support Packages
Imported Support Packages
All Support Packages
Display
Status
Queue imported for the
Software Component: ITR
SPAM status:
Next action: Confirm queue
Package level


Support Package Manager - Version 8.16/0092
Queue
SAPK-8051...
to
Display/define
Sending the runtime analysis
The import of the OCS queue was successfully finished!
During the import of the OCS queue, data about the import process were collected. This data can be sent to SAP with your permission.
o Choose "Send" to open a feedback form with the runtime analysis data in a local browser window. You can use this form to send data to SAP.
o Choose "Display" to display the runtime analysis first and then send the feedback form in a local browser window.
o Choose "Do not send" to leave this dialog without sending the runtime analysis data.
Send
Display
Do not send
Directory
New Support Packages
Aborted Support Package
Imported Support Packag
All Support Packages
Display



After the installation the system status should show this:



Component	Release	SP-Level	Support Package	Short Description of Component
EA-DFPS	809	0000	-	S/4HANA DFPS
EA-PS	809	0000	-	S/4HANA PS
FI-CAX	809	0000	-	S/4HANA FI-CA Extended
GBX01HR5	605	0032	SAPK-60532INGBX01H...	FIORI X1 HCM
HOME	DEV	0000	-	Customer Development (Standard)
IS-OIL	809	0000	-	S/4HANA IS-OIL
IS-PRA	809	0000	-	S/4HANA IS-PRA
IS-PS-CA	809	0000	-	S/4HANA IS-PS-CA
IS-UT	809	0000	-	S/4HANA IS-UT
ITG	805	0014	SAPK-80514INITG	Itego Generic Framework
ITO	805	0014	SAPK-80514INITO	MDG Reference Data Management Local Staging Area
ITR	805	0013	SAPK-80513INITR	MDG Reference Data Management
ITU	805	0007	SAPK-80507INITU	Itego MDF Utility Objects
LOCAL	DEV	0000	-	System Local Development (Standard)
MDG_APPL	809	0000	-	S/4HANA MDG Applications
MDG_FND	809	0000	-	S/4HANA MDG Foundation
S4CEXT	109	0000	-	S/4HANA Applications EXT

5.3 Upgrade: Old 2311 Example (MDG system)

Example with an existing RDM 2301 installation and a later version e.g. 2311, to be installed.

To install Itego RDM Add-On and Support Packages you have to use the SAP transactions

- SAINT (SAP Add-On Installation Tool)
- SPAM (Support Package Manager)

Installed RDM 2301 on SAP release version 805, it looks like:

Component	Release	SP-Level	Support Package	Short Description of Component
ITG	805	0000	-	Itego Generic Framework
ITO	805	0000	-	MDG Reference Data Management Local Staging Area
ITR	805	0000	-	MDG Reference Data Management
ITU	805	0000	-	Itego MDF Utility Objects

After installation of RDM 2311 on SAP release version 805, it looks like:

Component	Release	SP-Level	Support Package	Short Description of Component
ITG	805	0005	SAPK-80505INITG	Itego Generic Framework
ITO	805	0006	SAPK-80506INITO	MDG Reference Data Management Local Staging Area
ITR	805	0004	SAPK-80504INITR	MDG Reference Data Management
ITU	805	0000	-	Itego MDF Utility Objects

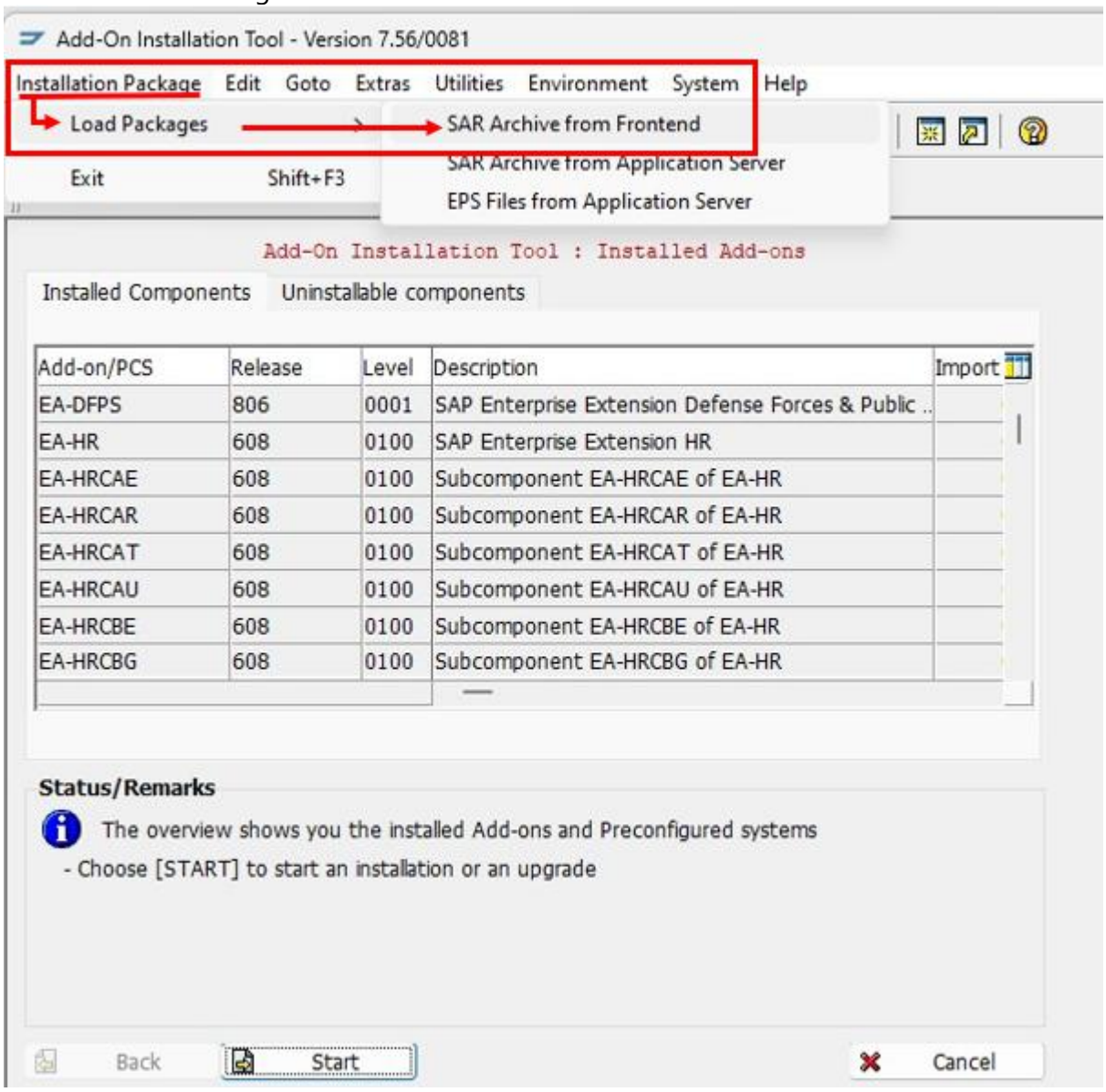
A RDM 2301 installation is not required to install RDM 2311. RDM 2311 can also installed on an initial (from the RDM point of view) system, as RDM 2311 includes RDM 2301 completely.

Example for an SAP MDG installation, which not yet has an RDM installed as Add-On:

Component	Release	SP-Level	Support Package	Short Description of Component
MDG_FND	805	0003	SAPK-80503INMDGFND	MDG Foundation
S4FND	105	0003	SAPK-10503INS4FND	Foundation
MDG_APPL	805	0003	SAPK-80503INMDGAPPL	MDG Applications

Transaction SAINT

RDM Installation using SAR Files from frontend



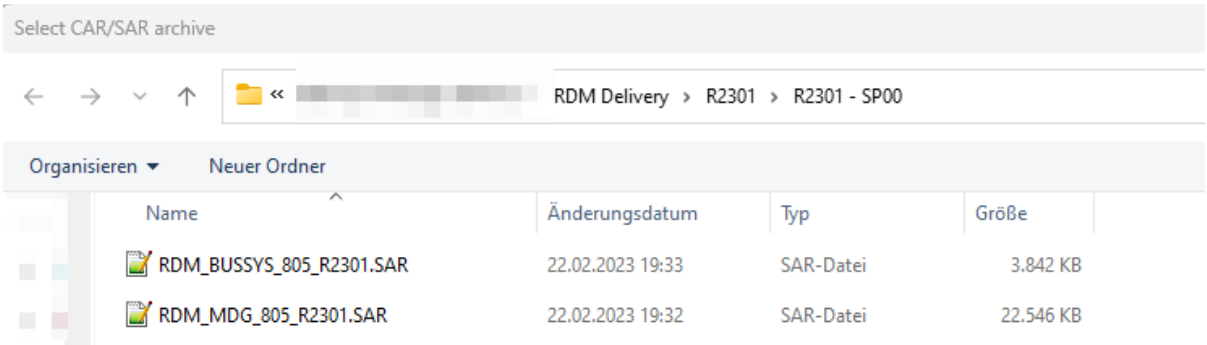
RDM installation comes with two SAR files for

- RDM Business Receiver System (ECC Backend System) with the following software components (listed in the order to be installed)
    1. ITG - Generic Framework
    2. ITO - Reference Data Management Local Staging

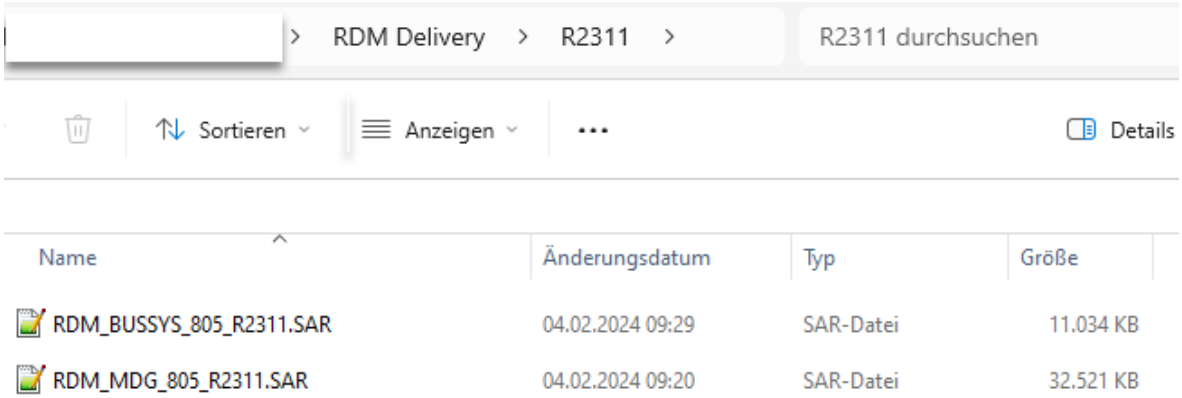
- RDM MDG System (with MDG installation) with the following software components (listed in order to be installed)
    1. ITG - Generic Framework
    2. ITU - MDF Utility Objects
    3. ITO - Reference Data Management Local Staging
    4. ITR - Reference Data Management

Naming convention of RDM SAR Files:

RDM R2301 SAR Files

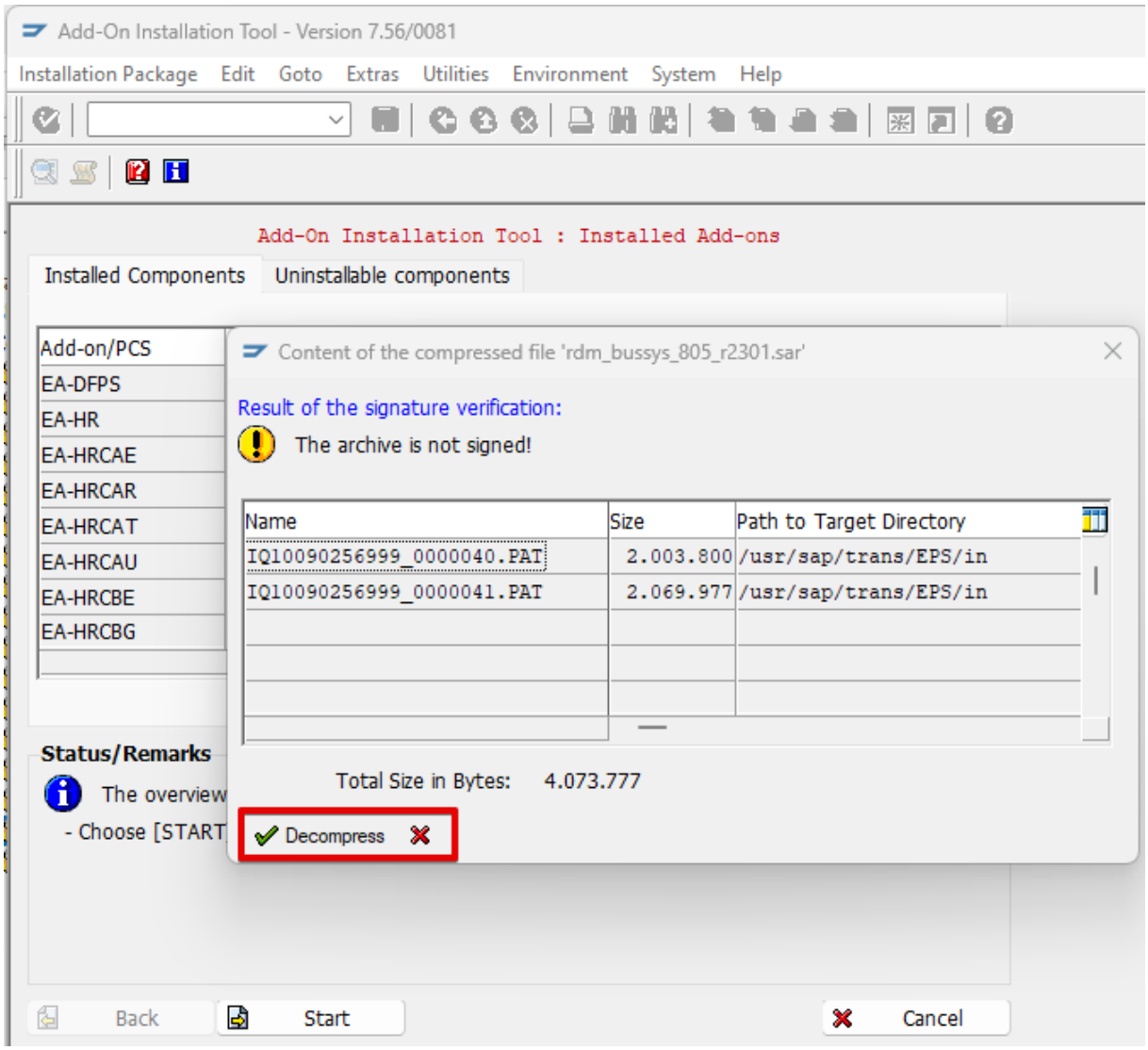


RDM R2311 SAR Files



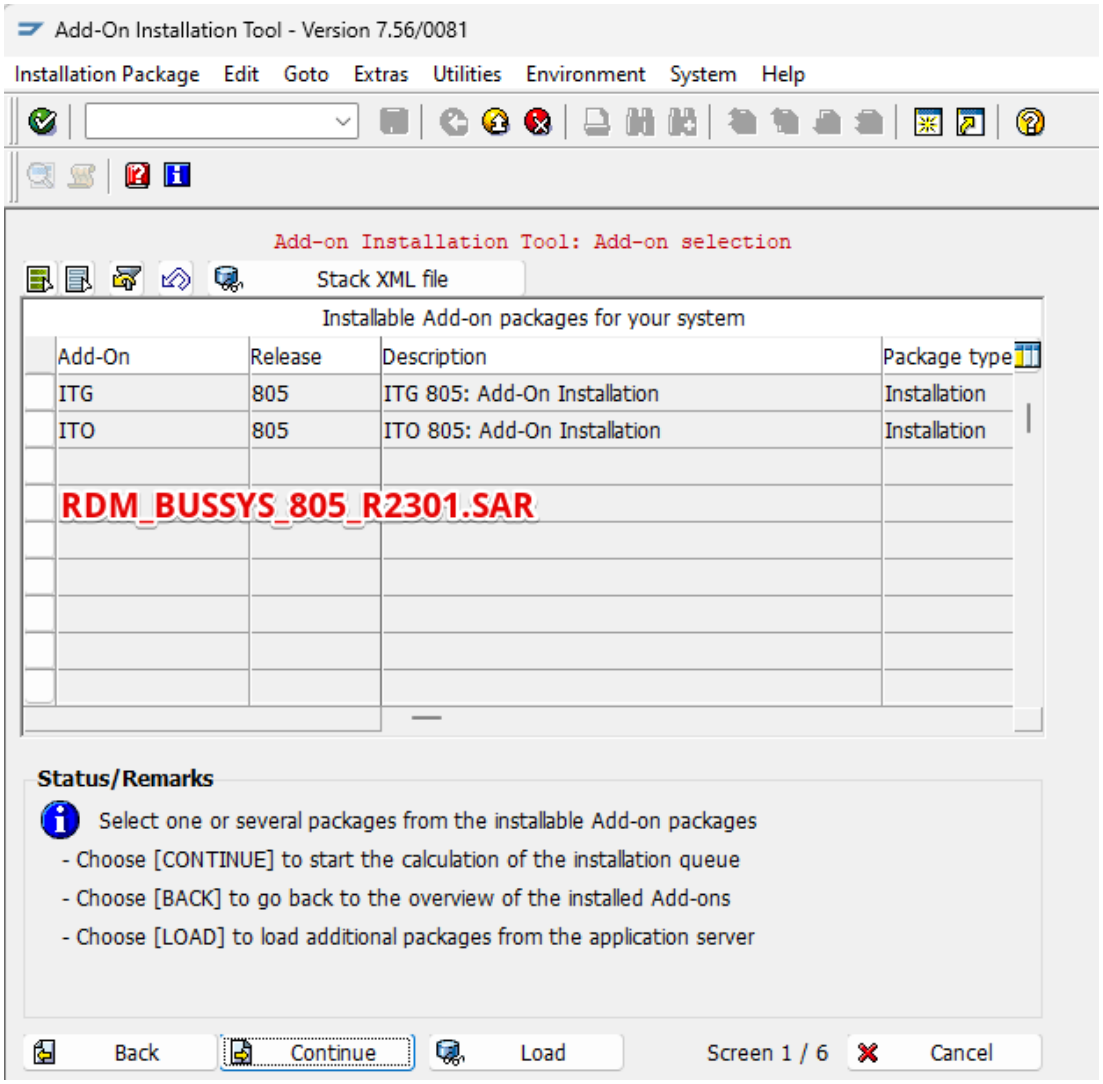
Installation on Receiver/Business System using SAR File RDM_BUSSYS_805_R2301.SAR

