

SWIFT / SIC / PostFinance / SECOM / SEPA 2023

Customization Upgrade Guide
Release Independent
Area: Settlement

Latest version of this document

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Avaloq Group Ltd. Allmendstr. 140 | CH-8027 Zürich | Switzerland

Version History

Version / Date	Section	Description of the change
Release Independent v3 / 24 May 2024		Updated with SEPA upgrade information for Deutsche Bank.
Release Independent v4 / 08 November 2023		Updated to reflect postponement of the SEPA release to March 2024.
Release Independent v3 / 23 October 2023		Added note on SEPA Direct Debit MndtId and OrgnlMndtId values no longer being allowed to contain leading or trailing whitespace.
Release Independent v2 / 20 October 2023		Added notes on CTX_ACTION_INQ (SCRIPT PACKAGE) for SEPA Credit Transfer Inquiry.
Release Independent v1 / 19 October 2023		Updated with SEPA upgrade information.
Release Independent v0 / 29 September 2023		This is a new document.

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1 Introduction

This section describes the required changes to prepare the upgrade of SWIFT, SIC, PostFinance, and SECOM in November 2023, and SEPA in March 2024.

Further Reading

For more information, read the following:

<i>SWIFT Release 2023 - Business User Guide (doc. ID: 1420)</i>	Provides information about the SWIFT Standards MT release in November 2023.
<i>SIC Release 4.10 - November 2023 - Business User Guide (doc. ID: 2140)</i>	Provides an overview of the changes in Avaloq Core regarding SIC Release 4.10.
<i>SEPA Release 2023 - Business User Guide (doc. ID: 1422)</i>	Provides an overview of the changes in Avaloq Core regarding the SEPA update that takes effect on 17 March 2024 (postponed from 19 November 2023).

Table 1: Further reading

2 Customization Upgrade November 2023

2.1 Checklist for November 2023

This section serves as an overview for necessary upgrade steps in November 2023 (March 2024 in the case of SEPA).

SWIFT

The table below provides a checklist of steps to be done before or after an upgrade.

Upgrade Step	Done
Before upgrade	
On the productive Avaloq Core, on the date the release upgrade is productive on the SWIFT FIN network, set the <code>netw_release_id</code> item of the <code>avq.msg.swift</code> base parameter to "swift\$sss23".	<input type="checkbox"/>
Check / adapt your CSS in accordance with the changes to the SWIFT messages listed in "Upgrading SWIFT MT for November 2023" on page 12 .	<input type="checkbox"/>
For more information, see <i>SWIFT Release 2023 - Business User Guide (doc. ID: 1420)</i> .	
After upgrade	
Upload the Bank Directory Plus directory.	<input type="checkbox"/>

Table 2: Migration checklist SWIFT (November 2023)

SIC

The table below provides a checklist of steps to be done before or after an upgrade.

Upgrade Step	Done
Before upgrade	
On the productive Avaloq Core, on the date the release upgrade is productive on the SIC network, set the <code>netw_release_id</code> item of the <code>avq.msg.swift</code> base parameter to "swift\$sss23".	<input type="checkbox"/>
Check / modify your customizations in accordance with the SIC messages listed in "Upgrading SIC for November 2023" on page 22 .	<input type="checkbox"/>
For more information, see <i>SIC Platform Release 4.10 - Business User Guide (doc. ID: 2140)</i> .	

Table 3: Migration checklist SIC (November 2023)

SEPA

The table below provides a checklist of steps to be done before or after an upgrade.



Due to the postponement of the 2023 SEPA release until 17 March 2024, the steps below are not necessary until that date.

Upgrade Step	Done
Before upgrade	
On the productive Avaloq Core, on the date the release upgrade is productive on the SEPA network, set the <code>netw_release_id</code> item of the <code>avq.intf.mx.sepa</code> base parameter to "mx\$sepa23".	<input type="checkbox"/>
Check / modify your customizations in accordance with the SEPA messages listed in "Upgrading SEPA for March 2024" on page 86 .	<input type="checkbox"/>
For more information, see <i>SEPA Release 2023 - Business User Guide (doc. ID: 1422)</i> .	

Table 4: Migration checklist SEPA (March 2023)

3 SWIFT MT Customization Upgrade November 2023

3.1 SWIFT MT Changes for November 2023

The following sections describe the changes you must make to your SWIFT MT implementation for the SWIFT MT 2023 release.

For more information about kernel changes made to comply with the latest SWIFT specification, see *SWIFT Release 2023 - Business User Guide (doc. ID: 1420)*.

3.1.1 SWIFT MT Modified Avaloq Sources November 2023

The following sources were modified:

Network Structure SWIFT1

The following changes have been made to this source:

Tag	Field name	Field Format	New/modified
14H	All Barrier Dates Business Day Convention	4!c	New
14K	Interim Barrier Dates Business Day Convention	4!c	New
14L	Barrier Event End Date Business Day Convention	4!c	New
14M	Barrier Time Type	4!c	New
14N	Spot Marker	4!c	New
14O	Barrier Event Determination Time Source	4!c	New
14S	Barrier Settlement Rate Source		Modified name
17C	Barrier Event Equal Modifier	1!a	New

Network Structure SWIFT2

The following changes have been made to this source:

Tag	Field name	Field format	New/modified
29I	Barrier Determination Business Days	4!c	New
29J	Barrier Event Determination Time	4!c/4!n	New
29O	Continuous Time Period	4!c/4!n4!n	New
29E	Expiration or Valuation Location and Time		Modified name
29H	Location of Barrier Event		Modified name
24G		addr text_z_up_crlf 12*65z	Modified field format

Network Structure SWIFT3

The following changes have been made to this source:

Tag	Field name	Field format	New/modified
30I	Barrier Monitoring Period	8!n[/8!n]	New
33Z	Rebate Amount	15d	New

Tag	Field name	Field format	New/modified
30U	Date of Barrier Event		Modified name
30X	Expiration or Valuation Date		Modified name
35C		val 9x	Modified field format
30H	Binary Amount Payment Date		Modified name
39F	Supplementary Information About Amount	12*65z	New

Network Structure SWIFT4

The following changes have been made to this source:

Tag	Field name	Field format	New/modified
44A		narr text_x 140z	Modified field format
44B		narr text_x 140z	Modified field format
44E		narr text_x 140z	Modified field format
44F		narr text_x 140z	Modified field format
44J	Governing Law/Jurisdiction	2!a[/35x] [/65x]	New

Network Structure SWIFT7

The following changes have been made to this source:

Tag	Field name	Field format	New/modified
78D	Instructions to Intermediary Bank	12*65x	New

3.2 Upgrading SWIFT MT for November 2023

To keep up to date with the SWIFT MT 2023 release upgrade, complete the following steps.

The `netw_release_id` item of the `avq.msg.swift` base parameter defines the currently valid release for SWIFT, SIC, SEPA and PostFinance. This item must be set at the date of a release upgrade. If this base parameter is not set, or is set with the value from a previous release, the implementation assumes the lowest possible or previous release for a given stream.

The `netw_release_id` base parameter item of the `avq.msg.sic` base parameter is no longer used and does not need to be updated. Instead, the `netw_release_id` item of the `avq.msg.swift` base parameter is used for all S4 and PostFinance releases.



The changes for the 2023 release can be installed *before* the actual release date.

Message structures are extended to support the old and new releases. Outgoing message handlers are capable of completing the messages in both the old *and* new formats for each network.

The decision of which version to use is specified in the `netw_release_id` item of the `avq.msg.swift` base parameter.

3.2.1 Prerequisite

Before testing the changes delivered for SWIFT Standards MT Release November 2023, you must set the `netw_release_id` item of the `avq.msg.swift` base parameter to "swift\$sss23" on the testing environment. When moving the change to production, you must also ensure that this value is set.

3.2.2 Steps to Follow

1. On the productive Avaloq Core, on the date the release upgrade is productive on the SWIFT FIN network, set the `netw_release_id` item of the `avq.msg.swift` base parameter to "swift\$sss23".
2. Check your CSS for the following messages types. Some fields and options have been removed or replaced by new fields and options. For information about the changes that have been delivered, ensure you read *SWIFT Release 2023 - Business User Guide (doc. ID: 1420)*.
 - MT300 Foreign Exchange Confirmation
 - MT304 Advice/Instruction of a Third Party Deal
 - MT 305 Foreign Currency Option Confirmation
 - MT 306 Foreign Currency Option Confirmation
 - MT 537 Statement of Pending Transactions
 - MT564 Corporate Action Notification
 - MT565 Corporate Action Instruction
 - MT566 Corporate Action Confirmation
 - MT567 Corporate Action Status and Processing Advice
 - MT 568 Corporate Action Narrative

- MT 700 Issue of a Documentary Credit
- MT 707 Amendment to a Documentary Credit
- MT 710 Advice of a Third Bank's or a Non-Bank's Documentary Credit
- MT 720 Transfer of a Documentary Credit
- MT 760 Issue of a Demand Guarantee/Standby Letter of Credit
- MT 767 Amendment to a Demand Guarantee/Standby Letter of Credit

3.2.3 Result

The SWIFT MT implementation is up to date.

4 PostFinance Customization Upgrade November 2023

4.1 PostFinance Changes for November 2023

No kernel changes are delivered for the PostFinance network. To keep your system current for the PostFinance November 2023 update, review the official specification and modify the relevant customization sources if required.

5 SIC Customization Upgrade November 2023



Avaloq will update this documentation to reflect additional changes as it finalizes support for the changes described in *SIC Release 4.10 - November 2023 - Business User Guide* (doc. ID: 2140).

5.1 SIC Changes for November 2023

The information below describes the changes you need to make to your SIC/euroSIC implementation for the SIC 4.10 release in November 2023. These updates are required due to changes to the kernel code implemented by Avaloq, in accordance with the latest SIC specifications. Review any existing customization for the related message types to ensure that your implementation is valid for the 2023 specification.

For more information about kernel changes made to comply with the latest SIC specification, see *SIC Release 4.10 - November 2023 - Business User Guide* (doc. ID: 2140).

5.1.1 camt.025

Avaloq has implemented the following changes:

- A new XSD will be used for SIC release 2023: `mx.camt.025.001.05.ch.02.xsd`. Based on that, the new `MX.CAMT025_V05_SIC_02` (MSG BDL STRUCT) has been introduced to group together the following new msg structs:
 - `MX.CAMT025N_V05_SIC_GRP_02`
 - `MX.CAMT025N_V05_SIC_TRX_02`
- `camt025` messages are handled on the incoming side only. The existing `meta_msg` is used: `MX.CAMT025N_TRX.SIC.IN` (MSG IN). No new `meta_msg` or MSG IN has been introduced.
- The existing `MX_CAMT025N_TRX_SIC_IN` (SCRIPT PACKAGE) has been modified to support the new `meta_msg_struct` (that is, `v05_02`).

Impact on customization

New CSS exits **have not** been provided in `MX_CAMT025N_TRX_SIC_IN_CSS` (SCRIPT PACKAGE). Therefore, existing functions and procedures may need to be customized with a cast of the input parameter `i_msg` to the newly introduced `mem_msg` (`mem_msg_mx_camt025n_v05_sic_trx_02`).

Incoming messages

A new row has been added in `CODE_FILE_UPL_TYPE` (CODE TAB), associated with the newly created msg bundle with `intl_id = mx_camt025_v5_sic_02`.

If you manage message upload via external files, customize the following sources:

- `CODE_FILE_UPL_TYPE_CONFIG` (CODE TAB)
- `CODE_ORDER_TYPE.RUN` (CODE TAB)

5.1.2 camt.029

`camt.029` has previously covered two different business use cases with different XSDs (return request rejection and SEPA investigation resolution), which are now consolidated into a single XSD (`camt.029.001.09.ch.02`).

Different blocks are either mandatory, forbidden, or optional depending on the use case, and validation is now in place to check the message structure accordingly:

- **Return request rejection**
 - Mandatory: Assignment, Status, Cancellation Details
 - Forbidden: Resolved Case, Modification Details, Claim Non Receipt Details, Resolution Related Information
- **SEPA investigation resolution**
 - Mandatory: Assignment, Resolved Case, Status, Modification Details
 - Forbidden: Cancellation Details
 - Optional: Claim Non Receipt Details, Resolution Related Information

Avaloq has implemented the following changes:

- A new MX.CAMT029_V09_02_SIC (MSG BDL STRUCT) source based on the XSD, which groups together all the new msg structs (one per block):
 - MX.CAMT029N_V09_02_SIC_ASSGNMT
 - MX.CAMT029N_V09_02_SIC_RSLVD_CASE
 - MX.CAMT029N_V09_02_SIC_STS
 - MX.CAMT029N_V09_02_SIC_TRX
 - MX.CAMT029N_V09_02_SIC_MOD_DTLS
 - MX.CAMT029N_V09_02_SIC_CLM_NON_RCT_DTLS
 - MX.CAMT029N_V09_02_SIC_RSLTN_RLTD_INF
- New meta_msg for each business use case:
 - **Return request rejection:** MX.CAMT029N_V09_02_SIC_TRX (MSG OUT), MX.CAMT029N_V09_02_SIC_TRX.XB (MSG OUT), MX.CAMT029N_V09_02_SIC_TRX.IN (MSG IN)
 - **SEPA investigation resolution:** MX.CAMT029N_V09_02_SIC_MOD_DTLS (MSG OUT), MX.CAMT029N_V09_02_SIC_MOD_DTLS.IN (MSG IN)
- New generic and SIC-specific script packages for the SEPA investigation resolution use case, characterised by a name containing "INQ" (for example, MX_CAMT029N_SIC_INQ (SCRIPT PACKAGE)).
- Modification of existing generic and SIC-specific script packages for the return request rejection use case, characterised by a name containing "TRX" (e.g. MX_CAMT029N_SIC_TRX (SCRIPT PACKAGE)).