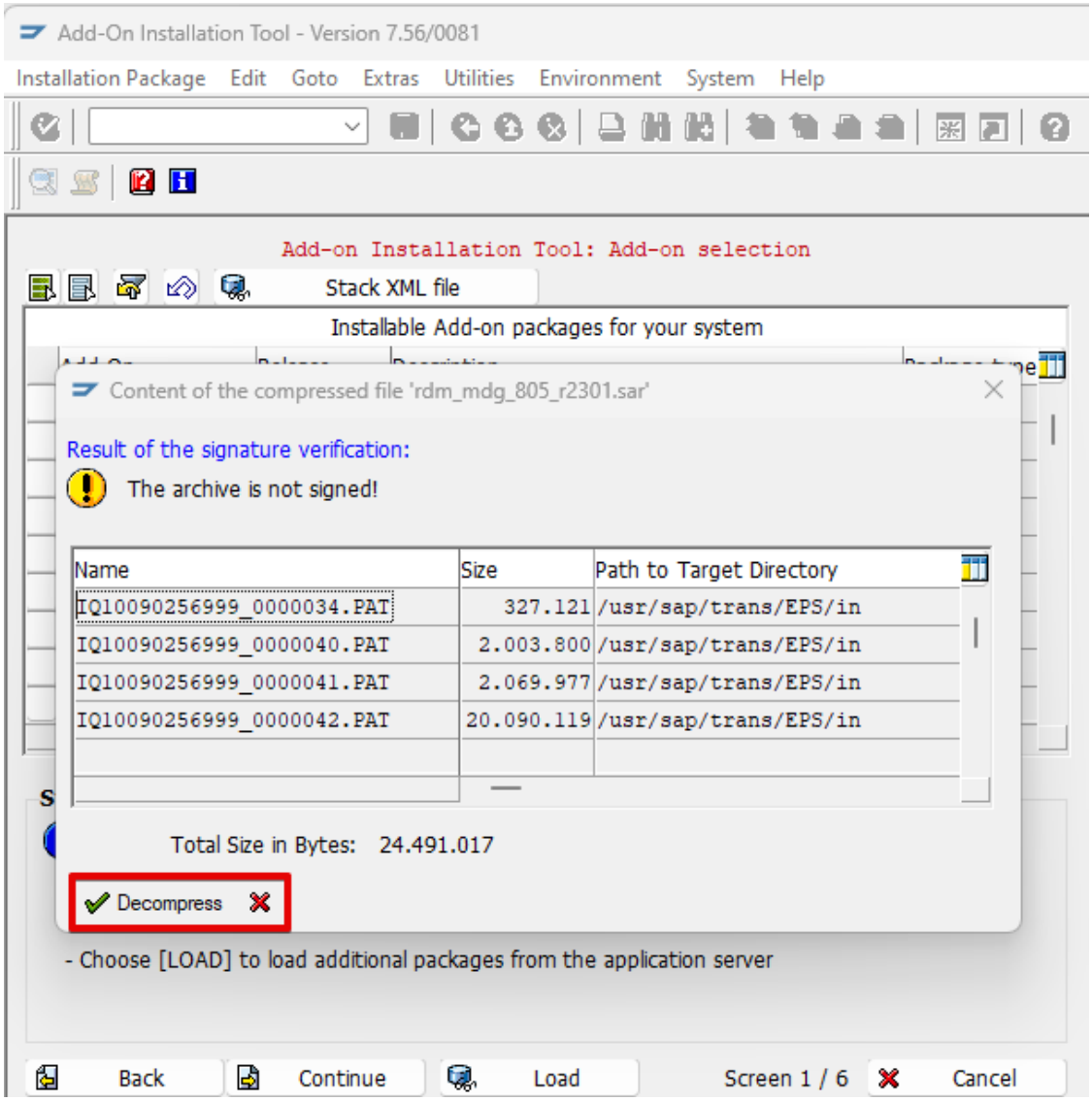
Note:
The shown PAT Files are just examples for this documentation – you will have PAT Files with other names.



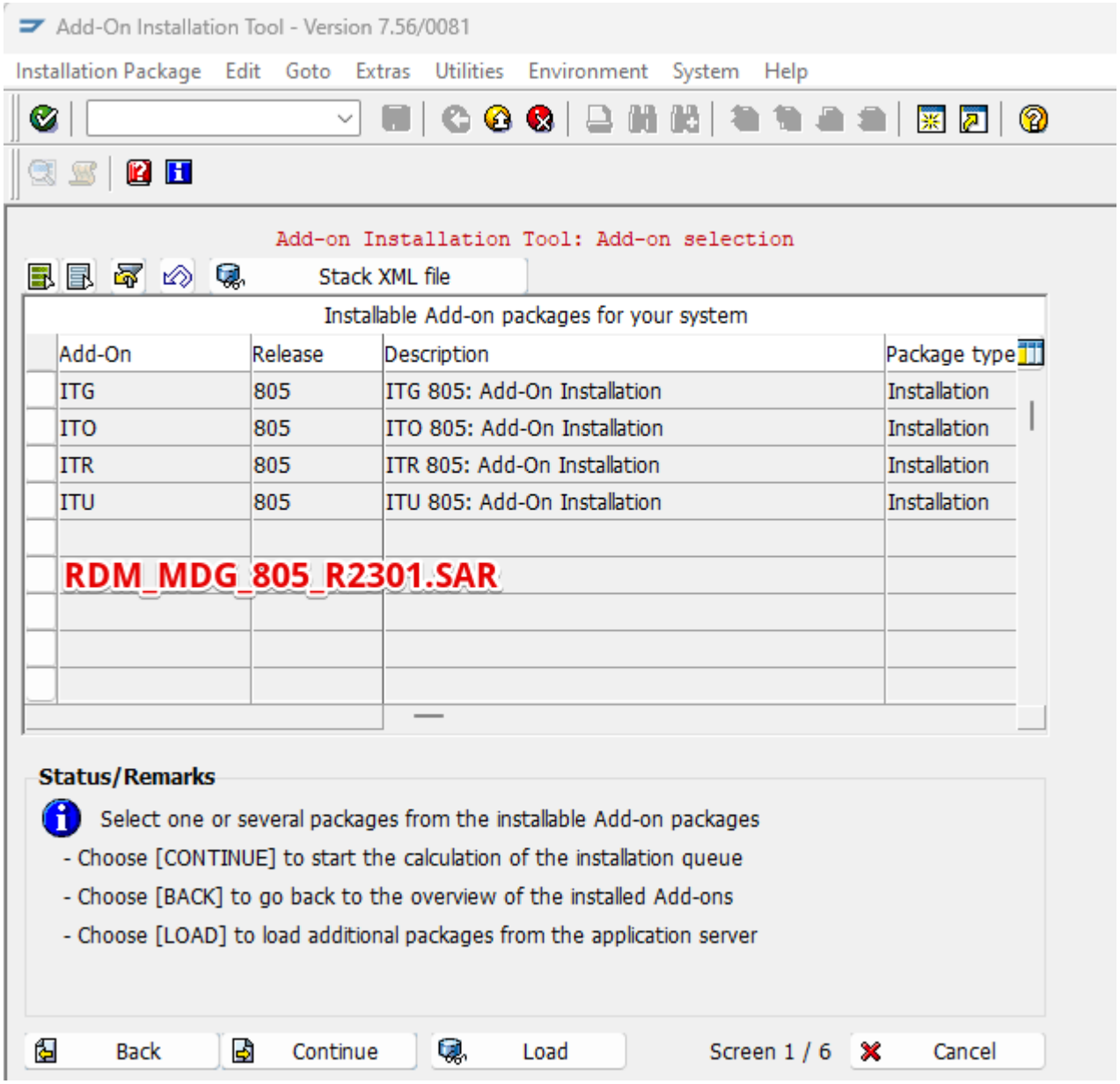
Decompress the PAT files and press the Start Button. After decompression the SAR files are deleted.

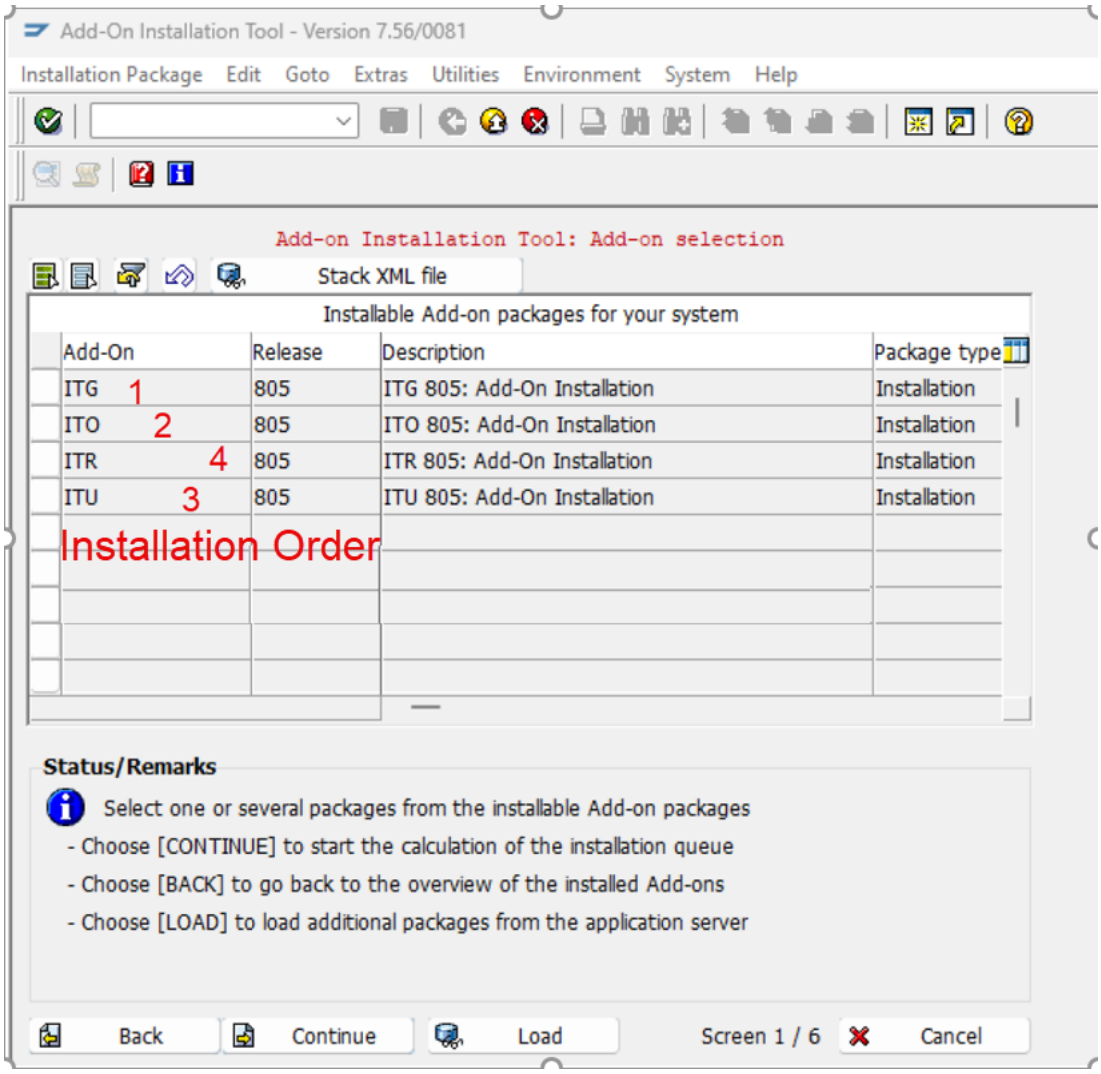
Select first software component (SWC) ITG and press button CONTINUE

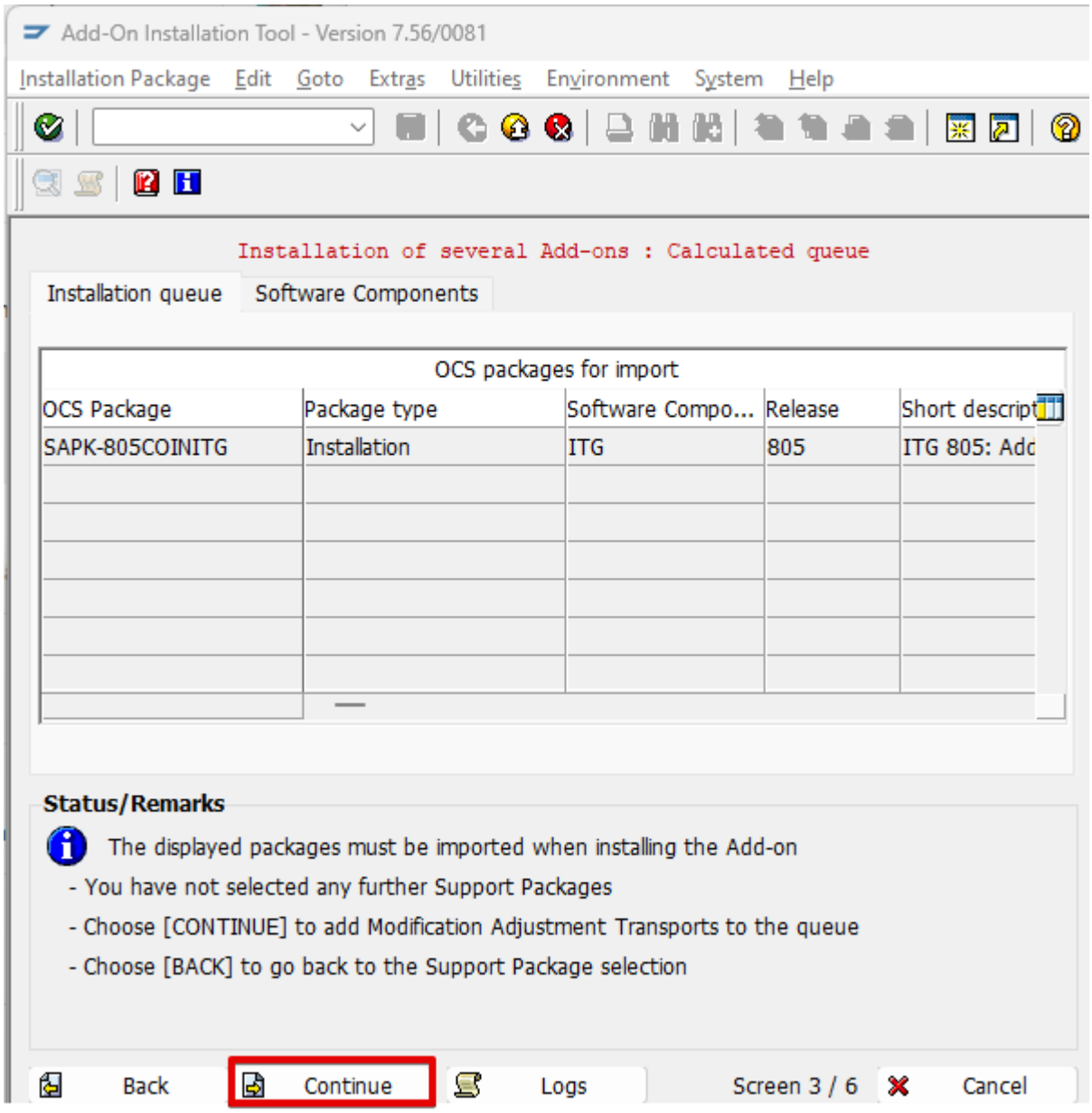



Add-On Installation Tool - Version 7.56/0081
Installation Package Edit Goto Extras Utilities Environment System Help
Add-on Installation Tool: Add-on selection
Stack XML file
Installable Add-on packages for your system
Content of the compressed file 'rdm_mdg_805_r2301.sar'
Result of the signature verification:
The archive is not signed!
Name Size Path to Target Directory
IQ10090256999_0000034.PAT 327.121 /usr/sap/trans/EPS/in
IQ10090256999_0000040.PAT 2.003.800 /usr/sap/trans/EPS/in
IQ10090256999_0000041.PAT 2.069.977 /usr/sap/trans/EPS/in
IQ10090256999_0000042.PAT 20.090.119 /usr/sap/trans/EPS/in
Total Size in Bytes: 24.491.017
Decompress
- Choose [LOAD] to load additional packages from the application server
Back
Continue
Load
Screen 1 / 6
Cancel

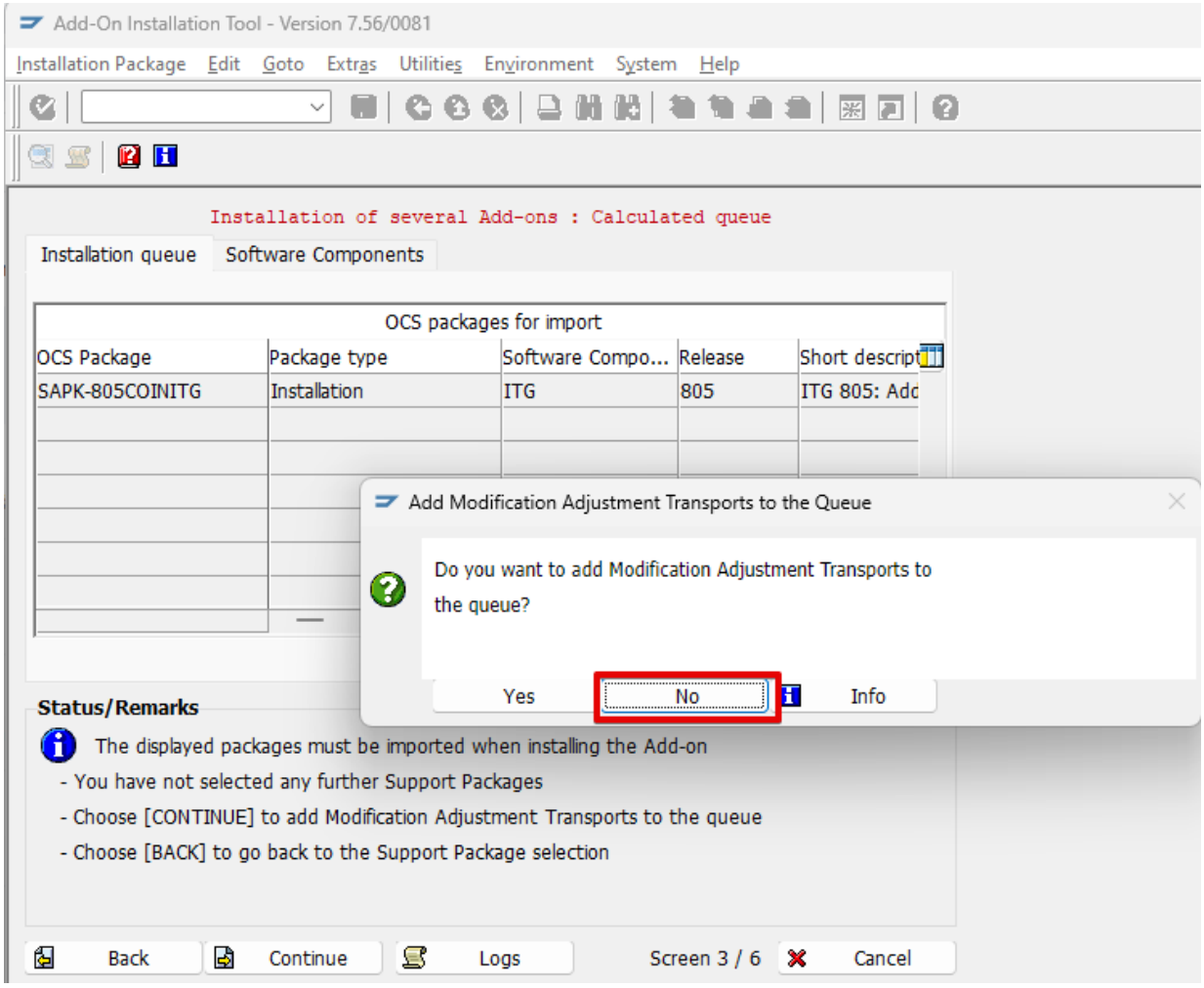
Installation on MDG system



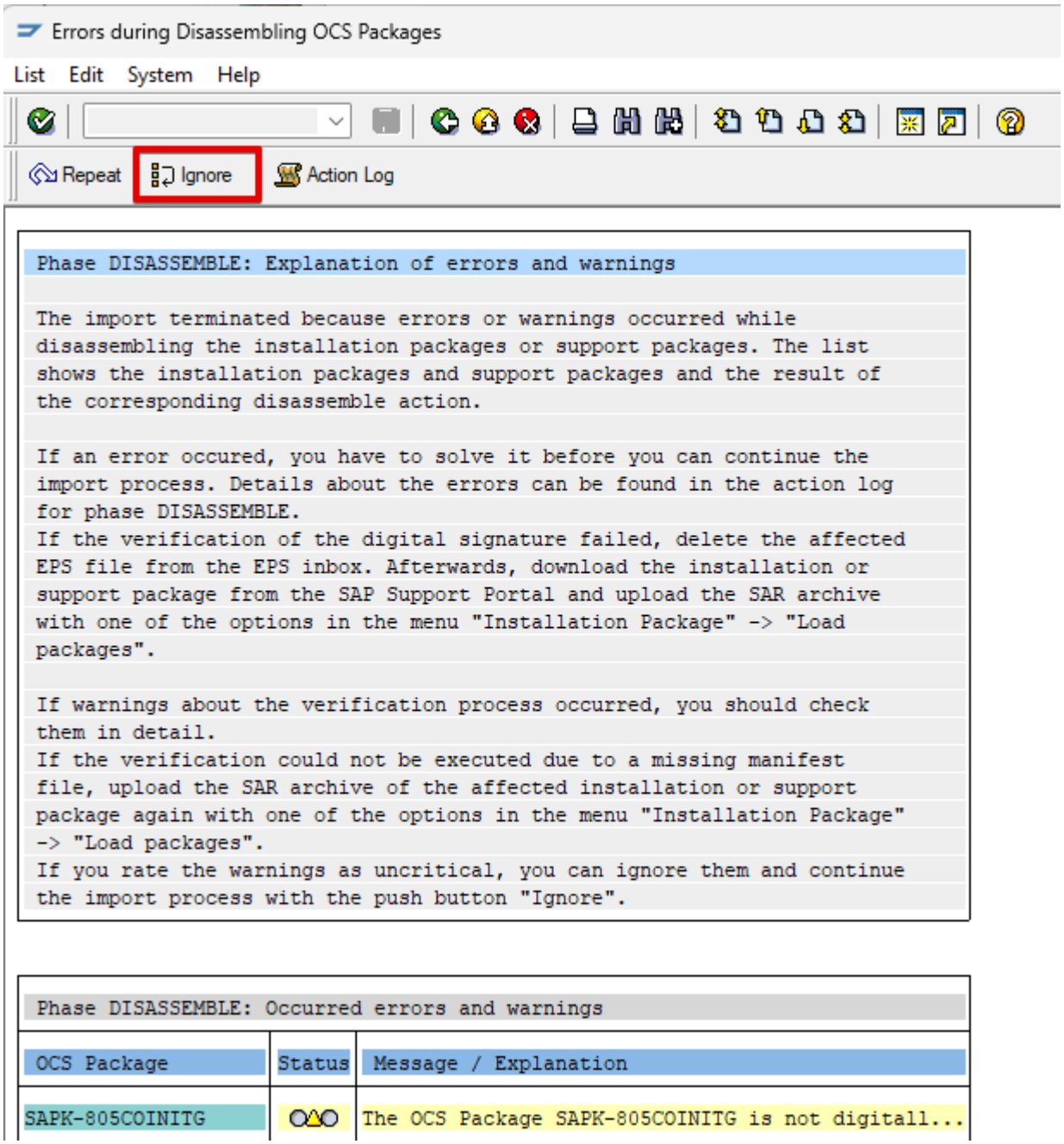

Add-On Installation Tool - Version 7.56/0081
Installation Package Edit Goto Extras Utilities Environment System Help
Add-on Installation Tool: Add-on selection
Stack XML file
Installable Add-on packages for your system
Add-On Release Description Package type
ITG 1 805 ITG 805: Add-On Installation Installation
ITO 2 805 ITO 805: Add-On Installation Installation
ITR 4 805 ITR 805: Add-On Installation Installation
ITU 3 805 ITU 805: Add-On Installation Installation
Installation Order
Status/Remarks
Select one or several packages from the installable Add-on packages
- Choose [CONTINUE] to start the calculation of the installation queue
- Choose [BACK] to go back to the overview of the installed Add-ons
- Choose [LOAD] to load additional packages from the application server
Back
Continue
Load
Screen 1 / 6
Cancel


Add-On Installation Tool - Version 7.56/0081
Installation Package Edit Goto Extras Utilities Environment System Help
Installation of several Add-ons : Calculated queue
Installation queue
Software Components
OCS packages for import
OCS Package
Package type
Software Compo...
Release
Short descript
SAPK-805COINITG
Installation
ITG
805
ITG 805: Adc
Status/Remarks
The displayed packages must be imported when installing the Add-on
- You have not selected any further Support Packages
- Choose [CONTINUE] to add Modification Adjustment Transports to the queue
- Choose [BACK] to go back to the Support Package selection
Back
Continue
Logs
Screen 3 / 6
Cancel

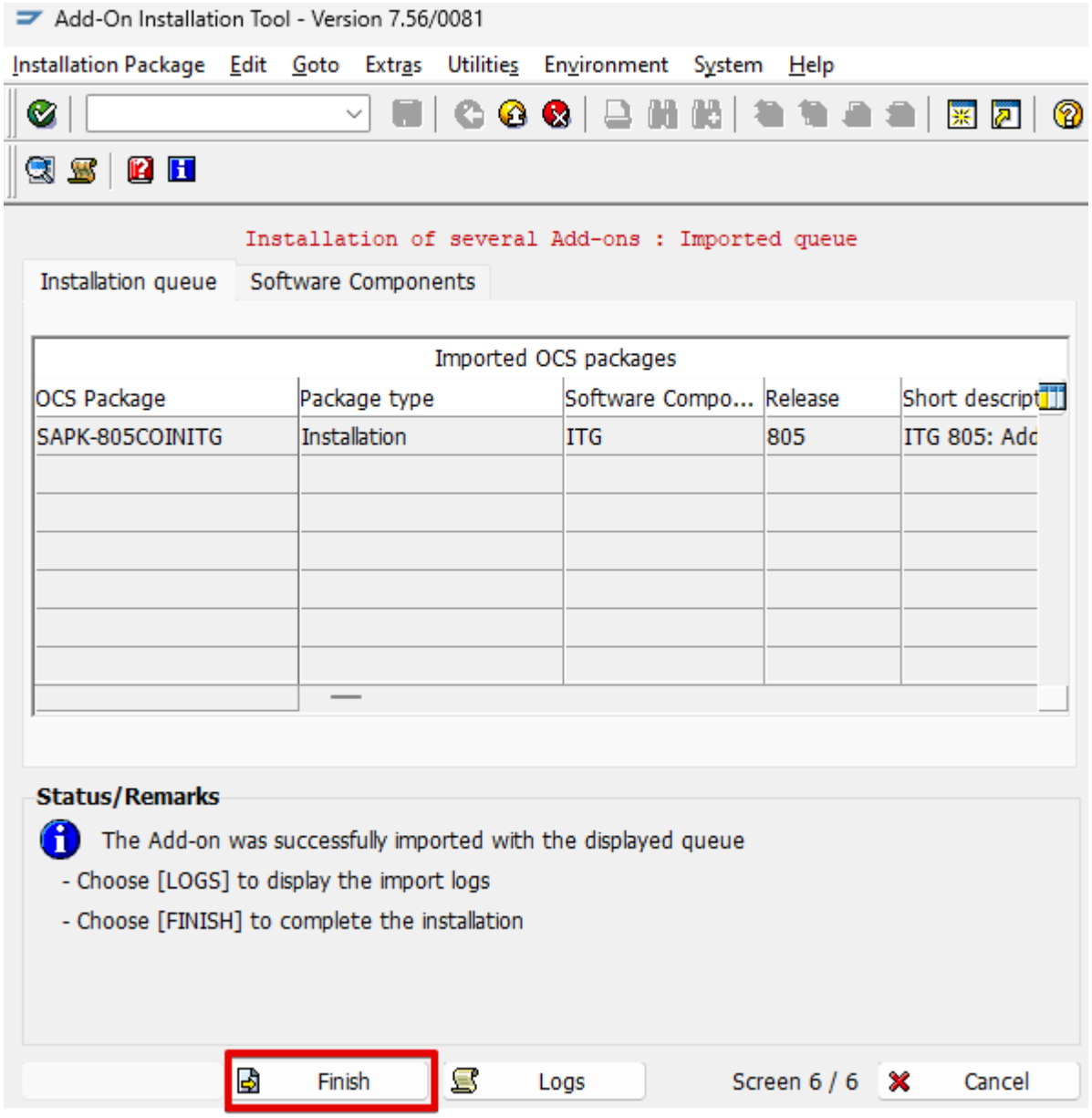
Select “No” for Modification Adjustments



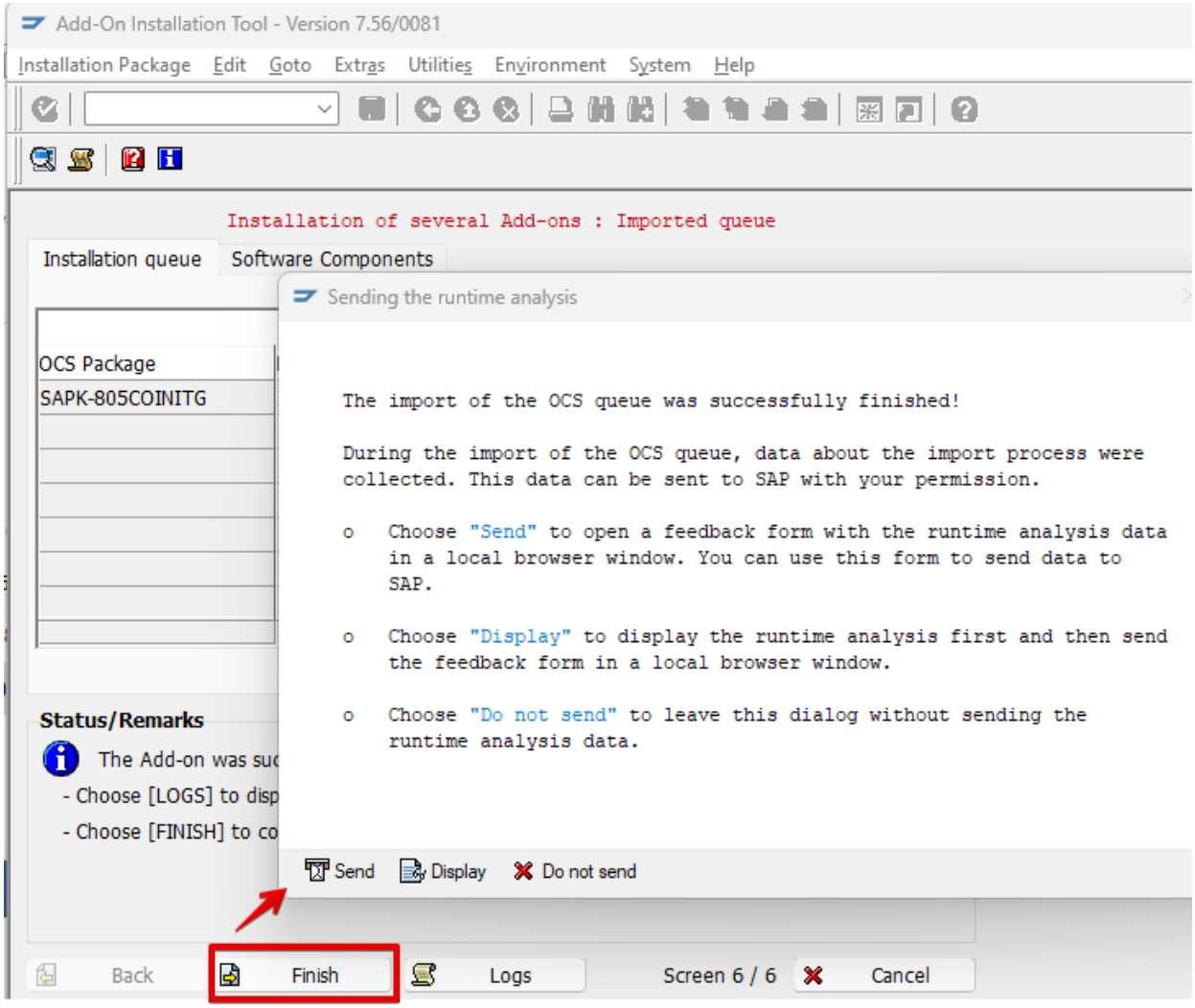
Please **ignore** this warning

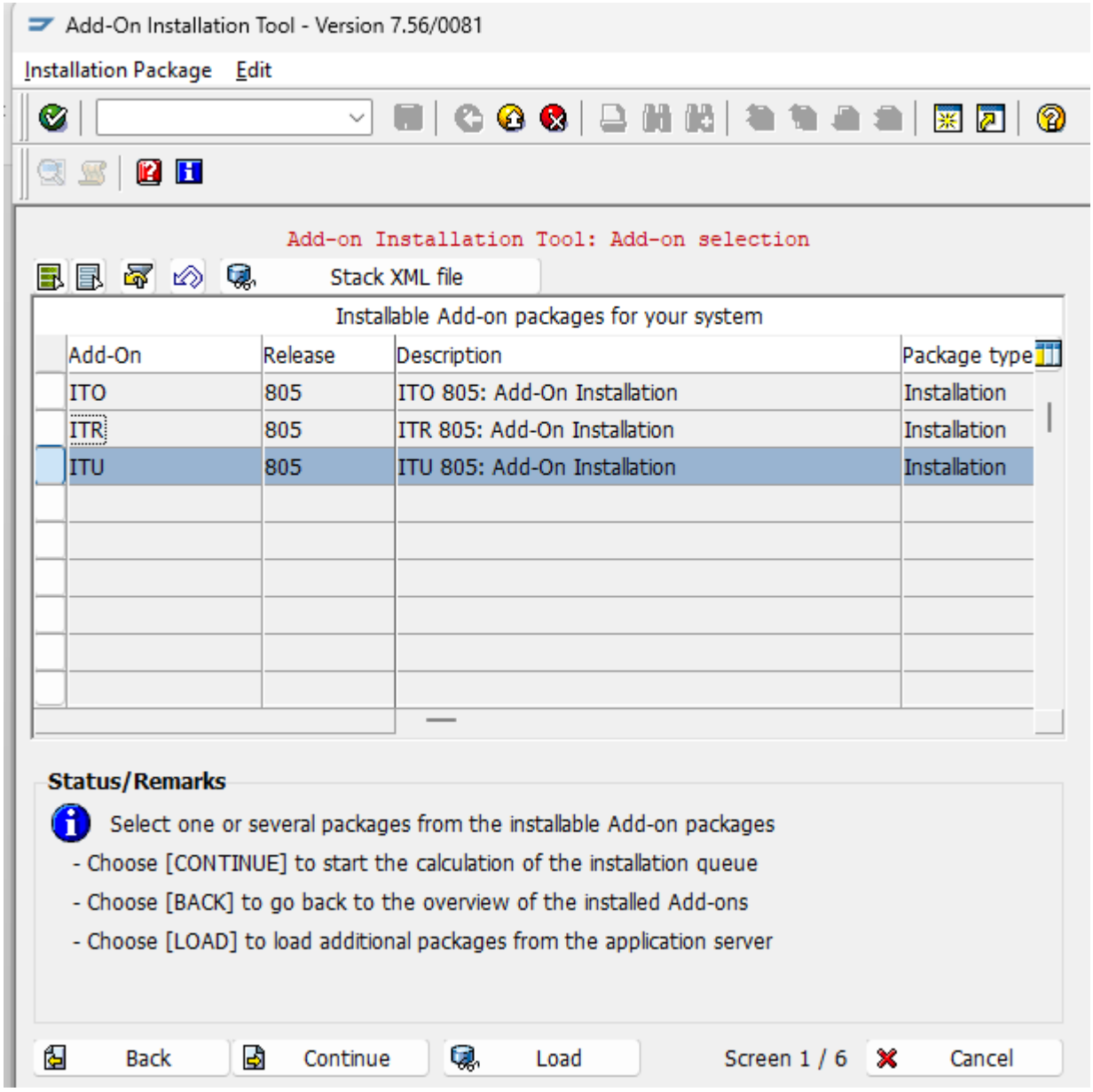


Once the installation is done, you have to confirm the installation of SWC with **"FINISH"**