Impact on customization

Incoming messages

CSS are provided to overwrite, validate, and proceed orders:

- **Return request rejection** (inpay order): MX_CAMT029N_TRX_IN_CSS
- **SEPA investigation resolution** (CRM issue order): MX_CAMT029N_INQ_IN_CSS

A new row has been added in CODE_FILE_UPL_TYPE (CODE TAB), associated with the newly created msg bundle with intl_id = mx_camt029_v0902_sic (no underscore between 09 and 02 due to intl_id length limitations – not a typo).

If you manage message upload via external files, customize the following sources:

- CODE_FILE_UPL_TYPE_CONFIG (CODE TAB)
- CODE_ORDER_TYPE.RUN (CODE TAB)

Outgoing messages

CSS are provided to overwrite the generated message:

- **Return request rejection:** MX_CAMT029N_SIC_BDL_OUT_CSS AND MX_CAMT029N_TRX_OUT_CSS
- **SEPA investigation resolution:** MX_CAMT029N_INQ_OUT_CSS

Customize the following sources:

- **Return request rejection:** CODE_SETTLE_PLAN (CODE TAB) and CODE_SETTLE_PLAN_MSG (CODE TAB)
- **SEPA investigation resolution:** In the workflow of CRM Issue order, send the new message mx_camt029n_v09_02_sic_mod_dtls.

Update the message out delivery rules by adding the new meta msg bundles, mx_camt029_v09_02_sic_sic_out and mx_camt029_v09_02_sic_eusic_out.

5.1.3 camt.056

Avaloq has implemented the following changes:

- A new MX.CAMT056_V08_SIC_03 (MSG BDL STRUCT) source based on the camt.056.001.08.ch.03 XSD, which groups together all the new msg structs (one per block):
 - MX.CAMT056N_V08_SIC_ASGN_03
 - MX.CAMT056N_V08_SIC_CTRL_03
 - MX.CAMT056N_V08_SIC_TRX_03
- meta_msg remains the same on both the incoming and outgoing side (i.e. MSG IN / MSG OUT handlers are unchanged)
- Modification of existing generic and specific script packages for supporting the new meta_msg_struct version (i.e. 03)

Impact on customization

New CSS exits are provided in MX_CAMT056N_SIC_BDL_OUT_CSS for the new message version (i.e. `inpay#ovr_assgnr_v08_03`, `inpay#ovr_assgne_v08_03`), for overwriting the setting of the `assgne/assgnr` fields at bundle level.

A new row has been added in CODE_FILE_UPL_TYPE (CODE TAB), associated with the newly created msg bundle with `intl_id = mx_camt056_v8_sic_03` (v8 used instead of v08 due to `intl_id` length limitations – not a typo).

If you manage message upload via external files, customize the following sources to reference the new `file_upl_type_id`:

- CODE_FILE_UPL_TYPE_CONFIG (CODE TAB)
- CODE_ORDER_TYPE.RUN (CODE TAB)

If message out delivery rules exist for the previous version of the camt.056 bundle (that is, the non-03 version), add a new rule (or modify the existing rule) to support the new 03 bundle version.

5.1.4 camt.027

Avaloq has implemented the following changes:

- A new XSD will be used for SIC release 2023: mx.camt.027.001.07.ch.01.xsd. Based on that, the new MX.CAMT027_SIC_V07 (MSG BDL STRUCT) has been introduced to group together the following new msg structs:
 - MX.CAMT027N_SIC_ASGN_V07
 - MX.CAMT027N_SIC_CASE_V07
 - MX.CAMT027N_SIC_TRX_V07
 - MX.CAMT027N_SIC_INSTR_FOR_ASGNE_V07
- meta_msg remains the same on both the incoming and outgoing side: MX.CAMT027N_SIC_TRX.IN (MSG IN) and MX.CAMT027N_SIC_TRX (MSG OUT). No new meta_msg or MSG IN/OUT has been introduced.
- Specific existing script packages have been modified to support the new meta_msg_struct (that is, v07): MX_CAMT027N_SIC_TRX (SCRIPT PACKAGE) and MX_CAMT027N_SIC_TRX_IN (SCRIPT PACKAGE).

Impact on customization

New CSS exits **have not** been provided in MX_CAMT027N_TRX_IN_CSS (SCRIPT PACKAGE) or MX_CAMT027N_TRX_OUT_CSS (SCRIPT PACKAGE). Therefore, existing functions and procedures may need to be modified with a cast of the input parameter `i_msg` to the newly introduced mem_msg (mem_msg_mx_camt027n_sic_trx_v07).

Incoming messages

A new row has been added in CODE_FILE_UPL_TYPE (CODE TAB), associated with the newly created msg bundle with intl_id = mx_camt027_sic_v07.

If you manage message upload via external files, customize the following sources:

- CODE_FILE_UPL_TYPE_CONFIG (CODE TAB)
- CODE_ORDER_TYPE.RUN (CODE TAB)

Outgoing messages

Messages are generated by the same context action as before SIC release 2023.

If message out delivery rules exist for the previous version of the camt027 bundle, add a new rule (or modify the existing rule) to support the new meta msg bundles, mx_camt027_sic_v07_sic_out and mx_camt027_sic_v07_eusic_out.

5.1.5 camt.087

Avaloq has implemented the following changes:

- A new XSD will be used for SIC release 2023: mx.camt.087.001.06.ch.01.xsd. Based on that, the new MX.CAMT087_SIC_V06 (MSG BDL STRUCT) has been introduced to group together the following new

msg structs:

- MX.CAMT087N_SIC_ASGN_V06
- MX.CAMT087N_SIC_CASE_V06
- MX.CAMT087N_SIC_TRX_V06
- MX.CAMT087N_SIC_MOD_V06
- MX.CAMT087N_SIC_INSTR_FOR_ASGNE_V06
- meta_msg remains the same on both the incoming and outgoing side: MX.CAMT087N_SIC_TRX.IN (MSG IN) and MX.CAMT087N_SIC_TRX (MSG OUT). No new meta_msg or MSG IN/OUT has been introduced.
- Specific existing script packages have been modified to support the new meta_msg_struct (that is, v06): MX_CAMT087N_SIC_TRX (SCRIPT PACKAGE) and MX_CAMT087N_SIC_TRX_IN (SCRIPT PACKAGE).

Impact on customization

New CSS exits **have not** been provided in MX_CAMT087N_TRX_IN_CSS (SCRIPT PACKAGE) or MX_CAMT087N_TRX_OUT_CSS (SCRIPT PACKAGE). Therefore, existing functions and procedures may need to be customized with a cast of the input parameter `i_msg` to the newly introduced `mem_msg` (`mem_msg_mx_camt087n_sic_trx_v06`).

Incoming messages

A new row has been added in CODE_FILE_UPL_TYPE (CODE TAB), associated with the newly created msg bundle with `intl_id = mx_camt087_sic_v06`.

If you manage message upload via external files, customize the following sources:

- CODE_FILE_UPL_TYPE_CONFIG (CODE TAB)
- CODE_ORDER_TYPE.RUN (CODE TAB)

Outgoing messages

Messages are generated by the same context action as before SIC release 2023.

If message out delivery rules exist for the previous version of the camt.087 bundle, add a new rule (or modify the existing rule) to support the new meta msg bundles `mx_camt087_sic_v06_sic_out` and `mx_camt087_sic_v06_eusic_out`.

5.1.6 pacs.028

Avaloq has implemented the following changes:

- A new XSD will be used for SIC release 2023: `mx.pacs.028.001.01.03.ch.01.xsd`. Based on that, the new MX.PACS028_V03_SIC (MSG BDL STRUCT) has been introduced to group together the following new msg structs:
 - MX.PACS028N_V03_SIC_GRP
 - MX.PACS028N_V03_SIC_TRX

- meta_msg remains the same on both the incoming and outgoing side: MX.PACS028N_SIC_TRX.IN (MSG IN) and MX.PACS028N_SIC_TRX (MSG OUT). No new meta_msg or MSG IN/OUT has been introduced.
- Specific existing script packages have been modified to support the new meta_msg_struct (that is, v03): MX_PACS028N_SIC_TRX (SCRIPT PACKAGE) and MX_PACS028N_SIC_TRX_IN (SCRIPT PACKAGE).

Impact on customization

New CSS exits **have not** been provided in MX_PACS028N_TRX_IN_CSS (SCRIPT PACKAGE) or MX_PACS028N_TRX_OUT_CSS (SCRIPT PACKAGE). Therefore, existing functions and procedures may need to be customized with a cast of the input parameter `i_msg` to the newly introduced `mem_msg` (`mem_msg_mx_pacs028n_v03_sic_trx`).

Incoming messages

Incoming pacs.028 messages are accepted after reception of a camt.056, a camt.027 or a camt.087, as in the current release. A new row has been added in CODE_FILE_UPL_TYPE (CODE TAB), associated with the newly created msg bundle with `intl_id = mx_pacs028_v03_sic`.

If you manage message upload via external files, customize the following sources:

- CODE_FILE_UPL_TYPE_CONFIG (CODE TAB)
- CODE_ORDER_TYPE.RUN (CODE TAB)

Outgoing messages:

Outgoing pacs.028 messages are generated after a camt.027 or a camt.087, as in the current release. They are created by the same context action as before SIC release 2023.

If message out delivery rules exist for the previous version of the pacs028 bundle, add a new rule (or modify the existing rule) to support the new meta msg bundles `mx_pacs028_v03_sic_sic_out` and `mx_pacs028_v03_sic_eusic_out`.

5.1.7 pacs.008, pacs.009, and pacs.004

Avaloq has implemented the following changes:

- meta_msg remains the same on both the incoming and outgoing side (i.e. same MSG IN / MSG OUT handlers), as well as underlying structures.
- Modification of existing generic and SIC-specific script packages for supporting/filling of new fields (LEI, Structured Address).

Impact on customization

There is no impact on customization since the same version of structures & message handlers are used.

5.1.8 Update of the SIC directory format to v2.1

As of SIC release 2023, the SIC directory format will go from v2.0 to v2.1, valid until November 2025. The only difference in the file is the introduction of new codes in the "SIC" field to denote if a bank's IID can be used for customer payments and/or instant payments in SIC.

This change does not affect the loading of the SIC directory file in ACP, and the "SIC" field will be mapped to the same `sic_mbr_code` column of the `SIC_DIR` table as in the current version. So, from November 2023 the possible values of that column will be 0,1,3,4,5,6,7,8.

Impact on customization

Several functions have been made available in `SIC_DIR` (SCRIPT PACKAGE) to check SIC and EUROSIC membership:

- `chk_sic_mbr` - returns true if the bank with the given clearing number participates in SIC
- `chk_sic_mbr_with_cust_pay` - returns true if the bank with the given clearing number participates in SIC with customer payments
- `chk_esic_mbr` - returns true if the bank with the given clearing number participates in EUROSIC
- `sic_clr_nr#sic_mbr_code` - returns the code (values: 1,3,4,5,6,7,8) denoting the type of SIC participation of the bank with the given clearing number
- `sic_clr_nr#esic_mbr_code` returns the code (values: 1,3,4) denoting the type of EUROSIC participation of the bank with the given clearing number

5.2 Upgrading SIC for November 2023

To keep up to date with the SIC 2023 release upgrade, complete the following steps.

Avaloq has implemented some changes to the kernel code. The following changes *must* be made to keep customization in line with these changes.

The `netw_release_id` item of the `avq.msg.swift` base parameter defines the currently valid release for SWIFT, SIC, SEPA and PostFinance. This item must be set at the date of a release upgrade. If this base parameter is not set, or is set with the value from a previous release, the implementation assumes the lowest possible or previous release for a given stream.

The `netw_release_id` base parameter item of the `avq.msg.sic` base parameter is no longer used and does not need to be updated. Instead, the `netw_release_id` item of the `avq.msg.swift` base parameter is used for all S4 and PostFinance releases.



The changes for the 2023 release can be installed *before* the actual release date.

Message structures are extended to support the old and new releases. Outgoing message handlers are capable of completing the messages in both the old *and* new formats for each network.

The decision of which version to use is specified in the `netw_release_id` item of the `avq.msg.swift` base parameter.

5.2.1 Prerequisite

Before testing the changes delivered for SIC Standards Release 4.10 (November 2023), you must set the `netw_release_id` item of the `avq.msg.swift` base parameter to "swift\$sss23" on the testing environment. When moving the change to production, you must also ensure that this value is set.

5.2.2 Steps to Follow

1. On the productive Avaloq Core, on the date the release upgrade is productive on the SIC network, set the `netw_release_id` item of the `avq.msg.swift` base parameter to "swift\$sss23".
2. Review and, if required, modify your customizations related to the following message types:
 - camt.025
 - camt.029
 - camt.056
 - camt.027
 - camt.087
 - pacs.028
3. Review and, if required, modify any customizations that you want to use the new functions available in SIC_DIR (SCRIPT PACKAGE) for checking SIC and EUROSIC membership.

5.2.3 Result

The SIC⁴ implementation is up-to-date.

6 SECOM Customization Upgrade November 2023

6.1 SECOM Changes for November 2023

No kernel changes are delivered for the SECOM network. Changes from SWIFT MT are also inherited in SECOM messages, so to keep your system current for the SECOM November 2023 update, review the [SWIFT MT changes](#) and modify the relevant customization sources if required.

7 SEPA Customization Upgrade March 2024

To keep your system current, review the official specification and modify the relevant customization sources if required.

For more information, see *SEPA Release 2023 - Business User Guide (doc. ID: 1422)*.

7.1 ABL Changes for March 2024

The following sections describe the changes that have been made to the SEPA ABL implementation, in accordance with the latest SEPA ABL specification for 2023.



The migration date for this SEPA release was postponed from 19 November 2023 to 17 March 2024.