Finishing the installation the system will provide you the following options:




Add-On Installation Tool - Version 7.56/0081
Installation Package
Edit
Add-on Installation Tool: Add-on selection
Stack XML file
Installable Add-on packages for your system
Add-On
Release
Description
Package type
ITO
805
ITO 805: Add-On Installation
Installation
ITR
805
ITR 805: Add-On Installation
Installation
ITU
805
ITU 805: Add-On Installation
Installation
Status/Remarks
Select one or several packages from the installable Add-on packages
- Choose [CONTINUE] to start the calculation of the installation queue
- Choose [BACK] to go back to the overview of the installed Add-ons
- Choose [LOAD] to load additional packages from the application server
Back
Continue
Load
Screen 1 / 6
Cancel

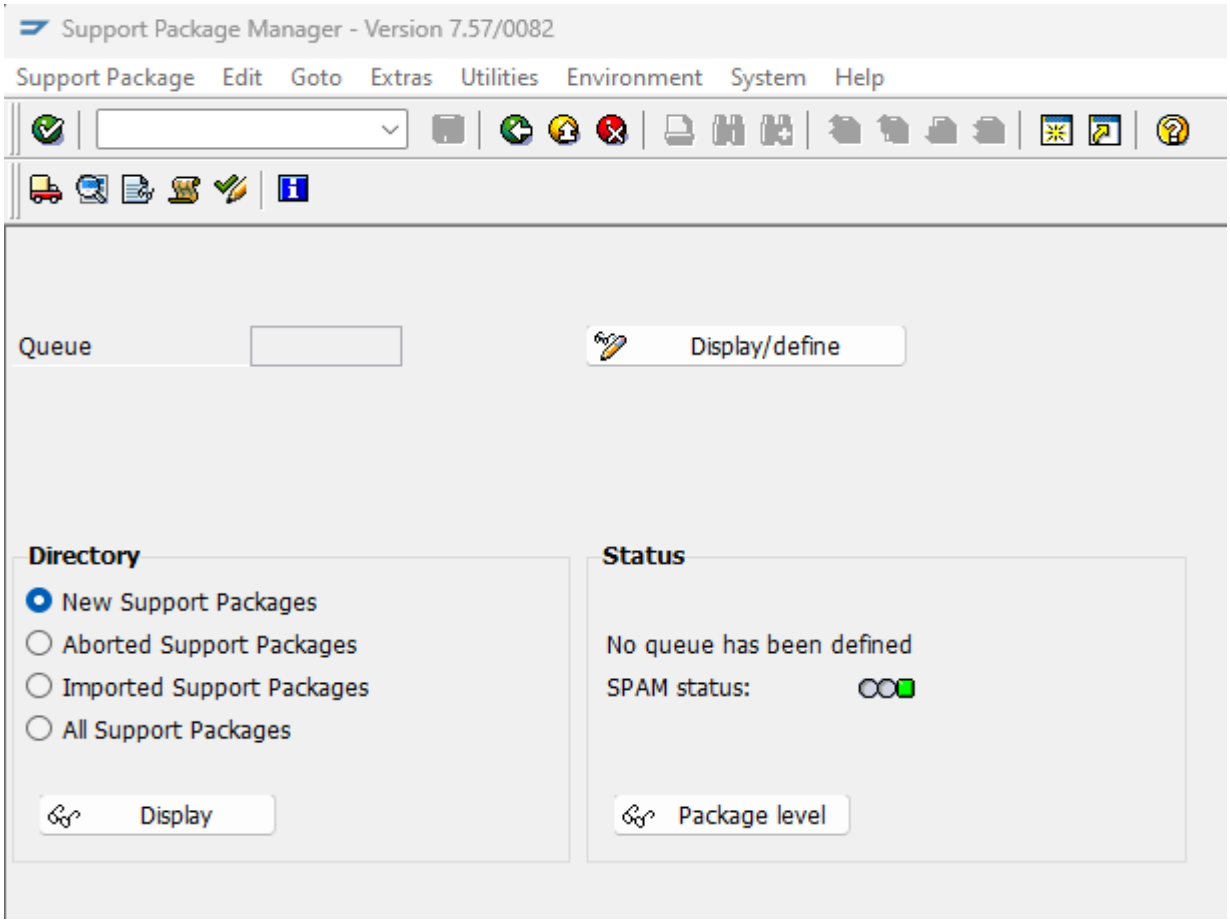
During the RDM installation you might face the following situation shown in the screenshot below. If there are existing non released transport requests containing objects of the RDM software component that you just want to install you will have a deadlock situation and user interaction is needed.

```
Phase OBJECTS_LOCKED_?: Explanation of Errors

The following objects are currently locked in requests. You can only
import the queue when the objects are no longer locked.

Proceed as follows:

- Choose one of the displayed requests to go to the maintenance screen
  of this request.
- Release the request and the corresponding tasks or ask the request
  owner to do so. It's also possible to use the workbench organizer
  (transaction SE01 / SE09) to release the requests.
- Repeat the import phase when all the requests are released. When no
  more locked objects are found, the import is continued.
```

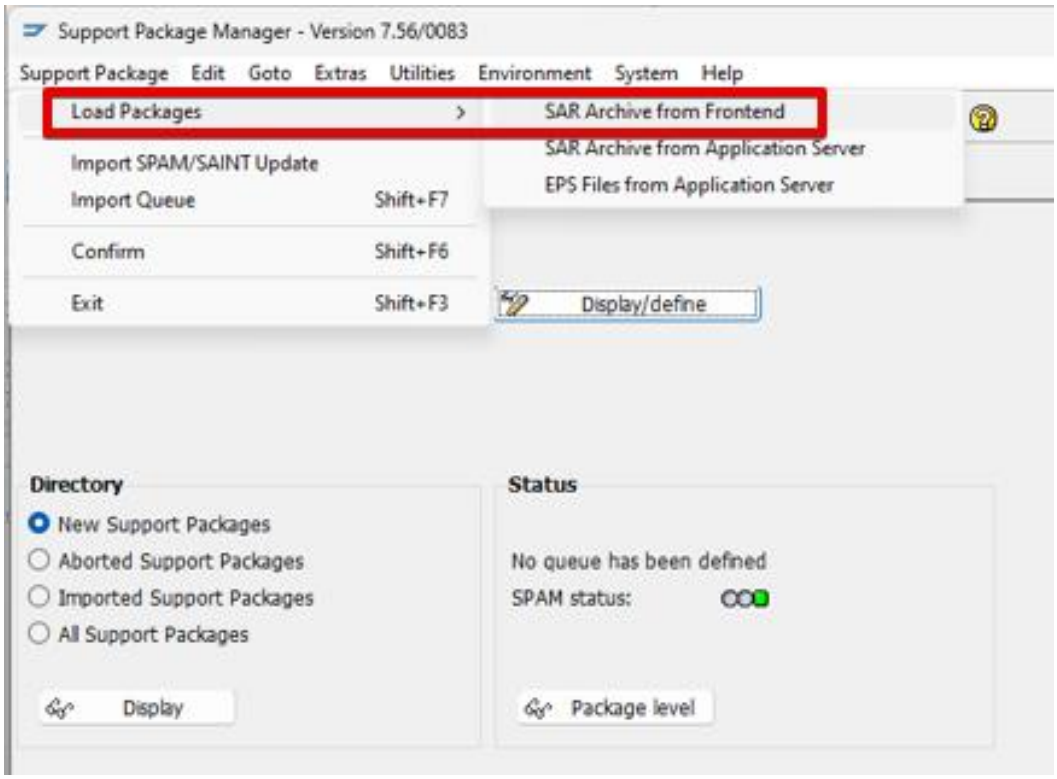
Phase OBJECTS_LOCKED_?: Objects Locked in Requests

Request	Names of Locked Transport Objects
S02K900074	R3TR WDCC /ITR/I1_LGORT_SEARCH_DQUERY 00

Transaction SPAM

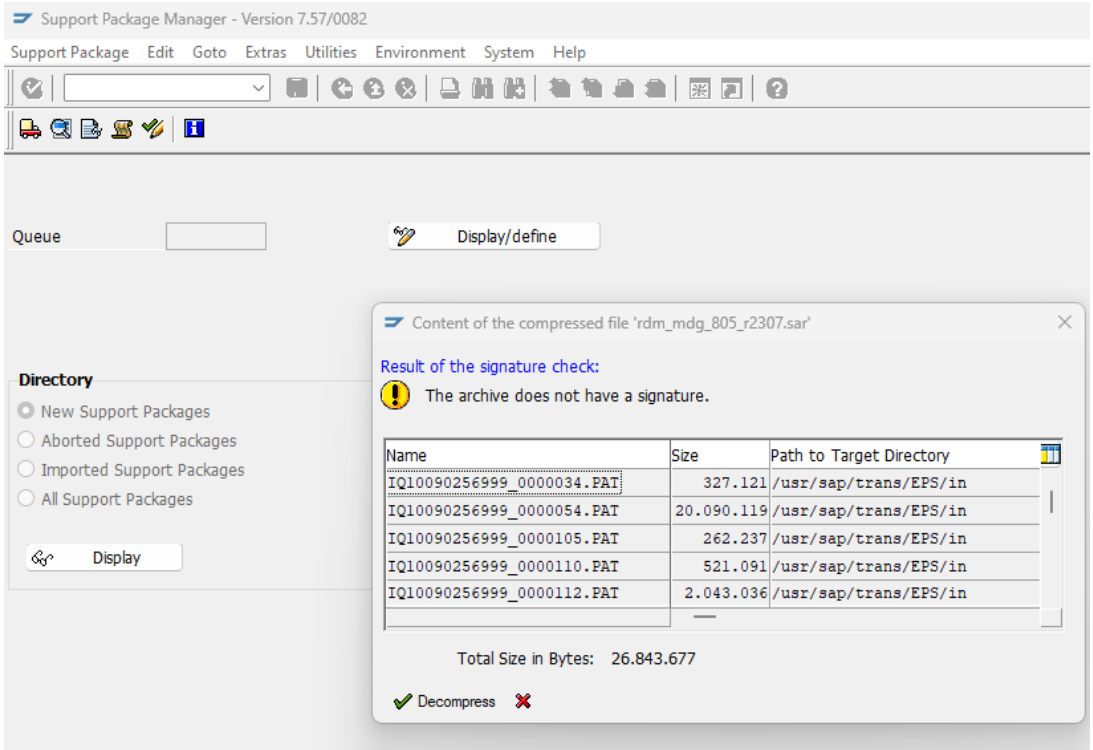


Here you have also the option of loading SAR files in order to install support packages

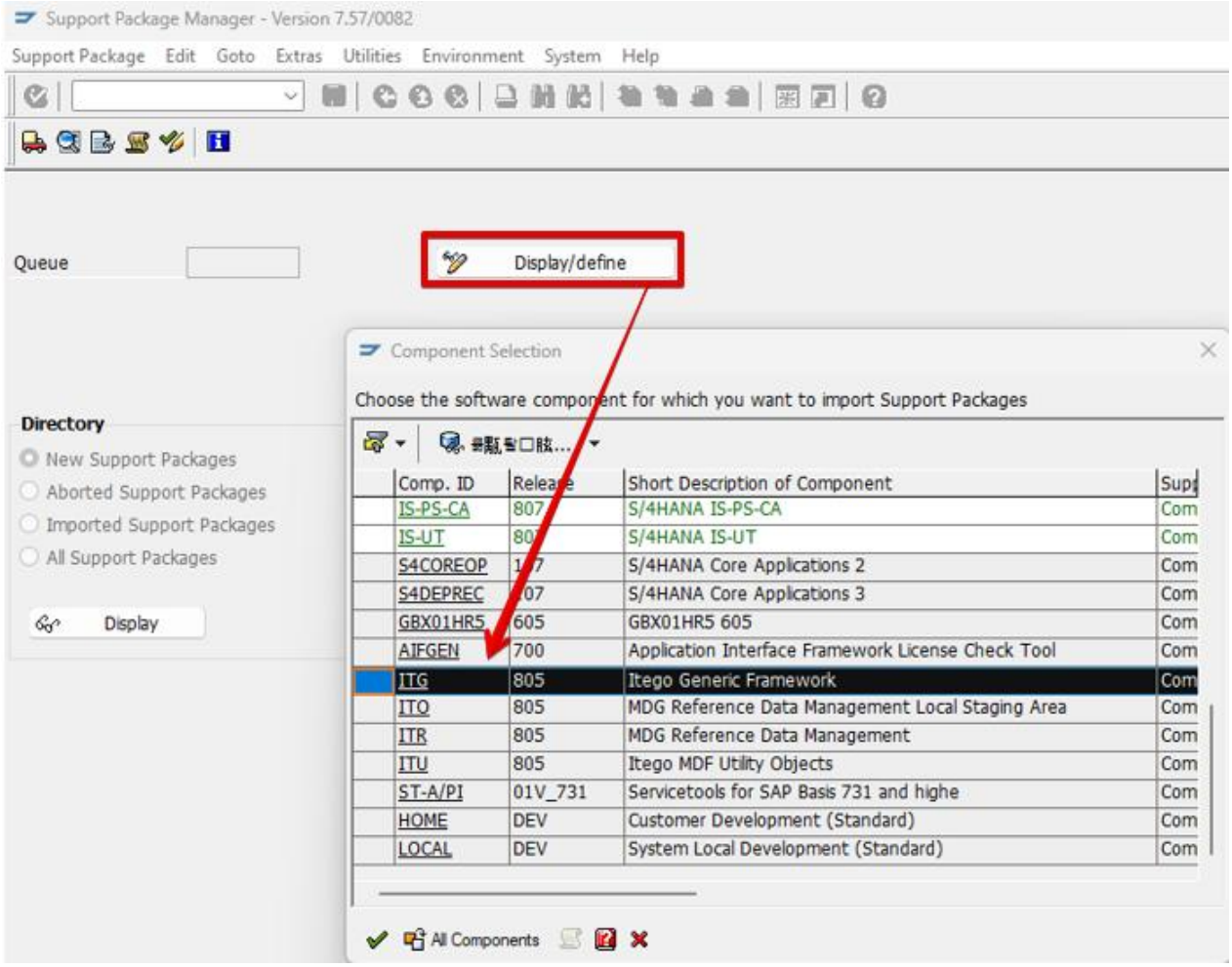


If the selected SAR file has not yet been loaded via SAINT, the assigned PAT files will be unpacked from the selected SAR file and the SAR file itself will be deleted.

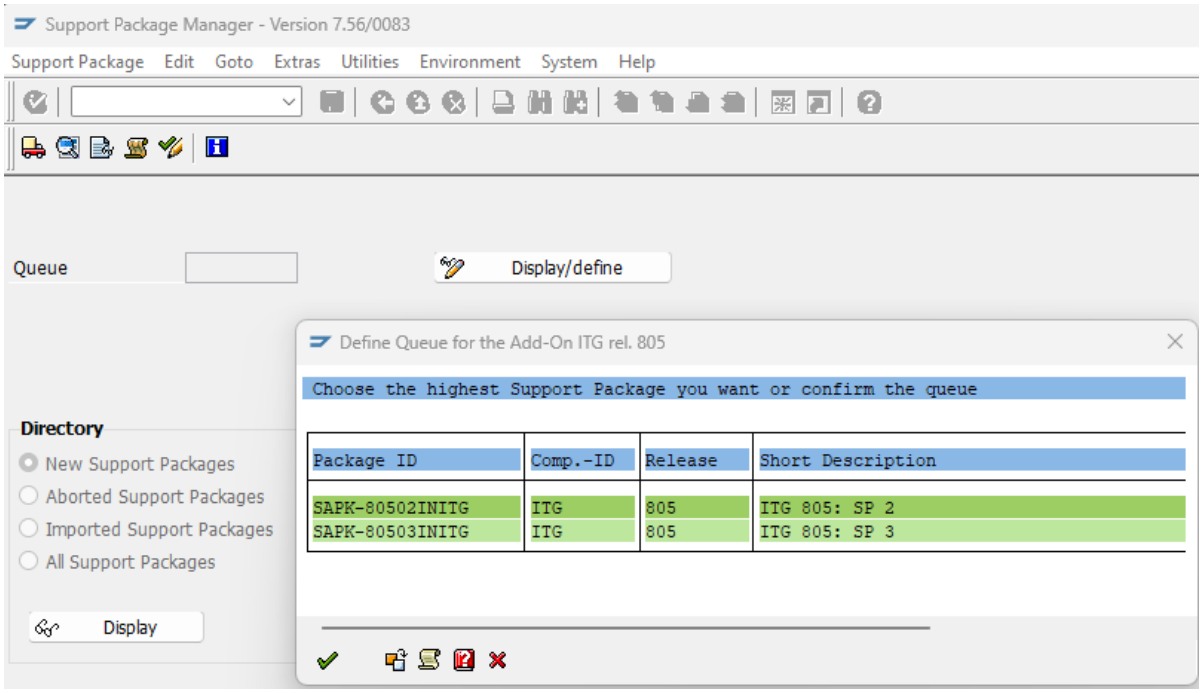
Note:
The shown PAT Files are just examples for this documentation – you will have PAT Files with other names.



Hit button “Display/define” to select the software component for which you want to install the support packages



The system automatically selects all support packages for the selected software component. You can leave it like that or select individual support packages, taking the order into account.



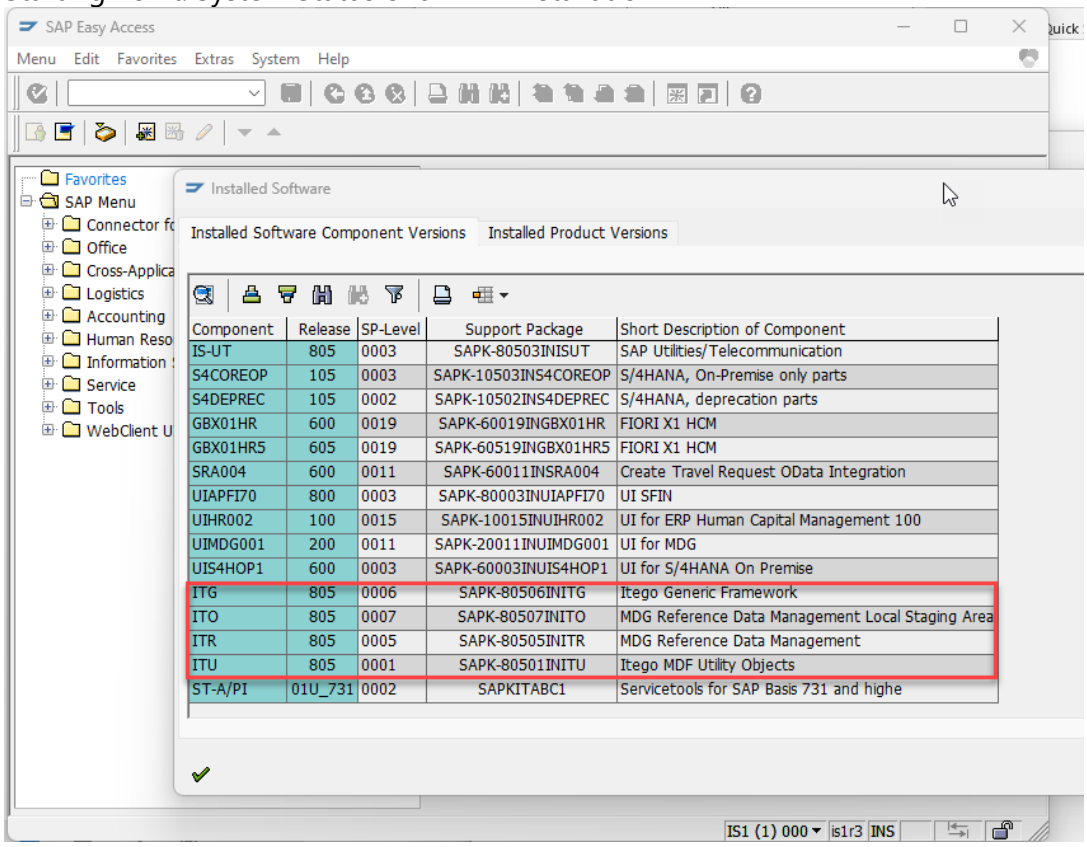
6 Uninstallation Example

This chapter shows how RDM can be uninstalled from the SAP MDG system. Please take the notes from chapter 4.1 into consideration.

Start uninstalling the software components of RDM in the reverse order in which you installed them. This means:

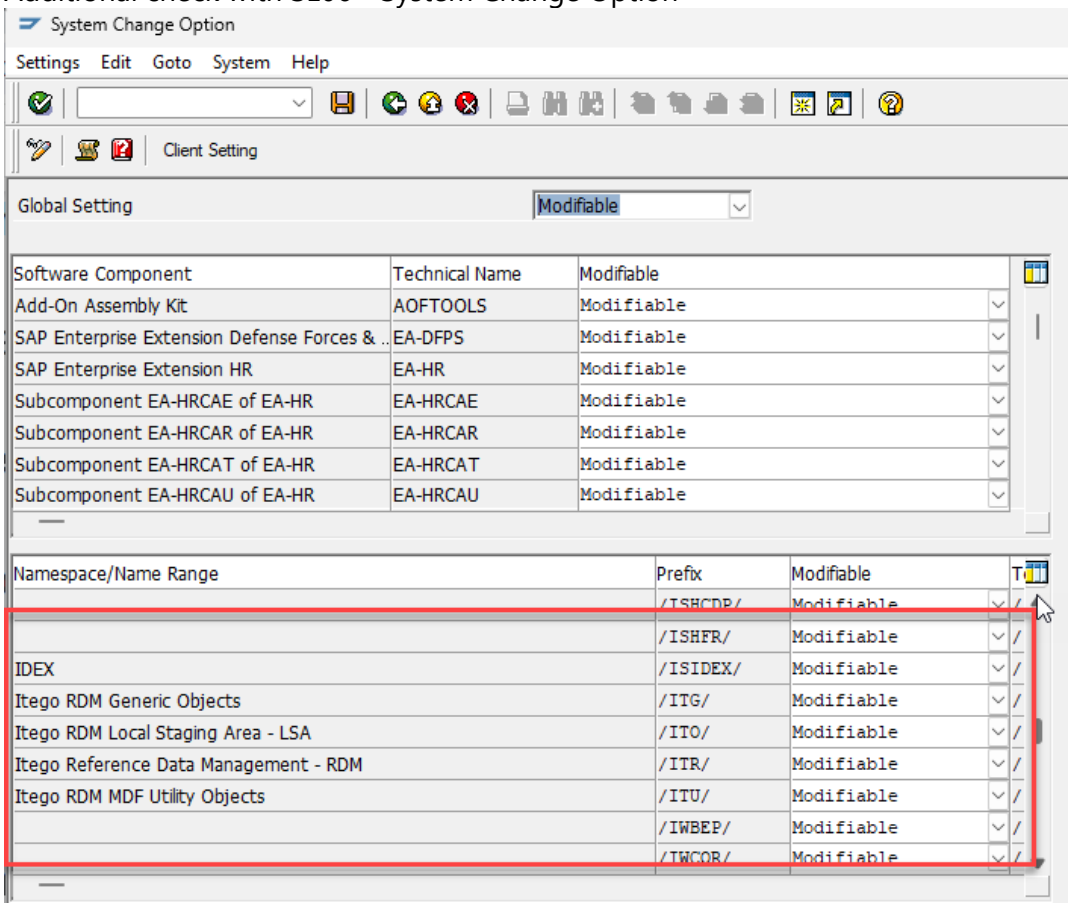
- ITR, “Reference Data Management”,
- ITO, “Reference Data Management Local Staging”
- ITU, “MDF Utility Objects”
- ITG, “Generic Framework”

Starting Point: System Status of a RDM installation

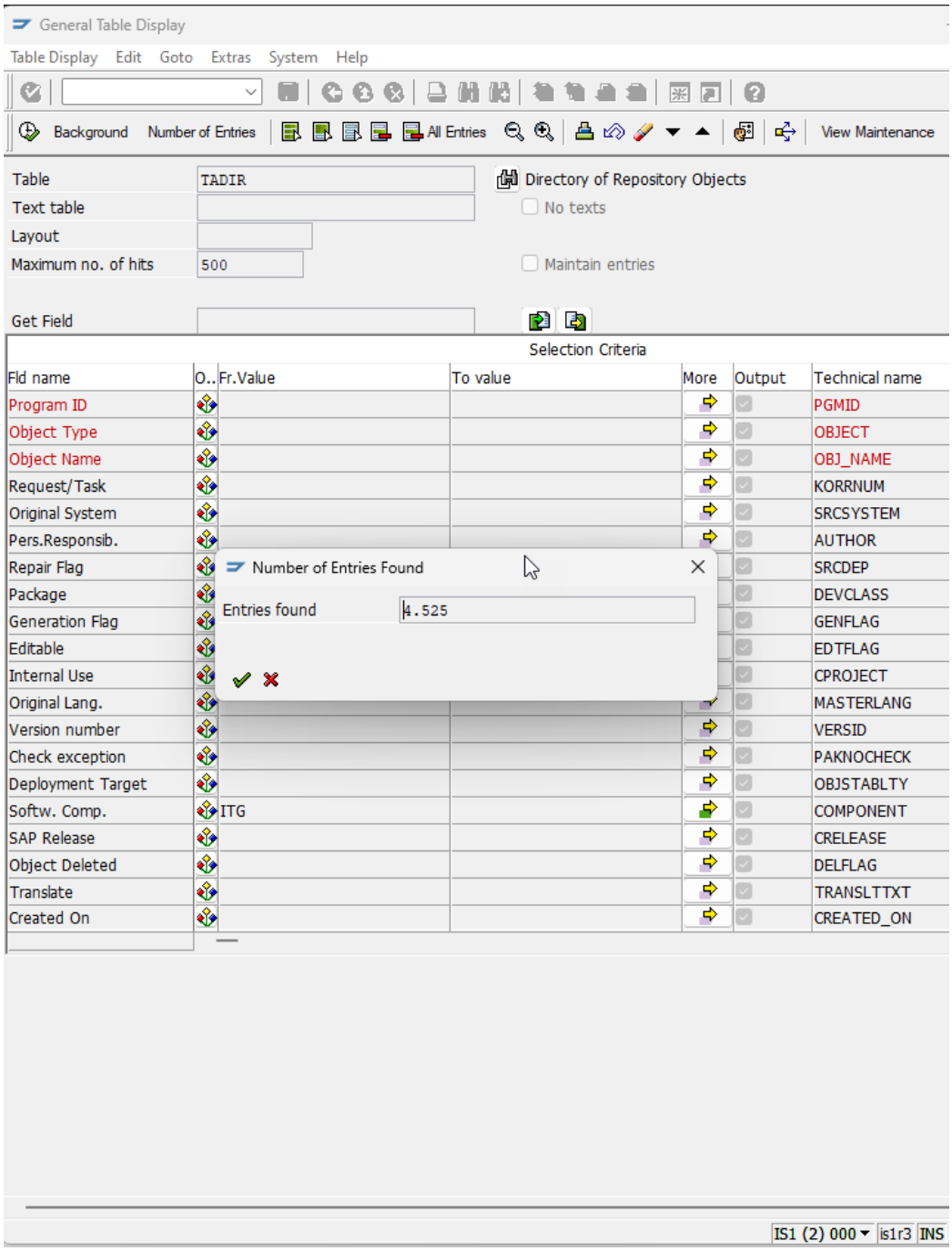


Component	Release	SP-Level	Support Package	Short Description of Component
IS-UT	805	0003	SAPK-80503INISUT	SAP Utilities/Telecommunication
S4COREOP	105	0003	SAPK-10503INS4COREOP	S/4HANA, On-Premise only parts
S4DEPREC	105	0002	SAPK-10502INS4DEPREC	S/4HANA, deprecation parts
GBX01HR	600	0019	SAPK-60019INGBX01HR	FIORI X1 HCM
GBX01HR5	605	0019	SAPK-60519INGBX01HR5	FIORI X1 HCM
SRA004	600	0011	SAPK-60011INSRA004	Create Travel Request OData Integration
UIAPFI70	800	0003	SAPK-80003INUIAPFI70	UI SFIN
UIHR002	100	0015	SAPK-10015INUIHR002	UI for ERP Human Capital Management 100
UIMDG001	200	0011	SAPK-20011INUIMDG001	UI for MDG
UIS4HOP1	600	0003	SAPK-60003INUIS4HOP1	UI for S/4HANA On Premise
ITG	805	0006	SAPK-80506INITG	Itego Generic Framework
ITO	805	0007	SAPK-80507INITO	MDG Reference Data Management Local Staging Area
ITR	805	0005	SAPK-80505INITR	MDG Reference Data Management
ITU	805	0001	SAPK-80501INITU	Itego MDF Utility Objects
ST-A/PI	01U_731	0002	SAPKITABC1	Servicetools for SAP Basis 731 and highe

Additional check with SE06 - System Change Option



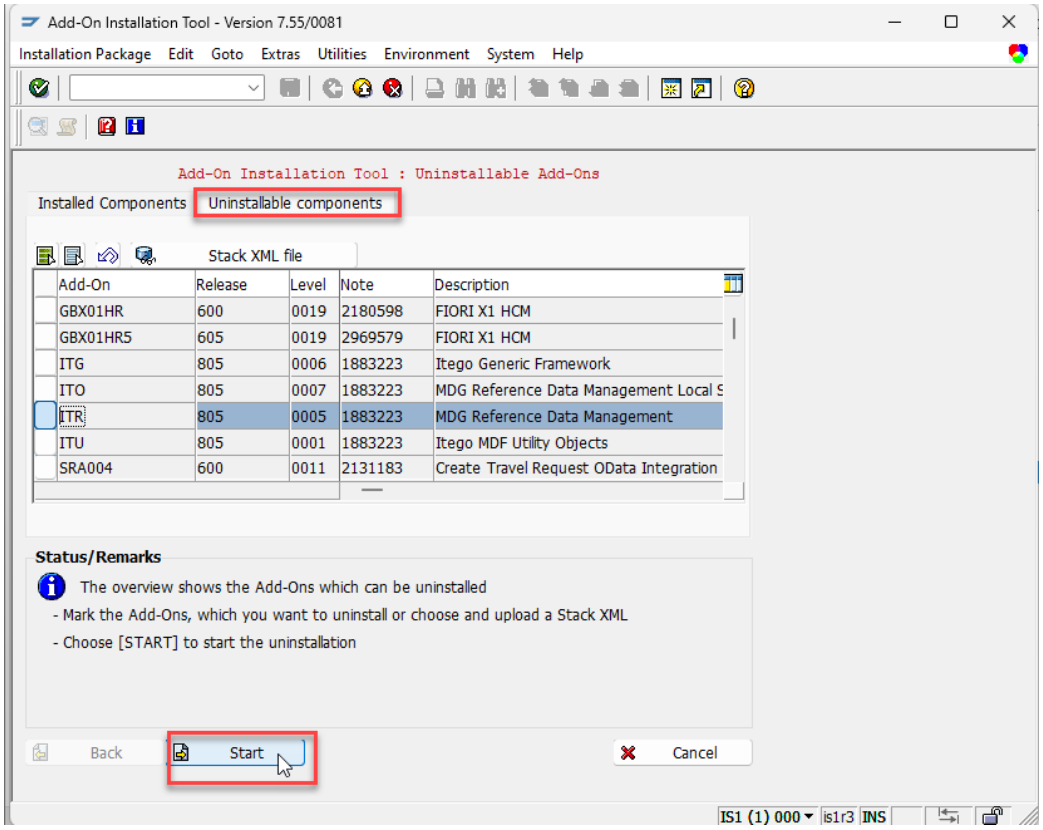
TADIR selection with Software Components ITG, ITU, ITO and ITR