7.1.1 pain.001

With the 2023 SEPA release, a new version of the customer credit transfer initiation message based on the ISO 20022 pain.001.001.09 is available for Luxembourg. The current version based on the ISO 20022 pain.001.001.03 message will still be supported in parallel.

Avaloq has implemented the following changes:

- The existing MX.PAIN001_ABBL (MSG BDL STRUCT) and related msg structs have been modified to be compatible with both versions at the same time:
 - MX.PAIN001_ABBL_GRP_HDR
 - MX.PAIN001_ABBL_DBTR
 - MX.PAIN001_ABBL_DBTR_ACCT
 - MX.PAIN001_ABBL_DBTR_AGT
 - MX.PAIN001_ABBL_DBTR_AGT_ACCT
 - MX.PAIN001_ABBL_ULMTT_DBTR
 - MX.PAIN001_ABBL_CHRGs_ACCT
 - MX.PAIN001_ABBL_CHRGs_ACCT_AGT
 - MX.PAIN001_ABBL_TRX
- The new MX.PAIN001_ABBL_REQD_EXCTN_DT (MSG STRUCT) has been created.
- The existing meta_msg MX.PAIN001_ABBL_TRX.IN (MSG IN) is still used, and a new meta_msg MX.PAIN001_ABBL_GRP_HDR.IN (MSG IN) has been introduced to manage both message versions in parallel.
- Existing generic and specific script packages have been modified:
 - MX_PAIN001_TRX_IN
 - MX_PAIN001_ABBL_TRX_IN
 - MX_PAIN001_ABBL_VALID

Impact on customization

New CSS exits **have not** been provided. Therefore, existing functions and procedures may need to be modified to support both versions of the messages in parallel (for example, to access "BIC" (version 03) or "BICFI" (version 09) fields, or the new "LEI" identifier field) in:

- MX_PAIN001_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PAIN001_GRP_IN_CSS (SCRIPT PACKAGE)
- MX_PAIN001_GRP_VALID_CSS (SCRIPT PACKAGE)
- MX_PAIN001_BDL_VALID_CSS (SCRIPT PACKAGE)

7.2 BBK Changes for March 2024

The following sections describe the changes that have been made to the SEPA BBK implementation, in accordance with the latest SEPA BBK specification for 2023.



The migration date for this SEPA release was postponed from 19 November 2023 to 17 March 2024.



For most of the impacted message types below, the existing message (bundle) structures have been modified to be compatible with both SEPA Release version 2023 and the previous version at the same time. The exception is mx.camt.029, where a new message structure and file type has been defined in order to align the camt.029 used for SCT recalls and the camt.029 used for inquiry resolutions.

7.2.1 SEPA Credit Transfer

Sources for the following message types have been modified.

pacs.008 SCT in/out

- MX.BBK_SCF (MSG BDL STRUCT)
- MX.PACS008_TRX (MSG STRUCT)
- MX.PACS008_SCT_BBK_GRP (MSG STRUCT)
- MX.PACS008_SCT_BBK_TRX (MSG STRUCT)
- MX.PACS008_SCT_BBK_TRX (MSG OUT)
- MX.PACS008_SCT_BBK_TRX.IN (MSG IN)
- PACS008_SCT_TRX (DUPL CTRL)
- CODE_MSG_VALID.MX_PACS008_SCT_BBK_TRX_IN (CODE TAB)

pacs.004 SCT in/out

- MX.PACS004_TRX (MSG STRUCT)
- MX.PACS004_SCT_BBK_GRP (MSG STRUCT)
- MX.PACS004_SCT_BBK_TRX (MSG STRUCT)
- MX.PACS004_SCT_BBK_TRX (MSG OUT)
- MX.PACS004_SCT_BBK_TRX.IN (MSG IN)
- MX_PACS004_TRX (DUPL CTRL)
- CODE_MSG_VALID.MX_PACS004_SCT_BBK_TRX_IN (CODE TAB)

pacs.002 SCT in

- MX.PACS002_TRX (MSG STRUCT)
- MX.PACS002_OGRP (MSG STRUCT)

- MX.PACS002_SCTCL_BBK_OGRP (MSG STRUCT)
- MX.PACS002_SCTCL_BBK_TRX (MSG STRUCT)

camt.056 SCT in/out

- MX.CAMT056_ASGN (MSG STRUCT)
- MX.CAMT056_TRX (MSG STRUCT)
- MX.CAMT056_SCT_BBK_ASGN (MSG STRUCT)
- MX.CAMT056_SCT_BBK_TRX (MSG STRUCT)
- MX.CAMT056_SCT_BBK_TRX (MSG OUT)
- MX.CAMT056_SCT_BBK_TRX.IN (MSG IN)

camt.029 SCT in/out



This message type has been implemented using the new native XSD method and a new definition of the SCF file type.

- MX.CAMT.029.001.09.CT.XSD (XSD)
- MX.CAMT.029.001.09.SCT.BBK.XSD (XSD)
- MX.BBK_ICF (MSG BDL STRUCT)
- MX.BBK_SCF_V09 (MSG BDL STRUCT)
- MX.BBK_SCF_V09.IN (MSG BDL IN)
- MX.CAMT029N_V09_SCT_BBK_TRX (MSG OUT)
- MX.CAMT029N_V09_SCT_BBK_TRX.IN (MSG IN)
- MX_CAMT029N_CT_V09_ASSGNMT (DUPL CTRL)
- CODE_FILE_UPL_TYPE.PAY_INTF (CODE TAB)
- CODE_MSG_CHUNK_CONFIG.MX (CODE TAB)
- TASK_MSG.MX_BBK_ICF_GEN (REP SCRIPT)

Cutover

There are some cases that require special attention during the cutover period 17th-18th March 2024.

Case 1

Messages that were:

- generated but not bundled yet before the release switch
- are bundled and sent out after the release switch

For this case, Avaloq delivered a task to regenerate messages that can be executed during the cutover weekend **after** the base parameter `avq.intf.mx.sepa item netw_release_id` has been switched to "mx\$sepa23".

Related sources:

- TASK_MSG.RECALC_MSG_OUT (REP SCRIPT)
- TASK_MSG.RECALC_MSG_OUT_RDY_BDL (TASK TEMPL)

Note that, depending on the workflow/message states used in your customization, you may need to create your own task template with modified filters. For example, clients who are using a compliance/embargo-check interface and have messages pending in embargo check during the cutover weekend will need to run the task for messages in "Hold" status, where the interface will do as follows:

1. Create an outgoing SEPA message in "Hold" status
2. Send a copy of the message to the compliance-check system
3. Receive a positive reply from the compliance checker (pacs.002 message type variant)
4. Change the status of the outgoing SEPA message from "Hold" to "Ready to bundle". (In this step, the outgoing message is **not** recalculated).

If step **1** and **2** happen before the cutover weekend, and steps **3** and **4** after, the task must be run to recalculate the outgoing SEPA messages. Note that this will lead to sending a new copy to the compliance checker (as per step **2**).

Case 2

Single messages without bundling that are attached to the payment or settlement order and were:

- generated before the release switch with a send_date_plan after the release cutover, e.g. payments with a future value date
- sent out after the release switch

Note that if the message is attached to a settlement order, the task executes the workflow action with intl_id settle#calc_store and the recalculation of the message only works if this action contains at least the (calc) (store) (commit) commands.

If this workflow action doesn't exist in your customization, you either need to create a new generic workflow action with intl_id settle#calc_store or, if this intl_id is already in use, you can create a copy of TASK_MSG.RECALC_MSG_OUT (REP SCRIPT) in your customization calling another existing or newly added generic workflow action that contains the workflow commands mentioned above.

On MDB it has been implemented by adding the following generic action in SETTLE.WFC (BUSINESS TYPE CONFIG) starting from WFC-status -1:

```
mdb#.add_wfc_action(      -8, 'Settlement generic calc and store', null, null
    ,i_intl_id            => 'settle#calc_store'
    ,i_stmt               => '(calc) (wfc_rule(settle_store))'
);
```

Case 3

Bundles (files) that have been sent out before the release switch, for which you receive rejections after the release switch. That is, the following sequence of events occurs:

1. A bundle is sent out
2. New software version is installed
3. A reject is received and you need to rebundle

In this scenario, it won't be possible to use the discard and re-bundle action or task, and the bundle needs to be recreated from scratch. Since a rejection normally arrives quickly after the original bundle is sent out, this use case is considered rare and Avaloq proposes the manual workaround. Please note that this would happen at the time of software installation, not at SEPA 2023 go live.

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the release weekend together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the release weekend, support both versions in parallel as shown in the example code snippet below.

```
[script 1.0]

extension script package mx_pacs008_trx_out_css
is

    import                netw_release;

[...]
```

```

procedure doc#fill_extn(
    i_pay                                mem_doc_pay
    ,i_msg                                mem_msg_mx_pacs008_trx
)
is
begin
    -- dbtr_agt => always current BU
    if netw_release.is_greater_or_eql(code_netw_release.mx$sepa23) then
        i_msg.dbtr_agt.fin_instn_id.bicfi.val_text := rpad(obj_bp(session.bu_id).extn.bp_swift_val,
11, 'X');
    else
        i_msg.dbtr_agt.fin_instn_id.bic.val_text := rpad(obj_bp(session.bu_id).extn.bp_swift_val,
11, 'X');
    end if;
exception
    when others then
        err.raise_fa(
            'fill_extn'
            , 'pay'                                , i_pay.doc_id
            , 'new_netw_release_id' , i_msg.head.msg_id
        );
end doc#fill_extn;
```

Potentially affected sources:

- MX_PACS008_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS008_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_OUT_CSS (SCRIPT PACKAGE)
- CODE_FILE_UPL_TYPE_CONFIG.MDB\$PAY_INTF (CODE TAB)
 - Add row for file_upl_type_id "mx_bbk_scf_v09"

- **CODE_SETTLE_PLAN (CODE TAB)**

- Add rows for new msg type meta_msg_spec_id "mx_camt029n_v09_sct_bbk_trx"

Rows added on MDB:

row mdb\$sct_bbk_camt_029_v09	
user_id	"SCT.BBK.CAMT.029.V09"
name	"SCT CAMT.029 BBK V09 - SEPA Credit Transfer
Cancellation Reject"	
meta_typ_id	"pay"
bu_id	

- **CODE_SETTLE_PLAN_MSG (CODE TAB)**

- Add rows for new msg type meta_msg_spec_id "mx_camt029n_v09_sct_bbk_trx"

Rows added on MDB:

row mdb\$sct_bbk_camt_029_v09_1	
user_id	"SCT.BBK.CAMT.029_V09_1"
settle_plan_id	"mdb\$sct_bbk_camt_029_v09"
seq_nr	"1"
meta_msg_spec_id	"mx_camt029n_v09_sct_bbk_trx"

- **MX_CAMT029N_TRX_IN_CSS (SCRIPT PACKAGE)**
- **MX_CAMT029N_TRX_OUT_CSS (SCRIPT PACKAGE)**

7.2.2 SEPA Credit Transfer Inquiry

Sources for the following message types have been modified.

camt.027 SCT in/out

- MX.CAMT.027.001.07.SCT.BBK.XSD (XSD)
- MX.CAMT027N_V07_CT_COVER_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_SPLMTRY_DATA (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_BBK_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_BBK_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_BBK_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_BBK_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_SCT_BBK_TRX (MSG OUT): Copy adaptation depending on the version.
- MX_CAMT027N_V07_CT_ASSGNMT (DUPL CTRL): New duplicate control
- CTX_ACTION_INQ (SCRIPT PACKAGE): Release-dependent control to specify which structure to be used (old or new), because the outgoing message is the same on both versions.

camt.087 SCT in/out

- MX.CAMT.087.001.06.SCT.BBK.XSD (XSD)
- MX.CAMT087N_V06_CT_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_MOD (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_SPLMTRY_DATA (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_BBK_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_BBK_MOD (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_BBK_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_BBK_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_BBK_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_SCT_BBK_TRX (MSG OUT): Copy adaptation depending on the version.
- MX_CAMT087N_V06_CT_ASSGNMT (DUPL CTRL): New duplicate control
- CTX_ACTION_INQ (SCRIPT PACKAGE): Release-dependent control to specify which structure to be used (old or new), because the outgoing message is the same on both versions.

pacs.028 SCT in/out

- MX.PACS.028.001.03.SCT.BBK.XSD (XSD)
- MX.PACS028N_V03_CT_GRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_CT_OGRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_CT_SPLMTRY_DATA (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_CT_TRX (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_SCT_BBK_GRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_SCT_BBK_OGRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_SCT_BBK_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_BBK_MOD_DTLS.IN (MSG IN): New outgoing message for the new release.
- MX.CAMT029N_V09_SCT_BBK_MOD_DTLS (MSG OUT): New outgoing message for the new release.
- MX_PACS028N_V03_CT_GRP (DUPL CTRL): New duplicate control
- CTX_ACTION_INQ (SCRIPT PACKAGE): Release-dependent control to specify which structure to be used (old or new), because the outgoing message is the same on both versions.

camt.029 SCT Inq in/out

- MX.CAMT.029.001.09.SCT.BBK.XSD (XSD)
- MX.CAMT029N_V09_CT_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_CLM_NON_RCT_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_MOD_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_RSLTN_RLTD_INF (MSG STRUCT): New structure for the new release.