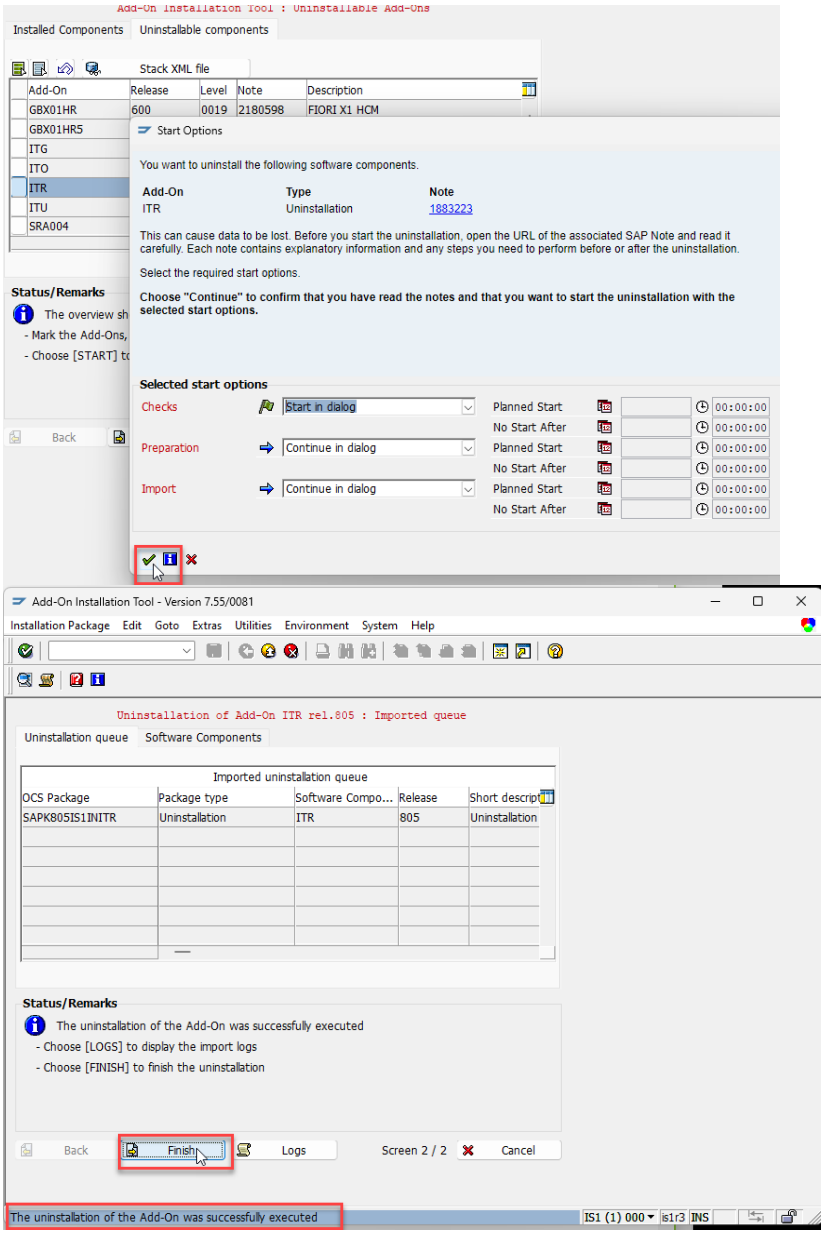


Uninstall ITR

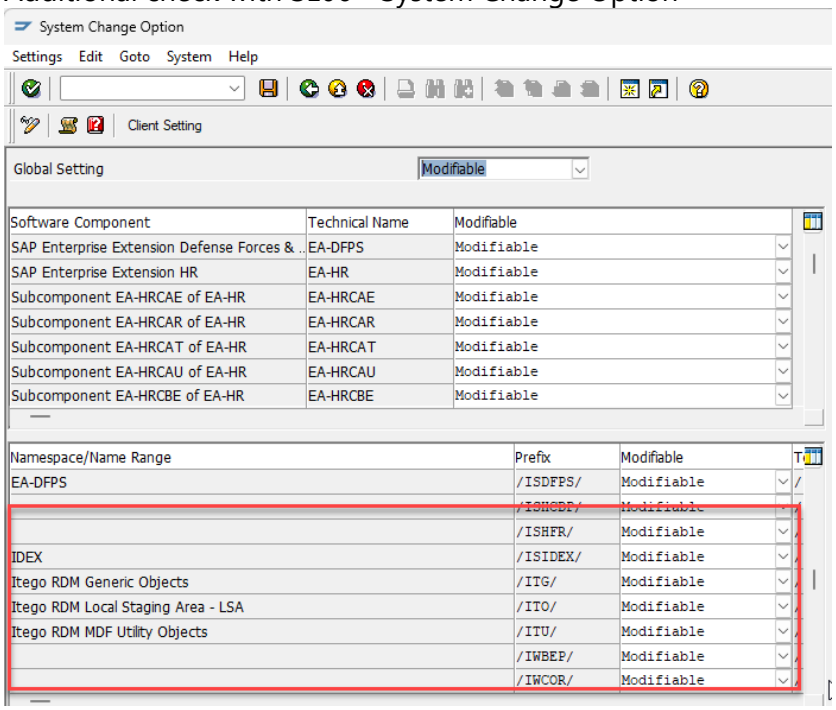
Please ensure, that data model I1 has an activated status. This is the precondition that all data model related DDIC objects can be determined.

Start SAINT to uninstall ITR – start and confirm

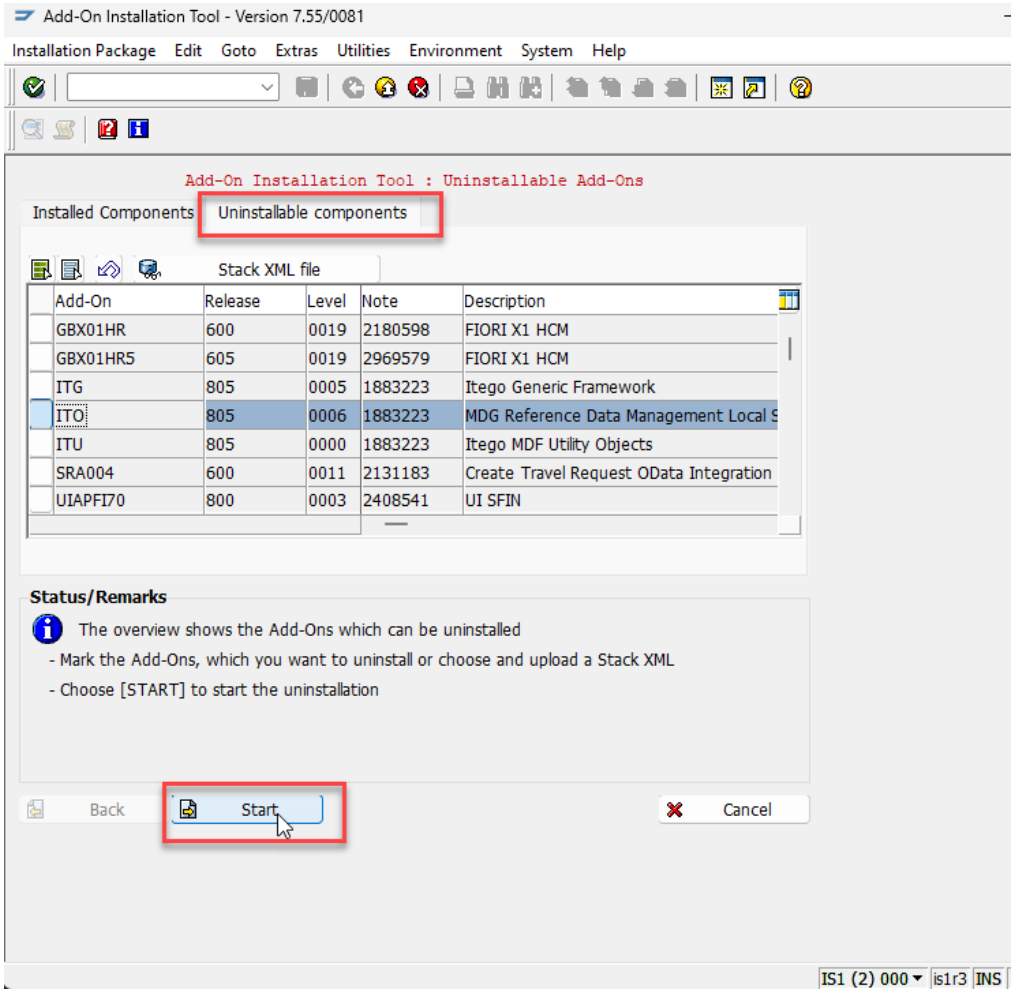


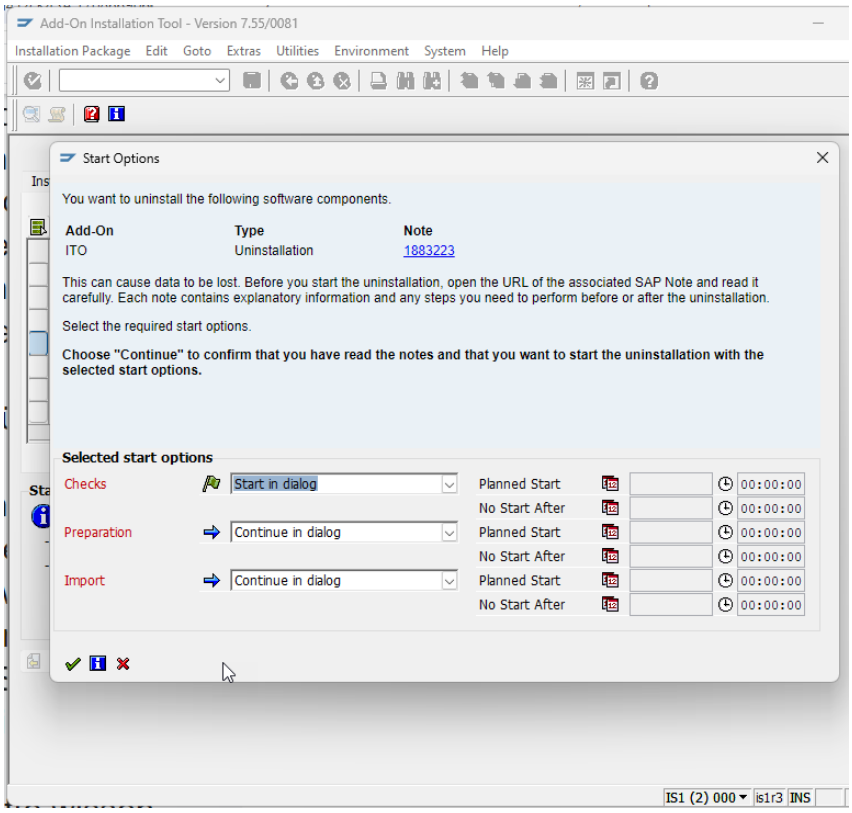

Add-On Installation Tool : Uninstallable Add-Ons
Installed Components
Uninstallable components
Stack XML file
Add-On
Release
Level
Note
Description
GBX01HR
600
0019
2180598
FIORI X1 HCM
GBX01HR5
ITG
ITO
ITR
ITU
SRA004
Status/Remarks
The overview sh
- Mark the Add-Ons,
- Choose [START] to
Back
Start Options
You want to uninstall the following software components.
Add-On
Type
Note
ITR
Uninstallation
1883223
This can cause data to be lost. Before you start the uninstallation, open the URL of the associated SAP Note and read it carefully. Each note contains explanatory information and any steps you need to perform before or after the uninstallation.
Select the required start options.
Choose "Continue" to confirm that you have read the notes and that you want to start the uninstallation with the selected start options.
Selected start options
Checks
Start in dialog
Preparation
Continue in dialog
Import
Continue in dialog
Planned Start
No Start After
00:00:00
Add-On Installation Tool - Version 7.55/0081
Installation Package
Edit
Goto
Extras
Utilities
Environment
System
Help
Uninstallation of Add-On ITR rel.805 : Imported queue
Uninstallation queue
Software Components
Imported uninstallation queue
OCS Package
Package type
Software Compo...
Release
Short descript
SAPK805IS1INITR
Uninstallation
ITR
805
Uninstallation
Status/Remarks
The uninstallation of the Add-On was successfully executed
- Choose [LOGS] to display the import logs
- Choose [FINISH] to finish the uninstallation
Back
Finish
Logs
Screen 2 / 2
Cancel
The uninstallation of the Add-On was successfully executed
IS1 (1) 000
is1r3
INS

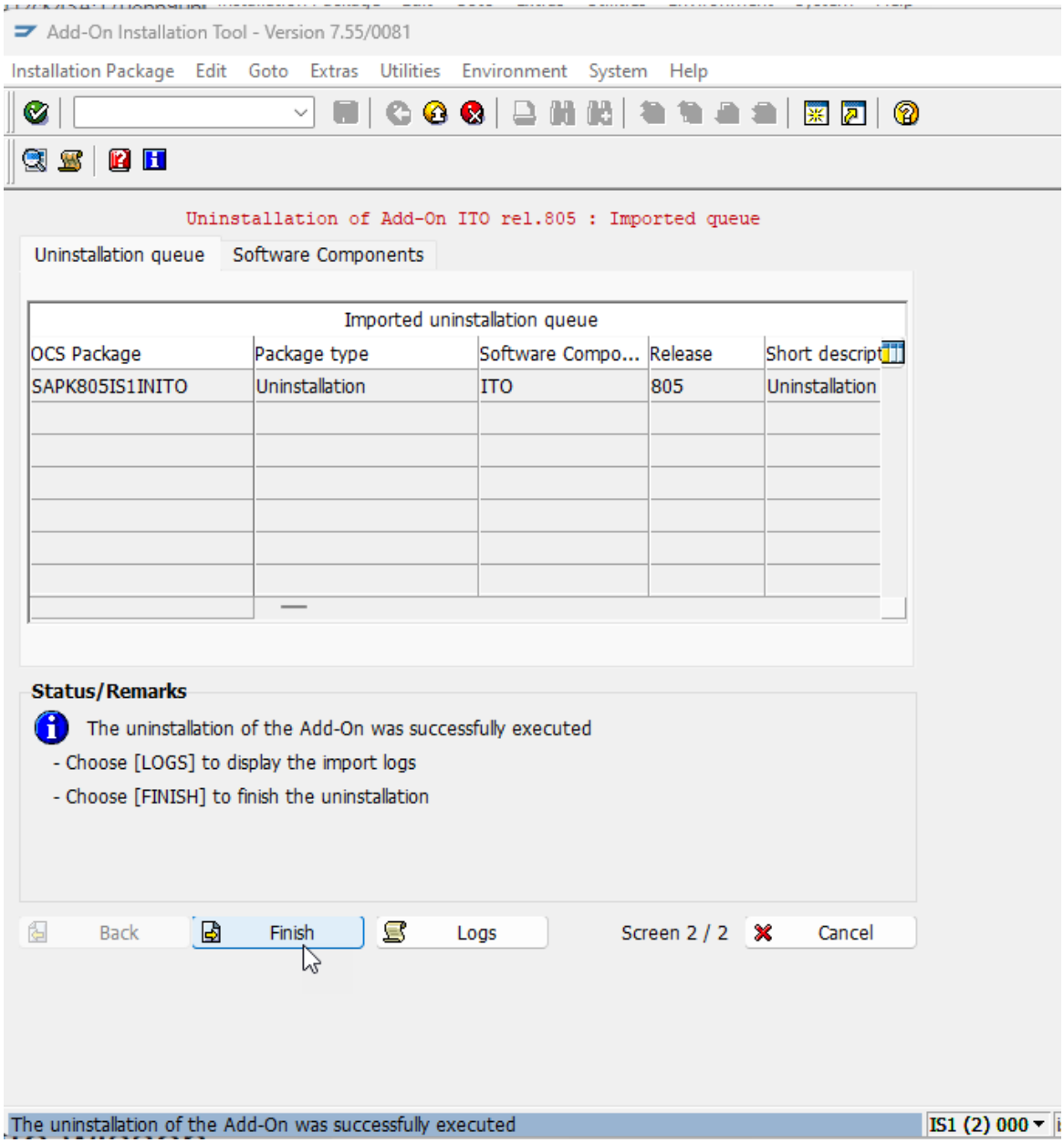
Additional check with SE06 - System Change Option

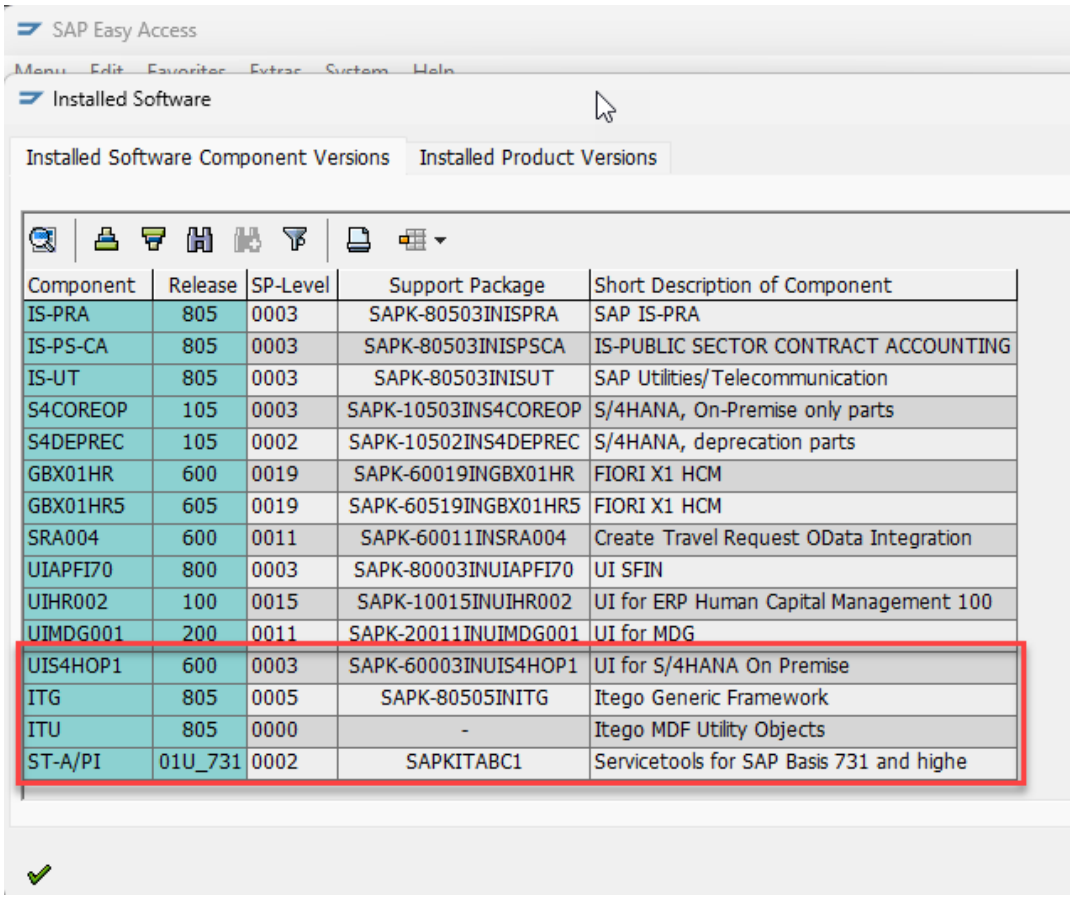


Uninstall ITO



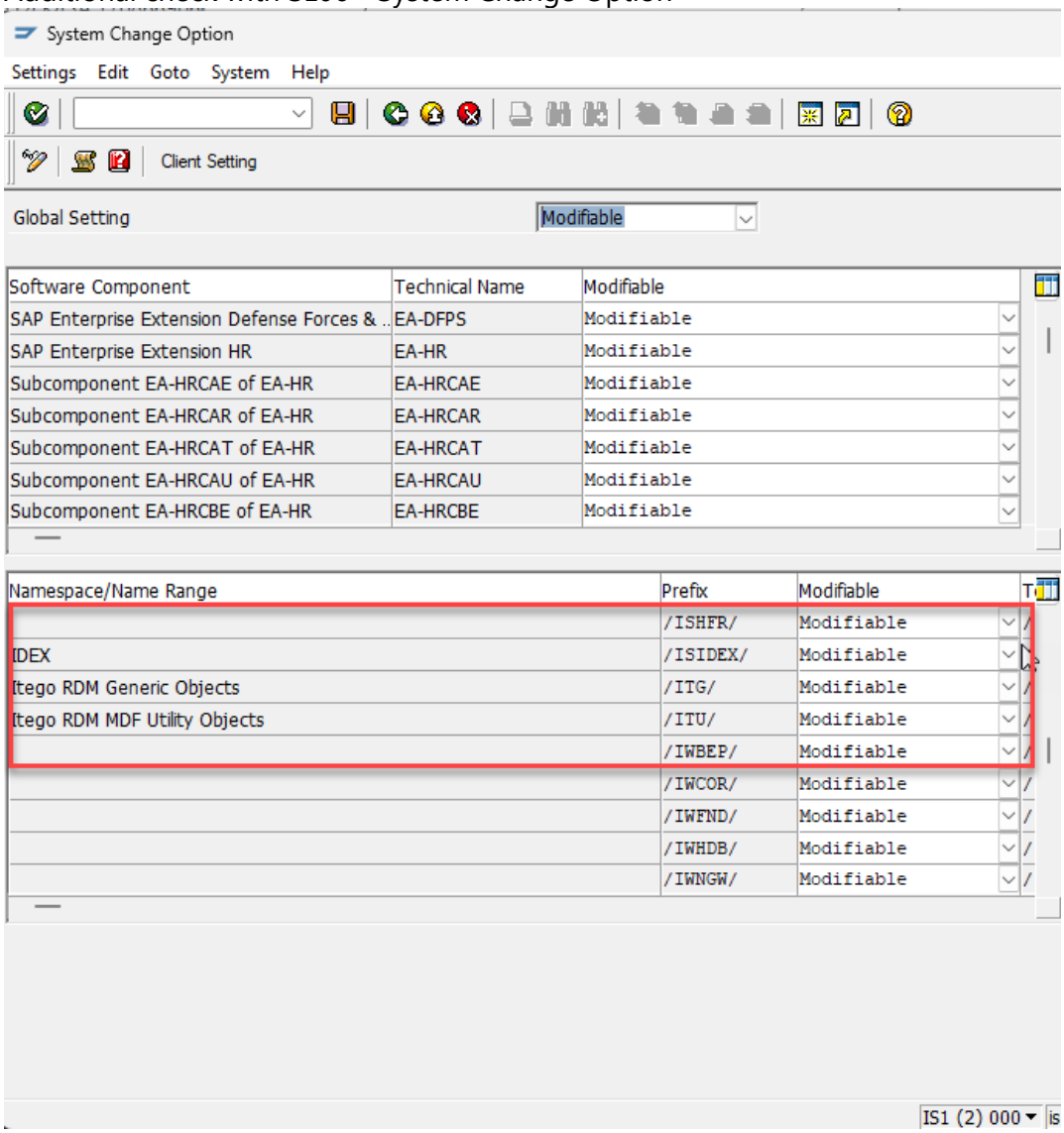

Add-On Installation Tool - Version 7.55/0081
Installation Package Edit Goto Extras Utilities Environment System Help
Start Options
You want to uninstall the following software components.
Add-On
Type
Note
ITO
Uninstallation
1883223
This can cause data to be lost. Before you start the uninstallation, open the URL of the associated SAP Note and read it carefully. Each note contains explanatory information and any steps you need to perform before or after the uninstallation.
Select the required start options.
Choose "Continue" to confirm that you have read the notes and that you want to start the uninstallation with the selected start options.
Selected start options
Checks
Start in dialog
Planned Start
No Start After
Preparation
Continue in dialog
Planned Start
No Start After
Import
Continue in dialog
Planned Start
No Start After
00:00:00
IS1 (2) 000
is1r3
INS


Add-On Installation Tool - Version 7.55/0081
Installation Package Edit Goto Extras Utilities Environment System Help
Uninstallation of Add-On ITO rel.805 : Imported queue
Uninstallation queue
Software Components
Imported uninstallation queue
OCS Package
Package type
Software Compo...
Release
Short descript
SAPK805IS1INITO
Uninstallation
ITO
805
Uninstallation
Status/Remarks
The uninstallation of the Add-On was successfully executed
- Choose [LOGS] to display the import logs
- Choose [FINISH] to finish the uninstallation
Back
Finish
Logs
Screen 2 / 2
Cancel
The uninstallation of the Add-On was successfully executed
IS1 (2) 000

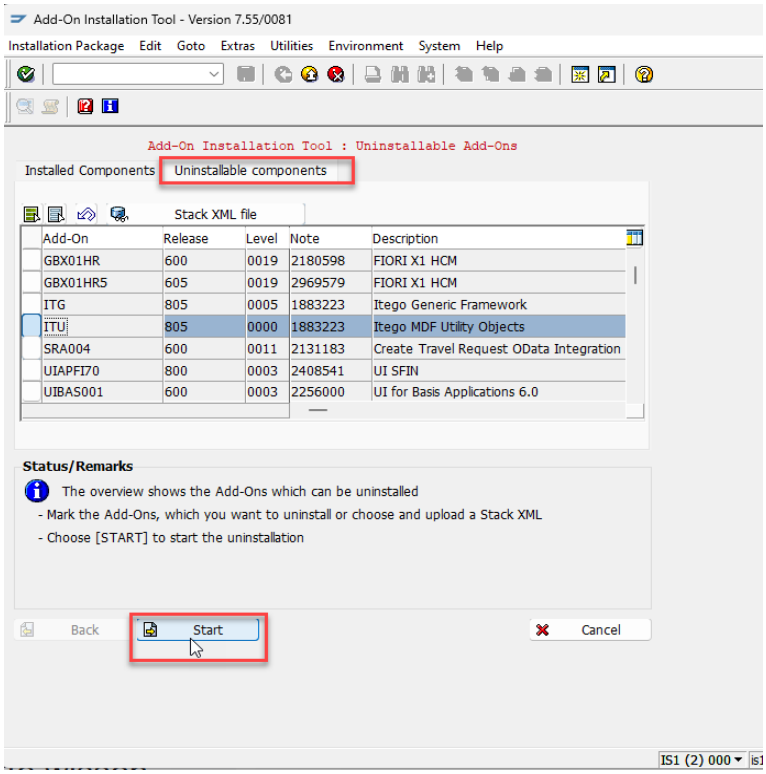


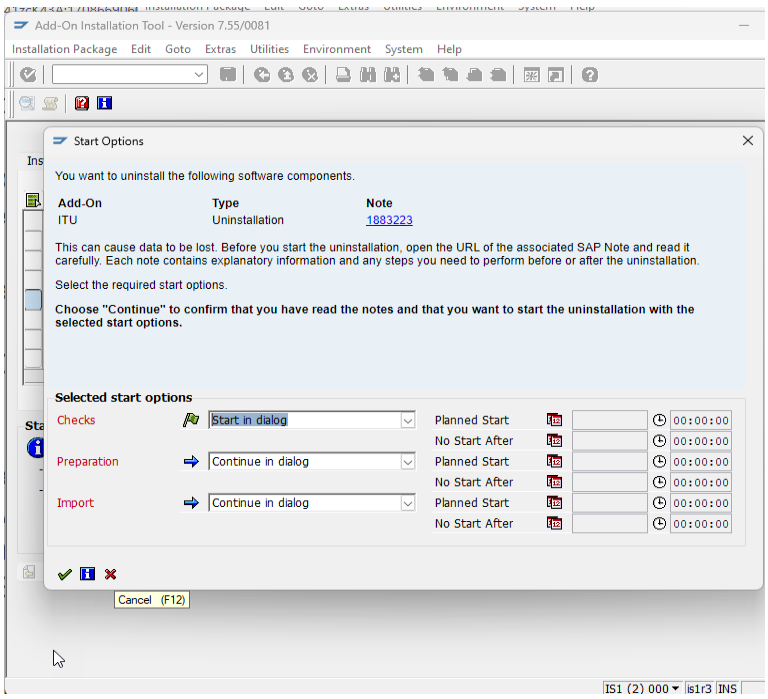
Component	Release	SP-Level	Support Package	Short Description of Component
IS-PRA	805	0003	SAPK-80503INISPRA	SAP IS-PRA
IS-PS-CA	805	0003	SAPK-80503INISPSCA	IS-PUBLIC SECTOR CONTRACT ACCOUNTING
IS-UT	805	0003	SAPK-80503INISUT	SAP Utilities/Telecommunication
S4COREOP	105	0003	SAPK-10503INS4COREOP	S/4HANA, On-Premise only parts
S4DEPREC	105	0002	SAPK-10502INS4DEPREC	S/4HANA, deprecation parts
GBX01HR	600	0019	SAPK-60019INGBX01HR	FIORI X1 HCM
GBX01HR5	605	0019	SAPK-60519INGBX01HR5	FIORI X1 HCM
SRA004	600	0011	SAPK-60011INSRA004	Create Travel Request OData Integration
UIAPFI70	800	0003	SAPK-80003INUIAPFI70	UI SFIN
UIHR002	100	0015	SAPK-10015INUIHR002	UI for ERP Human Capital Management 100
UIMDG001	200	0011	SAPK-20011INUIMDG001	UI for MDG
UIS4HOP1	600	0003	SAPK-60003INUIS4HOP1	UI for S/4HANA On Premise
ITG	805	0005	SAPK-80505INITG	Itego Generic Framework
ITU	805	0000	-	Itego MDF Utility Objects
ST-A/PI	01U_731	0002	SAPKITABC1	Servicetools for SAP Basis 731 and highe

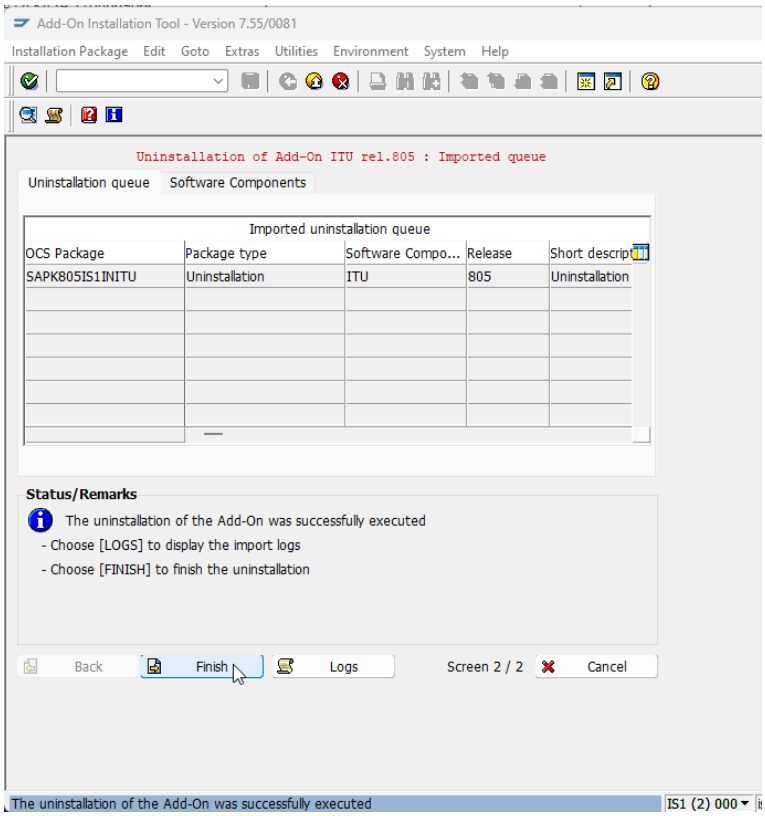
Additional check with SE06 - System Change Option