- MX.CAMT029N_V09_CT_RSLVD_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_STS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_BBK_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_BBK_CLM_NON_RCT_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_BBK_MOD_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_BBK_RSLTN_RLTD_INF (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_BBK_RSLVD_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_BBK_STS (MSG STRUCT): New structure for the new release.
- MX.PACS028N_SCT_BBK_TRX (MSG OUT): Copy adaptation depending on the version.
- MX_CAMT029N_CT_V09_ASSGNMT (DUPL CTRL): New duplicate control

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the release weekend together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the release weekend, support both versions in parallel as shown in the example code snippet below.

```
if netw_release.is_greater_or_eq1(code_netw_release.mx$sepa23) then
  use the new fields structures.
else
  use the old fields structures.
end if
```

Potentially affected sources:

- MX_IN_CSS (SCRIPT PACKAGE)
- MX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT027N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT027N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT087N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT087N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS028N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS028N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT029N_INQ_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT029N_INQ_OUT_CSS (SCRIPT PACKAGE)

For camt.027, camt.087 and pacs.028, modifications may be required wherever messages are generated with a `send_msg` command, so that they use same logic as `CTX_ACTION_INQ` (SCRIPT PACKAGE) to determine the version that will be used.

7.2.3 SEPA Direct Debit



For all of the impacted message types below, the existing message (bundle) structures have been modified to be compatible with both SEPA Release version 2023 and the previous version at the same time.

Sources for the following message types have been modified.

bundle

- MX.BBK_DNF (MSG BDL STRUCT): Modification of the institution validations depending on the release version.
- MX.BBK_SDF (MSG BDL STRUCT): Modification of the institution validations depending on the release version.

pacs.003 SDD in/out

- MX.PACS003_TRX (MSG STRUCT): Modification of the new structures tags (Agt, BICFI, AnyBIC, LEI).
- MX.PACS003_SDD_BBK_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS003_SDD_BBK_TRX (MSG STRUCT): Modification of the new structures tags (Agt, BICFI, AnyBIC, LEI).
- MX.PACS003_SDD_BBK_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

pacs.004 SDD in/out

- MX.PACS004_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS004_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS004_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS004_SDD_BBK_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS004_SDD_BBK_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS004_SDD_BBK_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.
- MX_PACS004_TRX (DUPL CTRL): Modification of the new structures tags (BICFI).

pacs.002 SDD in/out

- MX.PACS002_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS002_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS002_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS002_SDD_BBK_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS002_SDD_BBK_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).

- MX.PACS002_SDD_BBK_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS002_SDD_BBK_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

pacs.002 SDDCL in

- MX.PACS002_SDDCL_BBK_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS002_SDDCL_BBK_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).

camt.056 SDD in/out

- MX.CAMT056_ASGN (MSG STRUCT): Modification of the new structures tags (BICFI, AnyBIC).
- MX.CAMT056_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.CAMT056_SDD_BBK_ASGN (MSG STRUCT): Modification of the new structures tags (BICFI, AnyBIC).
- MX.CAMT056_SDD_BBK_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.CAMT056_SDD_BBK_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

pacs.007 SDD in/out

- MX.PACS007_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS007_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS007_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS007_SDD_BBK_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS007_SDD_BBK_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS007_SDD_BBK_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

Cutover

There are some cases that require special attention during the cutover period 17th-18th March 2024.

Case 1

Messages that were:

- generated but not bundled yet before the release switch
- are bundled and sent out after the release switch

For this case, Avaloq delivered a task to regenerate messages that can be executed during the cutover weekend **after** the base parameter `avq.intf.mx.sepa item netw_release_id` has been switched to "mx\$sepa23".

Related sources:

- TASK_MSG.RECALC_MSG_OUT (REP SCRIPT)
- TASK_MSG.RECALC_MSG_OUT_RDY_BDL (TASK TEMPL)

Note that, depending on the workflow/message states used in your customization, you may need to create your own task template with modified filters. For example, clients who are using a compliance/embargo-check interface and have messages pending in embargo check during the cutover weekend will need to run the task for messages in "Hold" status, where the interface will do as follows:

1. Create an outgoing SEPA message in "Hold" status
2. Send a copy of the message to the compliance-check system
3. Receive a positive reply from the compliance checker (pacs.002 message type variant)
4. Change the status of the outgoing SEPA message from "Hold" to "Ready to bundle". (In this step, the outgoing message is **not** recalculated).

If step **1** and **2** happen before the cutover weekend, and steps **3** and **4** after, the task must be run to recalculate the outgoing SEPA messages. Note that this will lead to sending a new copy to the compliance checker (as per step **2**).

Case 2

Bundles (files) that have been sent out before the release switch, for which you receive rejections after the release switch. That is, the following sequence of events occurs:

1. A bundle is sent out
2. New software version is installed
3. A reject is received and you need to rebundle

In this scenario, it won't be possible to use the discard and re-bundle action or task, and the bundle needs to be recreated from scratch. Since a rejection normally arrives quickly after the original bundle is sent out, this use case is considered rare and Avaloq proposes the manual workaround. Please note that this would happen at the time of software installation, not at SEPA 2023 go live.

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the release weekend together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the release weekend, support both versions in parallel as shown in the example code snippet below.

```
if netw_release.is_greater_or_eq1(code_netw_release.mx$sepa23) then
  use the new fields structures.
else
  use the old fields structures.
end if
```

Potentially affected sources:

- MX_IN_CSS (SCRIPT PACKAGE)
- MX_OUT_CSS (SCRIPT PACKAGE)

- MX_PACS003_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS002_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS002_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT056_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT056_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS007_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS007_TRX_OUT_CSS (SCRIPT PACKAGE)

Leading and trailing spaces are no longer allowed in the value of MndtId or OrgnlMndtId in pacs.003 SDD, pacs.002 SDD, pacs.004 SDD, pacs.007 SDD, or camt.056 SDD. While no modification has been made in kernel for this, Avaloq recommends that clients update their customization to enforce an order validation on any incoming payments that generate an outgoing pacs.003 and prevent these mandatory ID values from containing leading or trailing spaces.

7.3 Deutsche Bank Changes for March 2024



The migration date for this SEPA release was postponed from 19 November 2023 to 17 March 2024. Additionally, Deutsche Bank provided a grace period allowing migration after March 2024 at a time agreed between the bank and the clearer.

The following sections describe the changes that have been made to the SEPA Deutsche Bank implementation, in accordance with the latest SEPA Deutsche Bank specification for 2023.



For most of the impacted message types below, the existing message (bundle) structures have been modified to be compatible with both SEPA Release version 2023 and the previous version at the same time. The exception is mx.camt.029, where a new message structure and file type has been defined in order to align the camt.029 used for SCT recalls and the camt.029 used for inquiry resolutions.

7.3.1 SEPA Credit Transfer

Sources for the following message types have been modified.

pacs.008 SCT in/out

- MX.DB_SCF (MSG BDL STRUCT)
- MX.PACS008_TRX (MSG STRUCT)
- MX.PACS008_SCT_DB_GRP (MSG STRUCT)
- MX.PACS008_SCT_DB_TRX (MSG STRUCT)
- MX.PACS008_SCT_DB_TRX (MSG OUT)
- MX.PACS008_SCT_DB_TRX.IN (MSG IN)

- PACS008_SCT_TRX (DUPL CTRL)
- CODE_MSG_VALID.MX_PACS008_SCT_DB_TRX_IN (CODE TAB)

pacs.004 SCT in/out

- MX.PACS004_TRX (MSG STRUCT)
- MX.PACS004_SCT_DB_GRP (MSG STRUCT)
- MX.PACS004_SCT_DB_TRX (MSG STRUCT)
- MX.PACS004_SCT_DB_TRX (MSG OUT)
- MX.PACS004_SCT_DB_TRX.IN (MSG IN)
- MX_PACS004_TRX (DUPL CTRL)
- CODE_MSG_VALID.MX_PACS004_SCT_DB_TRX_IN (CODE TAB)

pacs.002 SCT in

- MX.PACS002_TRX (MSG STRUCT)
- MX.PACS002_OGRP (MSG STRUCT)
- MX.PACS002_SCTCL_DB_OGRP (MSG STRUCT)
- MX.PACS002_SCTCL_DB_TRX (MSG STRUCT)

camt.056 SCT in/out

- MX.CAMT056_ASGN (MSG STRUCT)
- MX.CAMT056_TRX (MSG STRUCT)
- MX.CAMT056_SCT_DB_ASGN (MSG STRUCT)
- MX.CAMT056_SCT_DB_TRX (MSG STRUCT)
- MX.CAMT056_SCT_DB_TRX (MSG OUT)
- MX.CAMT056_SCT_DB_TRX.IN (MSG IN)

camt.029 SCT in/out



This message type has been implemented using the new native XSD method and a new definition of the SCF file type.

- MX.CAMT.029.001.09.CT.XSD (XSD)
- MX.CAMT.029.001.09.SCT.DB.XSD (XSD)
- MX.DB_ICF (MSG BDL STRUCT)
- MX.DB_SCF_V09 (MSG BDL STRUCT)
- MX.DB_SCF_V09.IN (MSG BDL IN)
- MX.CAMT029N_V09_SCT_DB_TRX (MSG OUT)
- MX.CAMT029N_V09_SCT_DB_TRX.IN (MSG IN)
- MX_CAMT029N_CT_V09_ASSGNMT (DUPL CTRL)
- CODE_FILE_UPL_TYPE.PAY_INTF (CODE TAB)

- CODE_MSG_CHUNK_CONFIG.MX (CODE TAB)
- TASK_MSG.MX_DB_ICF_GEN (REP SCRIPT)

Deutsche Bank will continue to support the previous SEPA release (2022), in parallel with the new one, until mid-2024.

Cutover

There are some cases that require special attention during the cutover period agreed between the bank and the clearer.

Case 1

Messages that were:

- generated but not bundled yet before the release switch
- are bundled and sent out after the release switch

For this case, Avaloq delivered a task to regenerate messages that can be executed during the cutover period **after** the base parameter `avq_intf.mx.sepa_item_netw_release_id` has been switched to "sepa23_db_24".

Related sources:

- TASK_MSG.RECALC_MSG_OUT (REP SCRIPT)
- TASK_MSG.RECALC_MSG_OUT_RDY_BDL (TASK TEMPL)

Note that, depending on the workflow/message states used in your customization, you may need to create your own task template with modified filters. For example, clients who are using a compliance/embargo-check interface and have messages pending in embargo check during the cutover period will need to run the task for messages in "Hold" status, where the interface will do as follows:

1. Create an outgoing SEPA message in "Hold" status
2. Send a copy of the message to the compliance-check system
3. Receive a positive reply from the compliance checker (pacs.002 message type variant)
4. Change the status of the outgoing SEPA message from "Hold" to "Ready to bundle". (In this step, the outgoing message is **not** recalculated).

If step **1** and **2** happen before the cutover period, and steps **3** and **4** after, the task must be run to recalculate the outgoing SEPA messages. Note that this will lead to sending a new copy to the compliance checker (as per step **2**).

Case 2

Single messages without bundling that are attached to the payment or settlement order and were:

- generated before the release switch with a `send_date_plan` after the release cutover, e.g. payments with a future value date
- sent out after the release switch

Note that if the message is attached to a settlement order, the task executes the workflow action with `intl_id settle#calc_store` and the recalculation of the message only works if this action contains at least the `(calc) (store) (commit)` commands.

If this workflow action doesn't exist in your customization, you either need to create a new generic workflow action with `intl_id settle#calc_store` or, if this `intl_id` is already in use, you can create a copy of `TASK_MSG.RECALC_MSG_OUT (REP SCRIPT)` in your customization calling another existing or newly added generic workflow action that contains the workflow commands mentioned above.

On MDB it has been implemented by adding the following generic action in `SETTLE.WFC (BUSINESS TYPE CONFIG)` starting from `WFC-status -1`:

```

mdb#.add_wfc_action(      -8, 'Settlement generic calc and store', null, null
, i_intl_id              => 'settle#calc_store'
, i_stmt                 => '(calc) (wfc_rule(settle_store))'
);

```

Case 3

Bundles (files) that have been sent out before the release switch, for which you receive rejections after the release switch. That is, the following sequence of events occurs:

1. A bundle is sent out
2. New software version is installed
3. A reject is received and you need to rebundle

In this scenario, it won't be possible to use the discard and re-bundle action or task, and the bundle needs to be recreated from scratch. Since a rejection normally arrives quickly after the original bundle is sent out, this use case is considered rare and Avaloq proposes the manual workaround. Please note that this would happen at the time of software installation, not at SEPA 2023 go live.

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the agreed switchover period together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the agreed switchover period, support both versions in parallel as shown in the example code snippet below.

```

if netw_release.is_greater_or_eq(code_netw_release.sepa23_db_24) then
  use the new fields structures.
else
  use the old fields structures.
end if

```

Potentially affected sources:

- `MX_PACS008_TRX_IN_CSS (SCRIPT PACKAGE)`
- `MX_PACS008_TRX_OUT_CSS (SCRIPT PACKAGE)`
- `MX_PACS004_TRX_IN_CSS (SCRIPT PACKAGE)`
- `MX_PACS004_TRX_OUT_CSS (SCRIPT PACKAGE)`

- CODE_FILE_UPL_TYPE_CONFIG.MDB\$PAY_INTF (CODE TAB)
 - Add row for file_upl_type_id "mx_db_scf_v09"
- CODE_SETTLE_PLAN (CODE TAB)
 - Add rows for new msg type meta_msg_spec_id "mx_camt029n_v09_sct_db_trx"

Rows added on MDB:

row mdb\$sct_db_camt_029_v09	
user_id	"SCT.DB.CAMT.029.V09"
name	"SCT CAMT.029 DB V09 - SEPA Credit Transfer
Cancellation Reject"	
meta_tpy_id	pay
bu_id	"bu.de.main"

- CODE_SETTLE_PLAN_MSG (CODE TAB)
 - Add rows for new msg type meta_msg_spec_id "mx_camt029n_v09_sct_db_trx"

Rows added on MDB:

row mdb\$sct_db_camt_029_v09	
user_id	"SCT.DB.CAMT.029_V09"
settle_plan_id	"mdb\$sct_db_camt_029_v09"
seq_nr	"1"
meta_msg_spec_id	"mx_camt029n_v09_sct_db_trx"
msg_kind_id	"origin_instr"
order_type_id	"settle_pmo"
book_af_cmtid_1_id	"book_cash_out"
src_chain_af_cmtid_id	"src_prty_cash_out"
dest_chain_af_cmtid_id	"dest_prty_cash_out"

- MX_CAMT029N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT029N_TRX_OUT_CSS (SCRIPT PACKAGE)

7.3.2 SEPA Credit Transfer Inquiry

Sources for the following message types have been modified.

camt.027 SCT in/out

- MX.CAMT.027.001.07.SCT.DB.XSD (XSD)
- MX.CAMT027N_V07_CT_COVER_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_SPLMTRY_DATA (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_DB_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_DB_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_DB_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_DB_TRX (MSG STRUCT): New structure for the new release.

- MX_CAMT027N_V07_CT_ASSGNMT (DUPL CTRL): New duplicate control
- CTX_ACTION_INQ (SCRIPT PACKAGE): Release-dependent control to specify which structure to be used (old or new), because the outgoing message is the same on both versions.

camt.087 SCT in/out

- MX.CAMT.087.001.06.SCT.BBK.XSD (XSD)
- MX.CAMT087N_V06_CT_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_MOD (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_SPLMTRY_DATA (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_DB_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_DB_MOD (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_DB_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_DB_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_DB_TRX (MSG STRUCT): New structure for the new release.
- MX_CAMT087N_V06_CT_ASSGNMT (DUPL CTRL): New duplicate control
- CTX_ACTION_INQ (SCRIPT PACKAGE): Release-dependent control to specify which structure to be used (old or new), because the outgoing message is the same on both versions.

pacs.028 SCT in/out

- MX.PACS.028.001.03.SCT.BBK.XSD (XSD)
- MX.PACS028N_V03_CT_GRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_CT_OGRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_CT_SPLMTRY_DATA (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_CT_TRX (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_SCT_DB_GRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_SCT_DB_OGRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_SCT_DB_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_DB_MOD_DTLS.IN (MSG IN): New outgoing message for the new release.
- MX_PACS028N_V03_CT_GRP (DUPL CTRL): New duplicate control
- CTX_ACTION_INQ (SCRIPT PACKAGE): Release-dependent control to specify which structure to be used (old or new), because the outgoing message is the same on both versions.

camt.029 SCT Inq in/out

- MX.CAMT.029.001.09.SCT.BBK.XSD (XSD)
- MX.CAMT029N_V09_CT_ASSGNMT (MSG STRUCT): New structure for the new release.

- MX.CAMT029N_V09_CT_CLM_NON_RCT_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_MOD_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_RSLTN_RLTD_INF (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_RSLVD_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_STS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_DB_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_DB_CLM_NON_RCT_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_DB_MOD_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_DB_RSLTN_RLTD_INF (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_DB_RSLVD_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_DB_STS (MSG STRUCT): New structure for the new release.
- MX.PACS028N_SCT_B_TRX (MSG OUT): Copy adaptation depending on the version.
- MX_CAMT029N_CT_V09_ASSGNMT (DUPL CTRL): New duplicate control

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the agreed switchover period together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the agreed switchover period, support both versions in parallel as shown in the example code snippet below.

```
if netw_release.is_greater_or_eq(code_netw_release.sepa23_db_24) then
    use the new fields structures.
else
    use the old fields structures.
end if
```

Potentially affected sources:

- MX_IN_CSS (SCRIPT PACKAGE)
- MX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT027N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT027N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT087N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT087N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS028N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS028N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT029N_INQ_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT029N_INQ_OUT_CSS (SCRIPT PACKAGE)

For camt.027, camt.087 and pacs.028, modifications may be required wherever messages are generated with a send_msg command, so that they use same logic as CTX_ACTION_INQ (SCRIPT PACKAGE) to determine the version that will be used.

7.3.3 SDS (Sensitive Data Separation)

For newly added fields in the various messages (mainly related to structured addresses) the corresponding entries in CODE_SDS_MSG_FLD.% (CODE TAB) have been added in kernel as inactive, and must be activated or deactivated in the client's customization as desired. For modified, new or removed fields, both the 2022 and 2023 versions are supported in parallel.

Modified sources:

- CODE_SDS_MSG_FLD.MX_CAMT056_SCT_DB_TRX (CODE TAB)
- CODE_SDS_MSG_FLD.MX_PACS004_SCT_DB_TRX (CODE TAB)
- CODE_SDS_MSG_FLD.MX_PACS008_SCT_KBC_TRX (CODE TAB)
- CODE_SDS_MSG_FLD.MX_CAMT029N_V09_SCT_DB_TRX (CODE TAB)

7.4 EBA Step2 Changes for March 2024



The migration date for this SEPA release was postponed from 19 November 2023 to 17 March 2024.

The following sections describe the changes that have been made to the SEPA EBA Step2 implementation, in accordance with the latest SEPA EBA Step2 specification for 2023.



For most of the impacted message types below, the existing message (bundle) structures have been modified to be compatible with both SEPA Release version 2023 and the previous version at the same time. The exception is mx.camt.029, where a new message structure and file type has been defined in order to align the camt.029 used for SCT recalls and the camt.029 used for inquiry resolutions.

7.4.1 SEPA Credit Transfer

Sources for the following message types have been modified.

pacs.008 SCT in/out

- MX.ES2_SCF (MSG BDL STRUCT)
- MX.PACS008_TRX (MSG STRUCT)
- MX.PACS008_SCT_ES2_GRP (MSG STRUCT)
- MX.PACS008_SCT_ES2_TRX (MSG STRUCT)
- MX.PACS008_SCT_ES2_TRX (MSG OUT)
- MX.PACS008_SCT_ES2_TRX.IN (MSG IN)
- PACS008_SCT_TRX (DUPL CTRL)
- CODE_MSG_VALID.MX_PACS008_SCT_ES2_TRX_IN (CODE TAB)

pacs.004 SCT in/out

- MX.PACS004_TRX (MSG STRUCT)
- MX.PACS004_SCT_ES2_GRP (MSG STRUCT)
- MX.PACS004_SCT_ES2_TRX (MSG STRUCT)
- MX.PACS004_SCT_ES2_TRX (MSG OUT)
- MX.PACS004_SCT_ES2_TRX.IN (MSG IN)
- MX_PACS004_TRX (DUPL CTRL)
- CODE_MSG_VALID.MX_PACS004_SCT_ES2_TRX_IN (CODE TAB)

pacs.002 SCT in

- MX.PACS002_TRX (MSG STRUCT)
- MX.PACS002_OGRP (MSG STRUCT)
- MX.PACS002_SCTCL_ES2_OGRP (MSG STRUCT)
- MX.PACS002_SCTCL_ES2_TRX (MSG STRUCT)

camt.056 SCT in/out

- MX.CAMT056_ASGN (MSG STRUCT)
- MX.CAMT056_TRX (MSG STRUCT)
- MX.CAMT056_SCT_ES2_ASGN (MSG STRUCT)
- MX.CAMT056_SCT_ES2_TRX (MSG STRUCT)
- MX.CAMT056_SCT_ES2_TRX (MSG OUT)
- MX.CAMT056_SCT_ES2_TRX.IN (MSG IN)

camt.029 SCT in/out



This message type has been implemented using the new native XSD method and a new definition of the SCF file type.

- MX.CAMT.029.001.09.CT.XSD (XSD)
- MX.CAMT.029.001.09.SCT.ES2.XSD (XSD)
- MX.ES2_ICF (MSG BDL STRUCT)
- MX.ES2_SCF_V09 (MSG BDL STRUCT)
- MX.ES2_SCF_V09.IN (MSG BDL IN)
- MX.CAMT029N_V09_SCT_ES2_TRX (MSG OUT)
- MX.CAMT029N_V09_SCT_ES2_TRX.IN (MSG IN)
- MX_CAMT029N_CT_V09_ASSGNMT (DUPL CTRL)
- CODE_FILE_UPL_TYPE.PAY_INTF (CODE TAB)
- CODE_MSG_CHUNK_CONFIG.MX (CODE TAB)
- TASK_MSG.MX_ES2_ICF_GEN (REP SCRIPT)

Cutover

There are some cases that require special attention during the cutover period 17th-18th March 2024.

Case 1

Messages that were:

- generated but not bundled yet before the release switch
- are bundled and sent out after the release switch

For this case, Avaloq delivered a task to regenerate messages that can be executed during the cutover weekend **after** the base parameter `avq.intf.mx.sepa item netw_release_id` has been switched to "mx\$sepa23".

Related sources:

- TASK_MSG.RECALC_MSG_OUT (REP SCRIPT)
- TASK_MSG.RECALC_MSG_OUT_RDY_BDL (TASK TEMPL)

Note that, depending on the workflow/message states used in your customization, you may need to create your own task template with modified filters. For example, clients who are using a compliance/embargo-check interface and have messages pending in embargo check during the cutover weekend will need to run the task for messages in "Hold" status, where the interface will do as follows:

1. Create an outgoing SEPA message in "Hold" status
2. Send a copy of the message to the compliance-check system
3. Receive a positive reply from the compliance checker (pacs.002 message type variant)
4. Change the status of the outgoing SEPA message from "Hold" to "Ready to bundle". (In this step, the outgoing message is **not** recalculated).

If step 1 and 2 happen before the cutover weekend, and steps 3 and 4 after, the task must be run to recalculate the outgoing SEPA messages. Note that this will lead to sending a new copy to the compliance checker (as per step 2).

Case 2

Single messages without bundling that are attached to the payment or settlement order and were:

- generated before the release switch with a `send_date_plan` after the release cutover, e.g. payments with a future value date
- sent out after the release switch

Note that if the message is attached to a settlement order, the task executes the workflow action with `intl_id settle#calc_store` and the recalculation of the message only works if this action contains at least the `(calc) (store) (commit)` commands.

If this workflow action doesn't exist in your customization, you either need to create a new generic workflow action with `intl_id settle#calc_store` or, if this `intl_id` is already in use, you can create a copy of TASK_MSG.RECALC_MSG_OUT (REP SCRIPT) in your customization calling another existing or newly added generic workflow action that contains the workflow commands mentioned above.

On MDB it has been implemented by adding the following generic action in SETTLE.WFC (BUSINESS TYPE CONFIG) starting from WFC-status -1:

```
mdb#.add_wfc_action(      -8, 'Settlement generic calc and store', null, null
, i_intl_id              => 'settle#calc_store')
```

```
,i_stmt => '(calc) (wfc_rule(settle_store))'
);
```

Case 3

Bundles (files) that have been sent out before the release switch, for which you receive rejections after the release switch. That is, the following sequence of events occurs:

1. A bundle is sent out
2. New software version is installed
3. A reject is received and you need to rebundle

In this scenario, it won't be possible to use the discard and re-bundle action or task, and the bundle needs to be recreated from scratch. Since a rejection normally arrives quickly after the original bundle is sent out, this use case is considered rare and Avaloq proposes the manual workaround. Please note that this would happen at the time of software installation, not at SEPA 2023 go live.

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the release weekend together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the release weekend, support both versions in parallel as shown in the example code snippet below.

```
[script 1.0]

extension script package mx_pacs008_trx_out_css
is

    import                netw_release;

[...]
```

```
procedure doc#fill_extn(
    i_pay                mem_doc_pay
    ,i_msg                mem_msg_mx_pacs008_trx
)
is
begin
    -- dbtr_agt => always current BU
    if netw_release.is_greater_or_eq1(code_netw_release.mx$sepa23) then
        i_msg.dbtr_agt.fin_instn_id.bicfi.val_text := rpad(obj_bp(session.bu_id).extn.bp_swift_val,
11, 'X');
    else
        i_msg.dbtr_agt.fin_instn_id.bic.val_text := rpad(obj_bp(session.bu_id).extn.bp_swift_val,
11, 'X');
    end if;
exception
when others then
    err.raise_fa(
        'fill_extn'
        , 'pay' , i_pay.doc_id
        , 'new_netw_release_id' , i_msg.head.msg_id
    );
end doc#fill_extn;
```

Potentially affected sources:

- MX_PACS008_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS008_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_OUT_CSS (SCRIPT PACKAGE)
- CODE_FILE_UPL_TYPE_CONFIG.MDB\$PAY_INTF (CODE TAB)
 - Add row for file_upl_type_id "mx_es2_scf_v09"
- CODE_SETTLE_PLAN (CODE TAB)
 - Add rows for new msg type meta_msg_spec_id "mx_camt029n_v09_sct_es2_trx"

Rows added on MDB:

row mdb\$sct_es2_camt_029_v09	
user_id	"SCT.ES2.CAMT.029.V09"
name	"SCT CAMT.029 ES2 V09 - SEPA Credit Transfer
Cancellation Reject"	
meta_typ_id	"pay"
bu_id	

- CODE_SETTLE_PLAN_MSG (CODE TAB)
 - Add rows for new msg type meta_msg_spec_id "mx_camt029n_v09_sct_es2_trx"

Rows added on MDB:

row mdb\$sct_es2_camt_029_v09_1	
user_id	"SCT.ES2.CAMT.029_V09_1"
settle_plan_id	"mdb\$sct_es2_camt_029_v09"
seq_nr	"1"
meta_msg_spec_id	"mx_camt029n_v09_sct_es2_trx"

- MX_CAMT029N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT029N_TRX_OUT_CSS (SCRIPT PACKAGE)

7.4.2 SEPA Credit Transfer Inquiry

Sources for the following message types have been modified.

camt.027 SCT in/out

- MX.CAMT.027.001.07.SCT.ES2.XSD (XSD)
- MX.CAMT027N_V07_CT_COVER_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_SPLMTRY_DATA (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_ES2_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_ES2_CASE (MSG STRUCT): New structure for the new release.