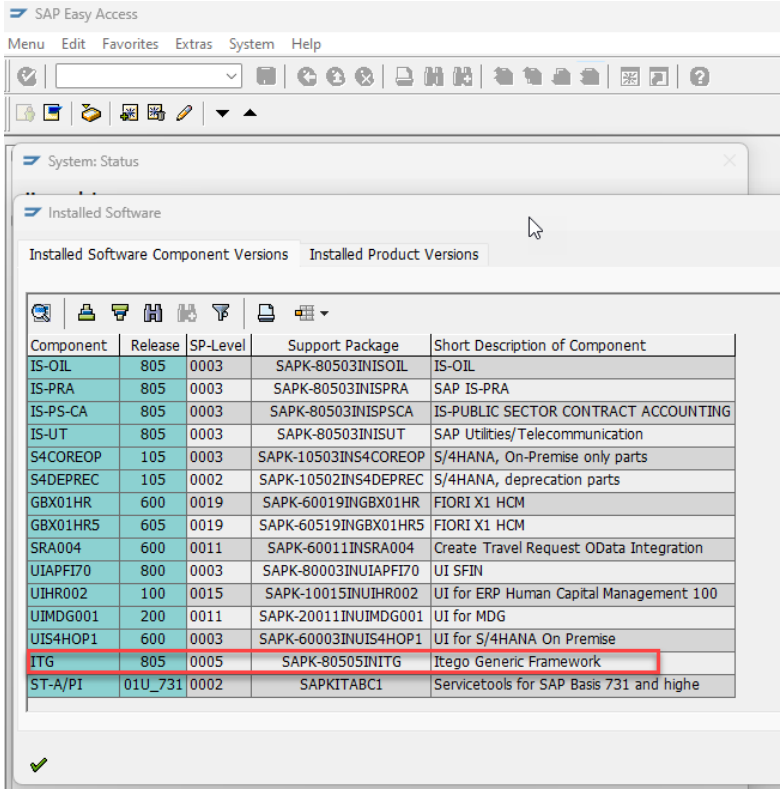


Uninstall ITU



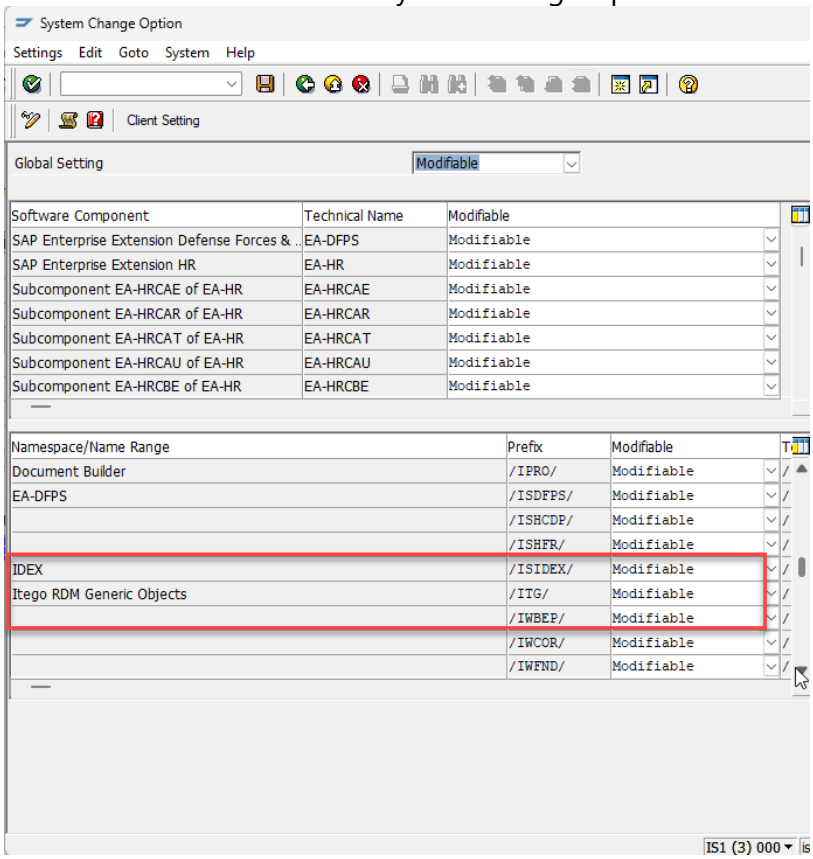




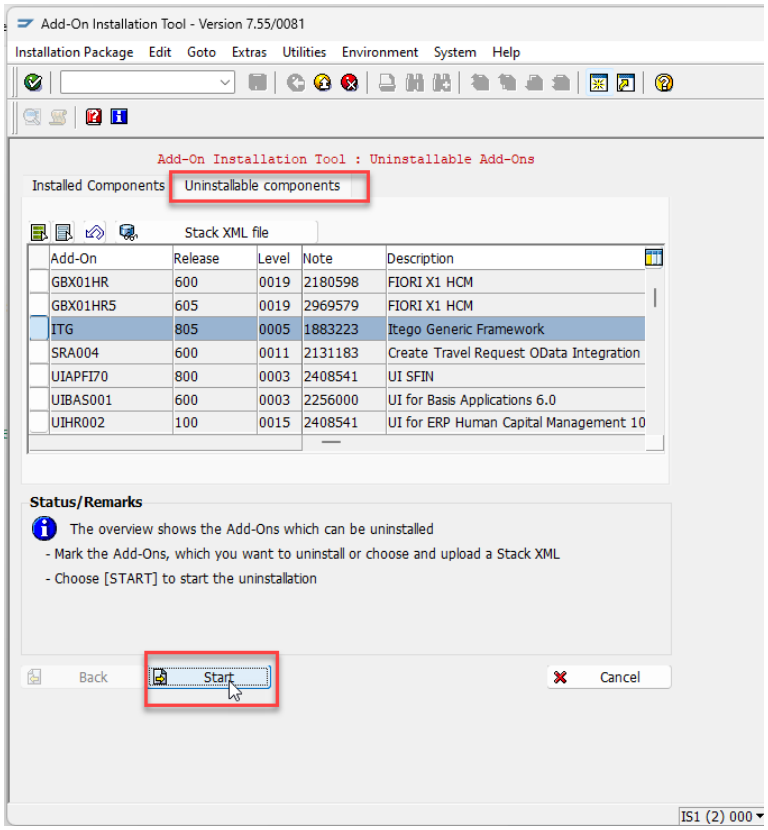


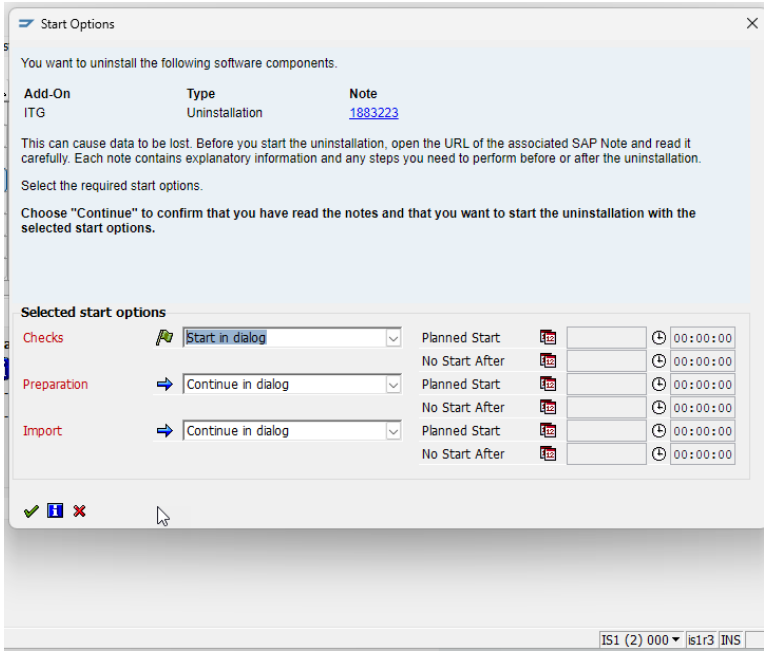
Component	Release	SP-Level	Support Package	Short Description of Component
IS-OIL	805	0003	SAPK-80503INISOIL	IS-OIL
IS-PRA	805	0003	SAPK-80503INISPRA	SAP IS-PRA
IS-PS-CA	805	0003	SAPK-80503INISPSCA	IS-PUBLIC SECTOR CONTRACT ACCOUNTING
IS-UT	805	0003	SAPK-80503INISUT	SAP Utilities/Telecommunication
S4COREOP	105	0003	SAPK-10503INS4COREOP	S/4HANA, On-Premise only parts
S4DEPREC	105	0002	SAPK-10502INS4DEPREC	S/4HANA, deprecation parts
GBX01HR	600	0019	SAPK-60019INGBX01HR	FIORI X1 HCM
GBX01HR5	605	0019	SAPK-60519INGBX01HR5	FIORI X1 HCM
SRA004	600	0011	SAPK-60011INSRA004	Create Travel Request OData Integration
UIAPFI70	800	0003	SAPK-80003INUIAPFI70	UI SFIN
UIHR002	100	0015	SAPK-10015INUIHR002	UI for ERP Human Capital Management 100
UIMDG001	200	0011	SAPK-20011INUIMDG001	UI for MDG
UIS4HOP1	600	0003	SAPK-60003INUIS4HOP1	UI for S/4HANA On Premise
ITG	805	0005	SAPK-80505INITG	Itego Generic Framework
ST-A/PI	01U_731	0002	SAPKITABC1	Servicetools for SAP Basis 731 and highe

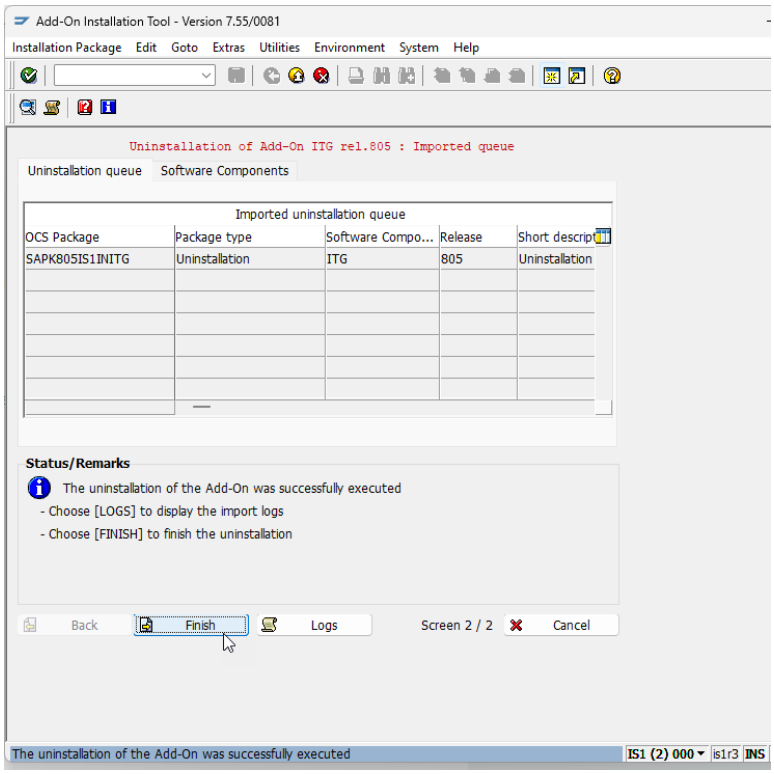
Additional check with SE06 - System Change Option

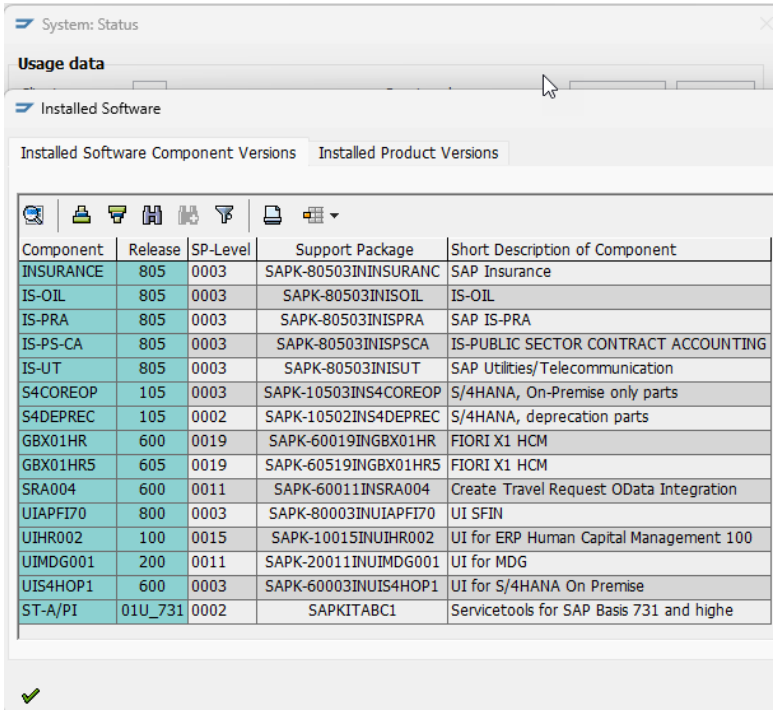


Uninstall ITG





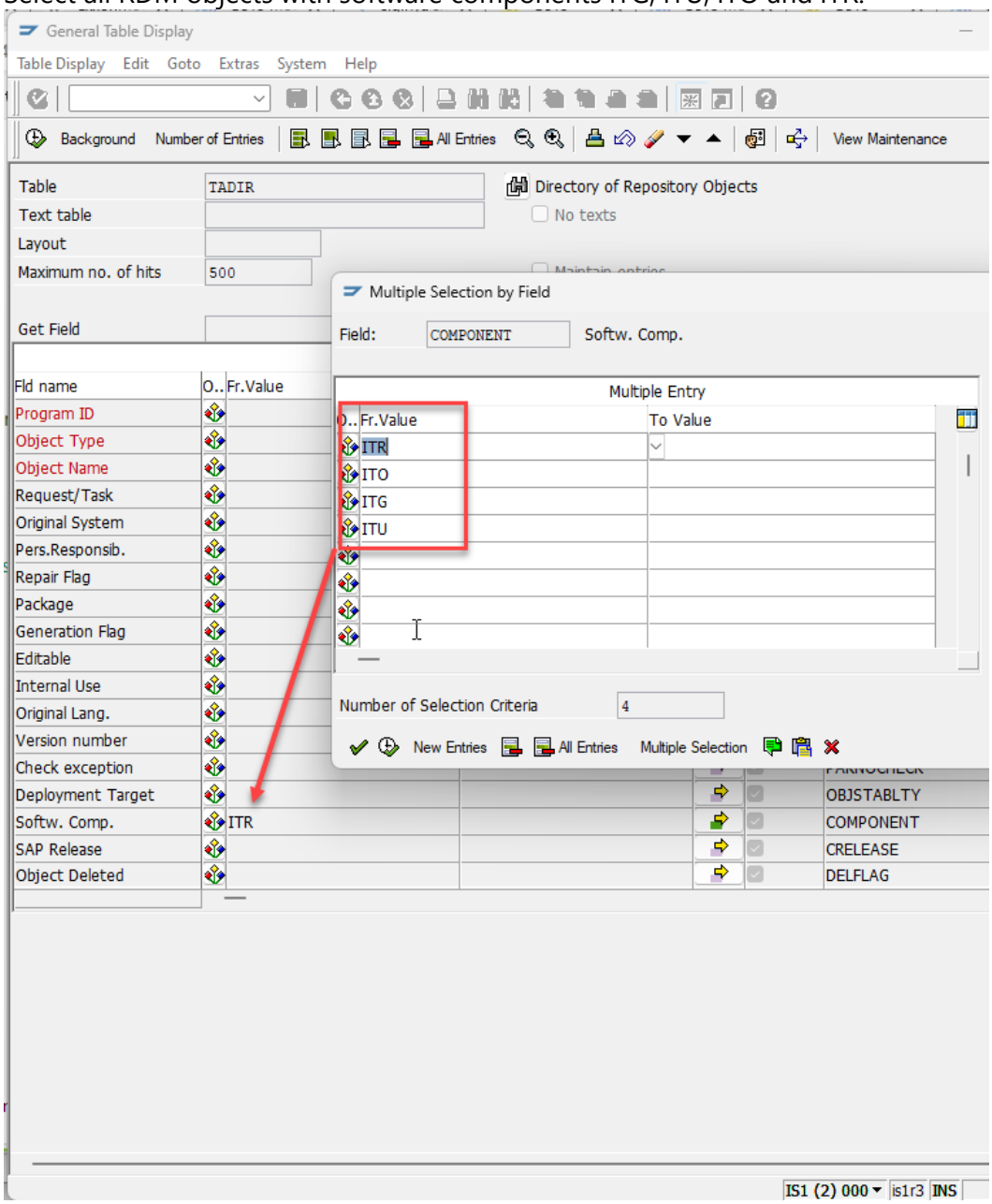
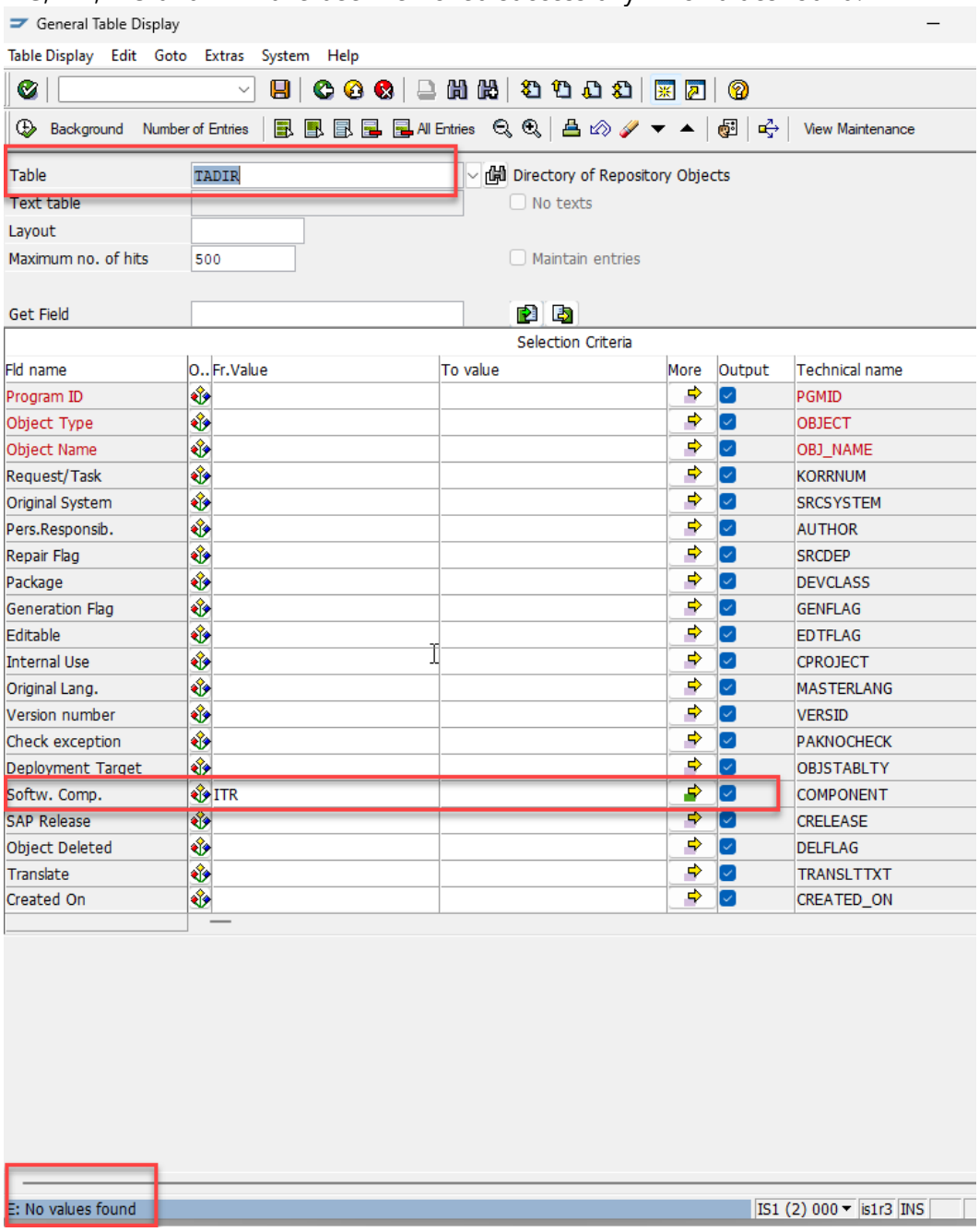




Component	Release	SP-Level	Support Package	Short Description of Component
INSURANCE	805	0003	SAPK-80503ININSURANC	SAP Insurance
IS-OIL	805	0003	SAPK-80503INISOIL	IS-OIL
IS-PRA	805	0003	SAPK-80503INISPRA	SAP IS-PRA
IS-PS-CA	805	0003	SAPK-80503INISPSCA	IS-PUBLIC SECTOR CONTRACT ACCOUNTING
IS-UT	805	0003	SAPK-80503INISUT	SAP Utilities/Telecommunication
S4COREOP	105	0003	SAPK-10503INS4COREOP	S/4HANA, On-Premise only parts
S4DEPREC	105	0002	SAPK-10502INS4DEPREC	S/4HANA, deprecation parts
GBX01HR	600	0019	SAPK-60019INGBX01HR	FIORI X1 HCM
GBX01HR5	605	0019	SAPK-60519INGBX01HR5	FIORI X1 HCM
SRA004	600	0011	SAPK-60011INSRA004	Create Travel Request OData Integration
UIAPFI70	800	0003	SAPK-80003INUIAPFI70	UI SFIN
UIHR002	100	0015	SAPK-10015INUIHR002	UI for ERP Human Capital Management 100
UIMDG001	200	0011	SAPK-20011INUIMDG001	UI for MDG
UIS4HOP1	600	0003	SAPK-60003INUIS4HOP1	UI for S/4HANA On Premise
ST-A/PI	01U_731	0002	SAPKITABC1	Servicetools for SAP Basis 731 and highe

Uninstall Check via TADIR

Select all RDM objects with software components ITG, ITU, ITO and ITR.



This TADIR check shows, that all RDM objects (more than 4,500) with software components ITG, ITR, ITO and ITR have been removed successfully – no values found.