- MX.CAMT027N_V07_SCT_ES2_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_ES2_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_SCT_ES2_TRX (MSG OUT): Copy adaptation depending on the version.
- MX_CAMT027N_V07_CT_ASSGNMT (DUPL CTRL): New duplicate control
- CTX_ACTION_INQ (SCRIPT PACKAGE): Release-dependent control to specify which structure to be used (old or new), because the outgoing message is the same on both versions.

camt.087 SCT in/out

- MX.CAMT.087.001.06.SCT.ES2.XSD (XSD)
- MX.CAMT087N_V06_CT_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_MOD (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_SPLMTRY_DATA (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_ES2_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_ES2_MOD (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_ES2_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_ES2_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_ES2_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_SCT_ES2_TRX (MSG OUT): Copy adaptation depending on the version.
- MX_CAMT087N_V06_CT_ASSGNMT (DUPL CTRL): New duplicate control
- CTX_ACTION_INQ (SCRIPT PACKAGE): Release-dependent control to specify which structure to be used (old or new), because the outgoing message is the same on both versions.

pacs.028 SCT in/out

- MX.PACS.028.001.03.SCT.ES2.XSD (XSD)
- MX.PACS028N_V03_CT_GRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_CT_OGRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_CT_SPLMTRY_DATA (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_CT_TRX (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_SCT_ES2_GRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_SCT_ES2_OGRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_SCT_ES2_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_ES2_MOD_DTLS.IN (MSG IN): New outgoing message for the new release.
- MX.CAMT029N_V09_SCT_ES2_MOD_DTLS (MSG OUT): New outgoing message for the new release.
- MX_PACS028N_V03_CT_GRP (DUPL CTRL): New duplicate control

- CTX_ACTION_INQ (SCRIPT PACKAGE): Release-dependent control to specify which structure to be used (old or new), because the outgoing message is the same on both versions.

camt.029 SCT Inq in/out

- MX.CAMT.029.001.09.SCT.ES2.XSD (XSD)
- MX.CAMT029N_V09_CT_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_CLM_NON_RCT_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_MOD_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_RSLTN_RLTD_INF (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_RSLVD_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_STS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_ES2_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_ES2_CLM_NON_RCT_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_ES2_MOD_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_ES2_RSLTN_RLTD_INF (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_ES2_RSLVD_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_ES2_STS (MSG STRUCT): New structure for the new release.
- MX.PACS028N_SCT_ES2_TRX (MSG OUT): Copy adaptation depending on the version.
- MX_CAMT029N_CT_V09_ASSGNMT (DUPL CTRL): New duplicate control

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the release weekend together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the release weekend, support both versions in parallel as shown in the example code snippet below.

```
if netw_release.is_greater_or_eq1(code_netw_release.mx$sepa23) then
    use the new fields structures.
else
    use the old fields structures.
end if
```

Potentially affected sources:

- MX_IN_CSS (SCRIPT PACKAGE)
- MX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT027N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT027N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT087N_TRX_IN_CSS (SCRIPT PACKAGE)

- MX_CAMT087N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS028N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS028N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT029N_INQ_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT029N_INQ_OUT_CSS (SCRIPT PACKAGE)

For camt.027, camt.087 and pacs.028, modifications may be required wherever messages are generated with a send_msg command, so that they use same logic as CTX_ACTION_INQ (SCRIPT PACKAGE) to determine the version that will be used.

7.4.3 SEPA Direct Debit



For all of the impacted message types below, the existing message (bundle) structures have been modified to be compatible with both SEPA Release version 2023 and the previous version at the same time.

Sources for the following message types have been modified.

pacs.003 SDD in/out

- MX.PACS003_TRX (MSG STRUCT): Modification of the new structures tags (Agt, BICFI, AnyBIC, LEI).
- MX.PACS003_SDD_ES2_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS003_SDD_ES2_TRX (MSG STRUCT): Modification of the new structures tags (Agt, BICFI, AnyBIC, LEI).
- MX.PACS003_SDD_ES2_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

pacs.004 SDD in/out

- MX.PACS004_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS004_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS004_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS004_SDD_ES2_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS004_SDD_ES2_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS004_SDD_ES2_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.
- MX_PACS004_TRX (DUPL CTRL): Modification of the new structures tags (BICFI).

pacs.002 SDD in/out

- MX.PACS002_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS002_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS002_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS002_SDD_ES2_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).

- MX.PACS002_SDD_ES2_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS002_SDD_ES2_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS002_SDD_ES2_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

camt.056 SDD in/out

- MX.CAMT056_ASGN (MSG STRUCT): Modification of the new structures tags (BICFI, AnyBIC).
- MX.CAMT056_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.CAMT056_SDD_ES2_ASGN (MSG STRUCT): Modification of the new structures tags (BICFI, AnyBIC).
- MX.CAMT056_SDD_ES2_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.CAMT056_SDD_ES2_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

pacs.007 SDD in/out

- MX.PACS007_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS007_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS007_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS007_SDD_ES2_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS007_SDD_ES2_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS007_SDD_ES2_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

Cutover

There are some cases that require special attention during the cutover period 17th-18th March 2024.

Case 1

Messages that were:

- generated but not bundled yet before the release switch
- are bundled and sent out after the release switch

For this case, Avaloq delivered a task to regenerate messages that can be executed during the cutover weekend **after** the base parameter `avq.intf.mx.sepa item netw_release_id` has been switched to "mx\$sepa23".

Related sources:

- TASK_MSG.RECALC_MSG_OUT (REP SCRIPT)
- TASK_MSG.RECALC_MSG_OUT_RDY_BDL (TASK TEMPL)

Note that, depending on the workflow/message states used in your customization, you may need to create your own task template with modified filters. For example, clients who are using a compliance/embargo-check interface and have messages pending in embargo check during the cutover weekend will need to run the task for messages in "Hold" status, where the interface will do as follows:

1. Create an outgoing SEPA message in "Hold" status
2. Send a copy of the message to the compliance-check system
3. Receive a positive reply from the compliance checker (pacs.002 message type variant)
4. Change the status of the outgoing SEPA message from "Hold" to "Ready to bundle". (In this step, the outgoing message is **not** recalculated).

If step 1 and 2 happen before the cutover weekend, and steps 3 and 4 after, the task must be run to recalculate the outgoing SEPA messages. Note that this will lead to sending a new copy to the compliance checker (as per step 2).

Case 2

Bundles (files) that have been sent out before the release switch, for which you receive rejections after the release switch. That is, the following sequence of events occurs:

1. A bundle is sent out
2. New software version is installed
3. A reject is received and you need to rebundle

In this scenario, it won't be possible to use the discard and re-bundle action or task, and the bundle needs to be recreated from scratch. Since a rejection normally arrives quickly after the original bundle is sent out, this use case is considered rare and Avaloq proposes the manual workaround. Please note that this would happen at the time of software installation, not at SEPA 2023 go live.

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the release weekend together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the release weekend, support both versions in parallel as shown in the example code snippet below.

```
if netw_release.is_greater_or_eq(code_netw_release.mx$sepa23) then
    use the new fields structures.
else
    use the old fields structures.
end if
```

Potentially affected sources:

- MX_IN_CSS (SCRIPT PACKAGE)
- MX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS003_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_IN_CSS (SCRIPT PACKAGE)

- MX_PACS004_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS002_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS002_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT056_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT056_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS007_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS007_TRX_OUT_CSS (SCRIPT PACKAGE)

Leading and trailing spaces are no longer allowed in the value of MndtId or OrgnlMndtId in pacs.003 SDD, pacs.002 SDD, pacs.004 SDD, pacs.007 SDD, or camt.056 SDD. While no modification has been made in kernel for this, Avaloq recommends that clients update their customization to enforce an order validation on any incoming payments that generate an outgoing pacs.003 and prevent these mandatory ID values from containing leading or trailing spaces.

7.5 Natixis Changes for March 2024



The migration date for this SEPA release was postponed from 19 November 2023 to 17 March 2024.

The following sections describe the changes that have been made to the SEPA Natixis implementation, in accordance with the latest SEPA Natixis specification for 2023.



For most of the impacted message types below, the existing message (bundle) structures have been modified to be compatible with both SEPA Release version 2023 and the previous version at the same time. The exception is mx.camt.029, where a new message structure and file type has been defined in order to align the camt.029 used for SCT recalls and the camt.029 used for inquiry resolutions, and the new bundle definition for SEPA Direct Debit.

7.5.1 SEPA Credit Transfer

Sources for the following message types have been modified.

pacs.007 SCT in/out

- MX.PACS007_TRX (MSG STRUCT)
- MX.PACS007_SCT_NTX_TRX (MSG STRUCT)
- MX.PACS007_SCT_NTX_GRP (MSG STRUCT)
- MX.PACS007_SCT_NTX_OGRP (MSG STRUCT)

pacs.008 SCT in/out

- MX.NTX_SCF (MSG BDL STRUCT)
- MX.PACS008_TRX (MSG STRUCT)
- MX.PACS008_SCT_NTX_GRP (MSG STRUCT)
- MX.PACS008_SCT_NTX_TRX (MSG STRUCT)
- MX.PACS008_SCT_NTX_TRX (MSG OUT)

- MX.PACS008_SCT_NTX_TRX.IN (MSG IN)
- PACS008_SCT_TRX (DUPL CTRL)
- CODE_MSG_VALID.MX_PACS008_SCT_NTX_TRX_IN (CODE TAB)

pacs.004 SCT in/out

- MX.PACS004_TRX (MSG STRUCT)
- MX.PACS004_SCT_NTX_GRP (MSG STRUCT)
- MX.PACS004_SCT_NTX_TRX (MSG STRUCT)
- MX.PACS004_SCT_NTX_TRX (MSG OUT)
- MX.PACS004_SCT_NTX_TRX.IN (MSG IN)
- MX_PACS004_TRX (DUPL CTRL)
- CODE_MSG_VALID.MX_PACS004_SCT_NTX_TRX_IN (CODE TAB)

pacs.002 SCT in

- MX.PACS002_TRX (MSG STRUCT)
- MX.PACS002_OGRP (MSG STRUCT)
- MX.PACS002_SCTCL_NTX_OGRP (MSG STRUCT)
- MX.PACS002_SCTCL_NTX_TRX (MSG STRUCT)

camt.056 SCT in/out

- MX.CAMT056_ASGN (MSG STRUCT)
- MX.CAMT056_TRX (MSG STRUCT)
- MX.CAMT056_SCT_NTX_ASGN (MSG STRUCT)
- MX.CAMT056_SCT_NTX_TRX (MSG STRUCT)
- MX.CAMT056_SCT_NTX_TRX (MSG OUT)
- MX.CAMT056_SCT_NTX_TRX.IN (MSG IN)

camt.029 SCT in/out



This message type has been implemented using the new native XSD method and a new definition of the SCF file type.

- MX.CAMT.029.001.09.CT.XSD (XSD)
- MX.CAMT.029.001.09.SCT.NTX.XSD (XSD)
- MX.NTX_ICF (MSG BDL STRUCT)
- MX.NTX_SCF_V09 (MSG BDL STRUCT)
- MX.NTX_SCF_V09.IN (MSG BDL IN)
- MX.CAMT029N_V09_SCT_NTX_TRX (MSG OUT)
- MX.CAMT029N_V09_SCT_NTX_TRX.IN (MSG IN)
- MX_CAMT029N_CT_V09_ASSGNMT (DUPL CTRL)
- CODE_FILE_UPL_TYPE.PAY_INTF (CODE TAB)

- CODE_MSG_CHUNK_CONFIG.MX (CODE TAB)
- TASK_MSG.MX_NTX_ICF_GEN (REP SCRIPT)

Cutover

There are some cases that require special attention during the cutover period 17th-18th March 2024.

Case 1

Messages that were:

- generated but not bundled yet before the release switch
- are bundled and sent out after the release switch

For this case, Avaloq delivered a task to regenerate messages that can be executed during the cutover weekend **after** the base parameter `avq.intf.mx.sepa item netw_release_id` has been switched to "mx\$sepa23".

Related sources:

- TASK_MSG.RECALC_MSG_OUT (REP SCRIPT)
- TASK_MSG.RECALC_MSG_OUT_RDY_BDL (TASK TEMPL)

Note that, depending on the workflow/message states used in your customization, you may need to create your own task template with modified filters. For example, clients who are using a compliance/embargo-check interface and have messages pending in embargo check during the cutover weekend will need to run the task for messages in "Hold" status, where the interface will do as follows:

1. Create an outgoing SEPA message in "Hold" status
2. Send a copy of the message to the compliance-check system
3. Receive a positive reply from the compliance checker (pacs.002 message type variant)
4. Change the status of the outgoing SEPA message from "Hold" to "Ready to bundle". (In this step, the outgoing message is **not** recalculated).

If step **1** and **2** happen before the cutover weekend, and steps **3** and **4** after, the task must be run to recalculate the outgoing SEPA messages. Note that this will lead to sending a new copy to the compliance checker (as per step **2**).

Case 2

Single messages without bundling that are attached to the payment or settlement order and were:

- generated before the release switch with a `send_date_plan` after the release cutover, e.g. payments with a future value date
- sent out after the release switch

Note that if the message is attached to a settlement order, the task executes the workflow action with `intl_id settle#calc_store` and the recalculation of the message only works if this action contains at least the `(calc) (store) (commit)` commands.

If this workflow action doesn't exist in your customization, you either need to create a new generic workflow action with `intl_id settle#calc_store` or, if this `intl_id` is already in use, you can create a copy of TASK_

MSG.RECALC_MSG_OUT (REP SCRIPT) in your customization calling another existing or newly added generic workflow action that contains the workflow commands mentioned above.

On MDB it has been implemented by adding the following generic action in SETTLE.WFC (BUSINESS TYPE CONFIG) starting from WFC-status -1:

```

mdb#.add_wfc_action(      -8, 'Settlement generic calc and store', null, null
, i_intl_id              => 'settle#calc_store'
, i_stmt                 => '(calc) (wfc_rule(settle_store))'
);

```

Case 3

Bundles (files) that have been sent out before the release switch, for which you receive rejections after the release switch. That is, the following sequence of events occurs:

1. A bundle is sent out
2. New software version is installed
3. A reject is received and you need to rebundle

In this scenario, it won't be possible to use the discard and re-bundle action or task, and the bundle needs to be recreated from scratch. Since a rejection normally arrives quickly after the original bundle is sent out, this use case is considered rare and Avaloq proposes the manual workaround. Please note that this would happen at the time of software installation, not at SEPA 2023 go live.

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the release weekend together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the release weekend, support both versions in parallel as shown in the example code snippet below.

```

[script 1.0]

extension script package mx_pacs008_trx_out_css
is

    import          netw_release;

[...]
```

```

procedure doc#fill_extn(
    i_pay              mem_doc_pay
    , i_msg             mem_msg_mx_pacs008_trx
)
is
begin
    -- dbtr_agt => always current BU
    if netw_release.is_greater_or_eq1(code_netw_release.mx$sepa23) then
        i_msg.dbtr_agt.fin_instn_id.bicfi.val_text := rpad(obj_bp(session.bu_id).extn.bp_swift_val,
11, 'X');
    else
        i_msg.dbtr_agt.fin_instn_id.bic.val_text := rpad(obj_bp(session.bu_id).extn.bp_swift_val,
11, 'X');
    end if;
end if;

```



```

exception
when others then
err.raise_fa(
    'fill_extn'
    , 'pay' , i_pay.doc_id
    , 'new_netw_release_id' , i_msg.head.msg_id
);
end doc#fill_extn;

```

Potentially affected sources:

- MX_PACS008_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS008_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_OUT_CSS (SCRIPT PACKAGE)
- CODE_FILE_UPL_TYPE_CONFIG.MDB\$PAY_INTF (CODE TAB)
 - Add row for file_upl_type_id "mx_ntx_scf_v09"
- CODE_SETTLE_PLAN (CODE TAB)
 - Add rows for new msg type meta_msg_spec_id "mx_camt029n_v09_sct_ntx_trx"

Rows added on MDB:

row mdb\$sct_ntx_camt_029_v09	
user_id	"SCT.NTX.CAMT.029.V09"
name	"SCT CAMT.029 NTX V09 - SEPA Credit Transfer
Cancellation Reject"	
meta_typ_id	"pay"
bu_id	

- CODE_SETTLE_PLAN_MSG (CODE TAB)
 - Add rows for new msg type meta_msg_spec_id "mx_camt029n_v09_sct_ntx_trx"

Rows added on MDB:

row mdb\$sct_ntx_camt_029_v09_1	
user_id	"SCT.NTX.CAMT.029_V09_1"
settle_plan_id	"mdb\$sct_ntx_camt_029_v09"
seq_nr	"1"
meta_msg_spec_id	"mx_camt029n_v09_sct_ntx_trx"

- MX_CAMT029N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT029N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS007_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS007_TRX_OUT_CSS (SCRIPT PACKAGE)
- And any other customization source that accesses some of the changed/added/deleted fields on mem_msg_mx_pacs007_trx or mem_msg_mx_pacs007_sct_ntx%

7.5.2 SEPA Credit Transfer Inquiry

Sources for the following message types have been modified.

Bundle

- MX.NTX_ISO20022 (MSG BDL STRUCT)
- MX.NTX_ISO20022.IN (MSG BDL IN)
- MX.NTX_ISO20022.OUT (MSG BDL OUT)
- MX.NTX_ISO20022_PYLD_DESC (MSG STRUCT)
- MX_NTX_ISO20022_GEN_CSS (SCRIPT PACKAGE)
- MX_NTX_ISO20022_OUT_CSS (SCRIPT PACKAGE)
- TASK_MSG.MX_NTX_ISO20022_GEN (REP DTM)
- TASK_MSG.MX_NTX_ISO20022_GEN (REP SCRIPT)

camt.027 SCT in/out

- MX.CAMT.027.001.07.SCT.NTX.XSD (XSD)
- MX.CAMT027N_V07_CT_COVER_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_SPLMTRY_DATA (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_CT_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_NTX_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_NTX_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_NTX_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_NTX_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_SCT_NTX_TRX (MSG OUT): Copy adaptation depending on the version.
- MX_CAMT027N_V07_CT_ASSGNMT (DUPL CTRL): New duplicate control
- CTX_ACTION_INQ (SCRIPT PACKAGE): Release-dependent control to specify which structure to be used (old or new), because the outgoing message is the same on both versions.

camt.087 SCT in/out

- MX.CAMT.087.001.06.SCT.NTX.XSD (XSD)
- MX.CAMT087N_V06_CT_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_MOD (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_SPLMTRY_DATA (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_NTX_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_NTX_MOD (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_NTX_ASSGNMT (MSG STRUCT): New structure for the new release.

- MX.CAMT087N_V06_SCT_NTX_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_NTX_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_SCT_NTX_TRX (MSG OUT): Copy adaptation depending on the version.
- MX_CAMT087N_V06_CT_ASSGNMT (DUPL CTRL): New duplicate control
- CTX_ACTION_INQ (SCRIPT PACKAGE): Release-dependent control to specify which structure to be used (old or new), because the outgoing message is the same on both versions.

pacs.028 SCT in/out

- MX.PACS.028.001.03.SCT.NTX.XSD (XSD)
- MX.PACS028N_V03_CT_GRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_CT_OGRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_CT_SPLMTRY_DATA (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_CT_TRX (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_SCT_NTX_GRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_SCT_NTX_OGRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_SCT_NTX_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_NTX_MOD_DTLS.IN (MSG IN): New outgoing message for the new release.
- MX.CAMT029N_V09_SCT_NTX_MOD_DTLS (MSG OUT): New outgoing message for the new release.
- MX_PACS028N_V03_CT_GRP (DUPL CTRL): New duplicate control
- CTX_ACTION_INQ (SCRIPT PACKAGE): Release-dependent control to specify which structure to be used (old or new), because the outgoing message is the same on both versions.

camt.029 SCT Inq in/out

- MX.CAMT.029.001.09.SCT.NTX.XSD (XSD)
- MX.CAMT029N_V09_CT_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_CLM_NON_RCT_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_MOD_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_RSLTN_RLTD_INF (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_RSLVD_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_STS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_NTX_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_NTX_CLM_NON_RCT_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_NTX_MOD_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_NTX_RSLTN_RLTD_INF (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_NTX_RSLVD_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_NTX_STS (MSG STRUCT): New structure for the new release.

- MX.PACS028N_SCT_NTX_TRX (MSG OUT): Copy adaptation depending on the version.
- MX_CAMT029N_CT_V09_ASSGNMT (DUPL CTRL): New duplicate control

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the release weekend together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the release weekend, support both versions in parallel as shown in the example code snippet below.

```
if netw_release.is_greater_or_eq1(code_netw_release.mx$sepa23) then
    use the new fields structures.
else
    use the old fields structures.
end if
```

Potentially affected sources:

- MX_IN_CSS (SCRIPT PACKAGE)
- MX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT027N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT027N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT087N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT087N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS028N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS028N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT029N_INQ_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT029N_INQ_OUT_CSS (SCRIPT PACKAGE)

For camt.027, camt.087 and pacs.028, modifications may be required wherever messages are generated with a `send_msg` command, so that they use same logic as `CTX_ACTION_INQ` (SCRIPT PACKAGE) to determine the version that will be used.

7.5.3 SEPA Direct Debit



For all of the impacted message types below, the existing message (bundle) structures have been modified to be compatible with both SEPA Release version 2023 and the previous version at the same time.

Sources for the following message types have been modified.

Bundle

- MX.NTX_ISO20022 (MSG BDL STRUCT)
- MX.NTX_ISO20022.IN (MSG BDL IN)
- MX.NTX_ISO20022.OUT (MSG BDL OUT)

- MX.NTX_ISO20022_PYLD_DESC (MSG STRUCT)
- MX_NTX_ISO20022_GEN_CSS (SCRIPT PACKAGE)
- MX_NTX_ISO20022_OUT_CSS (SCRIPT PACKAGE)
- TASK_MSG.MX_NTX_ISO20022_GEN (REP DTM)
- TASK_MSG.MX_NTX_ISO20022_GEN (REP SCRIPT)

pacs.003 SDD in/out

- MX.PACS003_TRX (MSG STRUCT): Modification of the new structures tags (Agt, BICFI, AnyBIC, LEI).
- MX.PACS003_SDD_NTX_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS003_SDD_NTX_TRX (MSG STRUCT): Modification of the new structures tags (Agt, BICFI, AnyBIC, LEI).
- MX.PACS003_SDD_NTX_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

pacs.004 SDD in/out

- MX.PACS004_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS004_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS004_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS004_SDD_NTX_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS004_SDD_NTX_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS004_SDD_NTX_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.
- MX_PACS004_TRX (DUPL CTRL): Modification of the new structures tags (BICFI).

pacs.002 SDD in/out

- MX.PACS002_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS002_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS002_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS002_SDD_NTX_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS002_SDD_NTX_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS002_SDD_NTX_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS002_SDD_NTX_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

pacs.002 SDDCRT

- MX.PACS.002.001.10CRT.NTX.XSD (XSD)
- MX_PACS_002_001_10CRT_NTX_XSD (NETW STRUCT)
- MX.PACS002N_001_10CRT_NTX_GRP (MSG STRUCT)

- MX.PACS002N_001_10CRT_NTX_OGRP (MSG STRUCT)
- MX.PACS002N_001_10CRT_NTX_TRX (MSG STRUCT)
- MX.PACS002N_001_10CRT_NTX_OGRP.IN (MSG IN)
- MX.PACS002N_001_10CRT_NTX_TRX.IN (MSG IN)
- MX.PACS002N_001_10CRT_NTX_TRX (MSG OUT)

pacs.002 SDDCRB

- MX.PACS.002.001.10CRB.NTX.XSD (XSD)
- MX_PACS_002_001_10CRB_NTX_XSD (NETW STRUCT)
- MX.PACS002N_001_10CRB_NTX_GRP (MSG STRUCT)
- MX.PACS002N_001_10CRB_NTX_OGRP (MSG STRUCT)
- MX.PACS002N_001_10CRB_NTX_TRX (MSG STRUCT)
- MX.PACS002N_001_10CRB_NTX_OGRP.IN (MSG IN)
- MX.PACS002N_001_10CRB_NTX_TRX.IN (MSG IN)

pacs.002 SDDCRA

- MX.PACS.002.001.10CRA.NTX.XSD (XSD)
- MX_PACS_002_001_10CRA_NTX_XSD (NETW STRUCT)
- MX.PACS002N_001_10CRA_NTX_GRP (MSG STRUCT)
- MX.PACS002N_001_10CRA_NTX_OGRP (MSG STRUCT)
- MX.PACS002N_001_10CRA_NTX_TRX (MSG STRUCT)
- MX.PACS002N_001_10CRA_NTX_OGRP.IN (MSG IN)
- MX.PACS002N_001_10CRA_NTX_TRX.IN (MSG IN)

pacs.002 SDDFKO

- MX.PACS.002.001.10FKO.NTX.XSD (XSD)
- MX_PACS_002_001_10FKO_NTX_XSD (NETW STRUCT)
- MX.PACS002N_001_10FKO_NTX_GRP (MSG STRUCT)
- MX.PACS002N_001_10FKO_NTX_OGRP (MSG STRUCT)
- MX.PACS002N_001_10FKO_NTX_TRX (MSG STRUCT)
- MX.PACS002N_001_10FKO_NTX_OGRP.IN (MSG IN)
- MX.PACS002N_001_10FKO_NTX_TRX.IN (MSG IN)

camt.056 SDD in/out

- MX.CAMT056_ASGN (MSG STRUCT): Modification of the new structures tags (BICFI, AnyBIC).
- MX.CAMT056_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.CAMT056_SDD_NTX_ASGN (MSG STRUCT): Modification of the new structures tags (BICFI, AnyBIC).

- MX.CAMT056_SDD_NTX_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.CAMT056_SDD_NTX_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

pacs.007 SDD in/out

- MX.PACS007_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS007_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS007_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS007_SDD_NTX_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS007_SDD_NTX_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS007_SDD_NTX_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

Cutover

There are some cases that require special attention during the cutover period 17th-18th March 2024.

Case 1

Messages that were:

- generated but not bundled yet before the release switch
- are bundled and sent out after the release switch

For this case, Avaloq delivered a task to regenerate messages that can be executed during the cutover weekend **after** the base parameter `avq.intf.mx.sepa item netw_release_id` has been switched to "mx\$sepa23".

Related sources:

- TASK_MSG.RECALC_MSG_OUT (REP SCRIPT)
- TASK_MSG.RECALC_MSG_OUT_RDY_BDL (TASK TEMPL)

Note that, depending on the workflow/message states used in your customization, you may need to create your own task template with modified filters. For example, clients who are using a compliance/embargo-check interface and have messages pending in embargo check during the cutover weekend will need to run the task for messages in "Hold" status, where the interface will do as follows:

1. Create an outgoing SEPA message in "Hold" status
2. Send a copy of the message to the compliance-check system
3. Receive a positive reply from the compliance checker (pacs.002 message type variant)
4. Change the status of the outgoing SEPA message from "Hold" to "Ready to bundle". (In this step, the outgoing message is **not** recalculated).

If step **1** and **2** happen before the cutover weekend, and steps **3** and **4** after, the task must be run to recalculate the outgoing SEPA messages. Note that this will lead to sending a new copy to the compliance checker (as per step **2**).

Case 2

Bundles (files) that have been sent out before the release switch, for which you receive rejections after the release switch. That is, the following sequence of events occurs:

1. A bundle is sent out
2. New software version is installed
3. A reject is received and you need to rebundle

In this scenario, it won't be possible to use the discard and re-bundle action or task, and the bundle needs to be recreated from scratch. Since a rejection normally arrives quickly after the original bundle is sent out, this use case is considered rare and Avaloq proposes the manual workaround. Please note that this would happen at the time of software installation, not at SEPA 2023 go live.

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the release weekend together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the release weekend, support both versions in parallel as shown in the example code snippet below.

```
if netw_release.is_greater_or_eq1(code_netw_release.mx$sepa23) then
  use the new fields structures.
else
  use the old fields structures.
end if
```

Potentially affected sources:

- MX_IN_CSS (SCRIPT PACKAGE)
- MX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS003_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS002_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS002_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT056_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT056_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS007_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS007_TRX_OUT_CSS (SCRIPT PACKAGE)

Leading and trailing spaces are no longer allowed in the value of MndtId or OrgnIMndtId in pacs.003 SDD, pacs.002 SDD, pacs.004 SDD, pacs.007 SDD, or camt.056 SDD. While no modification has been made in

kernel for this, Avaloq recommends that clients update their customization to enforce an order validation on any incoming payments that generate an outgoing pacs.003 and prevent these mandatory ID values from containing leading or trailing spaces.

7.6 Crédit Agricole Changes for March 2024



The migration date for this SEPA release was postponed from 19 November 2023 to 17 March 2024.

The following sections describe the changes that have been made to the SEPA Crédit Agricole implementation, in accordance with the latest SEPA Crédit Agricole specification for 2023.



For most of the impacted message types below, the existing message (bundle) structures have been modified to be compatible with both SEPA Release version 2023 and the previous version at the same time. The exception is mx.camt.029, where a new message structure and file type has been defined in order to align the camt.029 used for SCT recalls and the camt.029 used for inquiry resolutions.

7.6.1 SEPA Credit Transfer

Sources for the following message types have been modified.

pacs.008 SCT in/out

- MX.CAG_SCF (MSG BDL STRUCT)
- MX.PACS008_TRX (MSG STRUCT)
- MX.PACS008_SCT_CAG_GRP (MSG STRUCT)
- MX.PACS008_SCT_CAG_TRX (MSG STRUCT)
- MX.PACS008_SCT_CAG_TRX (MSG OUT)
- MX.PACS008_SCT_CAG_TRX.IN (MSG IN)
- PACS008_SCT_TRX (DUPL CTRL)
- CODE_MSG_VALID.MX_PACS008_SCT_CAG_TRX_IN (CODE TAB)

pacs.004 SCT in/out

- MX.PACS004_TRX (MSG STRUCT)
- MX.PACS004_SCT_CAG_GRP (MSG STRUCT)
- MX.PACS004_SCT_CAG_TRX (MSG STRUCT)
- MX.PACS004_SCT_CAG_TRX (MSG OUT)
- MX.PACS004_SCT_CAG_TRX.IN (MSG IN)
- MX_PACS004_TRX (DUPL CTRL)
- CODE_MSG_VALID.MX_PACS004_SCT_CAG_TRX_IN (CODE TAB)

pacs.002 SCT in

- MX.PACS002_TRX (MSG STRUCT)
- MX.PACS002_OGRP (MSG STRUCT)
- MX.PACS002_SCTCL_CAG_OGRP (MSG STRUCT)
- MX.PACS002_SCTCL_CAG_TRX (MSG STRUCT)

camt.056 SCT in/out

- MX.CAMT056_ASGN (MSG STRUCT)
- MX.CAMT056_TRX (MSG STRUCT)
- MX.CAMT056_SCT_CAG_ASGN (MSG STRUCT)
- MX.CAMT056_SCT_CAG_TRX (MSG STRUCT)
- MX.CAMT056_SCT_CAG_TRX (MSG OUT)
- MX.CAMT056_SCT_CAG_TRX.IN (MSG IN)

camt.029 SCT in/out



This message type has been implemented using the new native XSD method and a new definition of the SCF file type.

- MX.CAMT.029.001.09.CT.XSD (XSD)
- MX.CAMT.029.001.09.SCT.CAG.XSD (XSD)
- MX.CAG_ICF (MSG BDL STRUCT)
- MX.CAG_SCF_V09 (MSG BDL STRUCT)
- MX.CAG_SCF_V09.IN (MSG BDL IN)
- MX.CAMT029N_V09_SCT_CAG_TRX (MSG OUT)
- MX.CAMT029N_V09_SCT_CAG_TRX.IN (MSG IN)
- MX_CAMT029N_CT_V09_ASSGNMT (DUPL CTRL)
- CODE_FILE_UPL_TYPE.PAY_INTF (CODE TAB)
- CODE_MSG_CHUNK_CONFIG.MX (CODE TAB)
- TASK_MSG.MX_CAG_ICF_GEN (REP SCRIPT)

Cutover

There are some cases that require special attention during the cutover period 17th-18th March 2024.

Case 1

Messages that were:

- generated but not bundled yet before the release switch
- are bundled and sent out after the release switch

For this case, Avaloq delivered a task to regenerate messages that can be executed during the cutover weekend **after** the base parameter `avq.intf.mx.sepa item netw_release_id` has been switched to "mx\$sepa23".

Related sources:

- TASK_MSG.RECALC_MSG_OUT (REP SCRIPT)
- TASK_MSG.RECALC_MSG_OUT_RDY_BDL (TASK TEMPL)

Note that, depending on the workflow/message states used in your customization, you may need to create your own task template with modified filters. For example, clients who are using a compliance/embargo-check interface and have messages pending in embargo check during the cutover weekend will need to run the task for messages in "Hold" status, where the interface will do as follows:

1. Create an outgoing SEPA message in "Hold" status
2. Send a copy of the message to the compliance-check system
3. Receive a positive reply from the compliance checker (pacs.002 message type variant)
4. Change the status of the outgoing SEPA message from "Hold" to "Ready to bundle". (In this step, the outgoing message is **not** recalculated).

If step **1** and **2** happen before the cutover weekend, and steps **3** and **4** after, the task must be run to recalculate the outgoing SEPA messages. Note that this will lead to sending a new copy to the compliance checker (as per step **2**).

Case 2

Single messages without bundling that are attached to the payment or settlement order and were:

- generated before the release switch with a send_date_plan after the release cutover, e.g. payments with a future value date
- sent out after the release switch

Note that if the message is attached to a settlement order, the task executes the workflow action with intl_id settle#calc_store and the recalculation of the message only works if this action contains at least the (calc) (store) (commit) commands.

If this workflow action doesn't exist in your customization, you either need to create a new generic workflow action with intl_id settle#calc_store or, if this intl_id is already in use, you can create a copy of TASK_MSG.RECALC_MSG_OUT (REP SCRIPT) in your customization calling another existing or newly added generic workflow action that contains the workflow commands mentioned above.

On MDB it has been implemented by adding the following generic action in SETTLE.WFC (BUSINESS TYPE CONFIG) starting from WFC-status -1:

```
mdb#.add_wfc_action(      -8, 'Settlement generic calc and store', null, null
    ,i_intl_id            => 'settle#calc_store'
    ,i_stmt               => '(calc) (wfc_rule(settle_store))'
);
```

Case 3

Bundles (files) that have been sent out before the release switch, for which you receive rejections after the release switch. That is, the following sequence of events occurs:

1. A bundle is sent out
2. New software version is installed
3. A reject is received and you need to rebundle

In this scenario, it won't be possible to use the discard and re-bundle action or task, and the bundle needs to be recreated from scratch. Since a rejection normally arrives quickly after the original bundle is sent out, this

use case is considered rare and Avaloq proposes the manual workaround. Please note that this would happen at the time of software installation, not at SEPA 2023 go live.

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the release weekend together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the release weekend, support both versions in parallel as shown in the example code snippet below.

```
[script 1.0]

extension script package mx_pacs008_trx_out_css
is

    import                netw_release;

[...]
```

```

procedure doc#fill_extn(
    i_pay                                mem_doc_pay
    ,i_msg                                mem_msg_mx_pacs008_trx
)
is
begin
    -- dbtr_agt => always current BU
    if netw_release.is_greater_or_eq1(code_netw_release.mx$sepa23) then
        i_msg.dbtr_agt.fin_instn_id.bicfi.val_text := rpad(obj_bp(session.bu_id).extn.bp_swift_val,
11, 'X');
    else
        i_msg.dbtr_agt.fin_instn_id.bic.val_text := rpad(obj_bp(session.bu_id).extn.bp_swift_val,
11, 'X');
    end if;
exception
    when others then
        err.raise_fa(
            'fill_extn'
            , 'pay'                                , i_pay.doc_id
            , 'new_netw_release_id' , i_msg.head.msg_id
        );
end doc#fill_extn;
```

Potentially affected sources:

- MX_PACS008_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS008_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_OUT_CSS (SCRIPT PACKAGE)
- CODE_FILE_UPL_TYPE_CONFIG.MDB\$PAY_INTF (CODE TAB)
 - Add row for file_upl_type_id "mx_cag_scf_v09"

- **CODE_SETTLE_PLAN (CODE TAB)**

- Add rows for new msg type meta_msg_spec_id "mx_camt029n_v09_sct_cag_trx"

Rows added on MDB:

row mdb\$sct_cag_camt_029_v09	
user_id	"SCT.CAG.CAMT.029.V09"
name	"SCT CAMT.029 CAG V09 - SEPA Credit Transfer
Cancellation Reject"	
meta_typ_id	"pay"
bu_id	

- **CODE_SETTLE_PLAN_MSG (CODE TAB)**

- Add rows for new msg type meta_msg_spec_id "mx_camt029n_v09_sct_cag_trx"

Rows added on MDB:

row mdb\$sct_cag_camt_029_v09_1	
user_id	"SCT.CAG.CAMT.029_V09_1"
settle_plan_id	"mdb\$sct_cag_camt_029_v09"
seq_nr	"1"
meta_msg_spec_id	"mx_camt029n_v09_sct_cag_trx"

- **MX_CAMT029N_TRX_IN_CSS (SCRIPT PACKAGE)**
- **MX_CAMT029N_TRX_OUT_CSS (SCRIPT PACKAGE)**

7.6.2 SEPA Credit Transfer Inquiry

Sources for the following message types have been modified.

Bundle

- **MX.CAG_OQF_CAMT027_V07 (MSG BDL STRUCT):** Adaptation of the institution validations depending on the release version.
- **MX.CAG_OQF_CAMT087_V06 (MSG BDL STRUCT):** Adaptation of the institution validations depending on the release version.
- **MX.CAG_OQF_PACS028_V03 (MSG BDL STRUCT):** Adaptation of the institution validations depending on the release version.
- **MX.CAG_DNF_CAMT056 (MSG BDL STRUCT):** Adaptation of the institution validations depending on the release version.
- **MX.CAG_OQF_CAMT029_V09 (MSG BDL STRUCT):** Adaptation of the institution validations depending on the release version.

camt.027 SCT in/out

- **MX.CAMT.027.001.07.SCT.CAG.XSD (XSD)**
- **MX.CAMT027N_V07_CT_COVER_DTLS (MSG STRUCT):** New structure for the new release.
- **MX.CAMT027N_V07_CT_SPLMTRY_DATA (MSG STRUCT):** New structure for the new release.
- **MX.CAMT027N_V07_CT_ASSGNMT (MSG STRUCT):** New structure for the new release.
- **MX.CAMT027N_V07_CT_CASE (MSG STRUCT):** New structure for the new release.
- **MX.CAMT027N_V07_CT_INSTR_FOR_ASSGNE (MSG STRUCT):** New structure for the new release.
- **MX.CAMT027N_V07_CT_TRX (MSG STRUCT):** New structure for the new release.

- MX.CAMT027N_V07_SCT_CAG_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_CAG_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_CAG_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_V07_SCT_CAG_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT027N_SCT_CAG_TRX (MSG OUT): Copy adaptation depending on the version.
- MX_CAMT027N_V07_CT_ASSGNMT (DUPL CTRL): New duplicate control
- CTX_ACTION_INQ (SCRIPT PACKAGE): Release-dependent control to specify which structure to be used (old or new), because the outgoing message is the same on both versions.

camt.087 SCT in/out

- MX.CAMT.087.001.06.SCT.CAG.XSD (XSD)
- MX.CAMT087N_V06_CT_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_MOD (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_SPLMTRY_DATA (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_CT_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_CAG_INSTR_FOR_ASSGNE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_CAG_MOD (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_CAG_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_CAG_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_V06_SCT_CAG_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT087N_SCT_CAG_TRX (MSG OUT): Copy adaptation depending on the version.
- MX_CAMT087N_V06_CT_ASSGNMT (DUPL CTRL): New duplicate control
- CTX_ACTION_INQ (SCRIPT PACKAGE): Release-dependent control to specify which structure to be used (old or new), because the outgoing message is the same on both versions.

pacs.028 SCT in/out

- MX.PACS.028.001.03.SCT.CAG.XSD (XSD)
- MX.PACS028N_V03_CT_GRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_CT_OGRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_CT_SPLMTRY_DATA (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_CT_TRX (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_SCT_CAG_GRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_SCT_CAG_OGRP (MSG STRUCT): New structure for the new release.
- MX.PACS028N_V03_SCT_CAG_TRX (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_CAG_MOD_DTLS.IN (MSG IN): New outgoing message for the new release.

- MX.CAMT029N_V09_SCT_CAG_MOD_DTLS (MSG OUT): New outgoing message for the new release.
- MX_PACS028N_V03_CT_GRP (DUPL CTRL): New duplicate control
- CTX_ACTION_INQ (SCRIPT PACKAGE): Release-dependent control to specify which structure to be used (old or new), because the outgoing message is the same on both versions.

camt.029 SCT Inq in/out

- MX.CAMT.029.001.09.SCT.CAG.XSD (XSD)
- MX.CAMT029N_V09_CT_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_CLM_NON_RCT_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_MOD_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_RSLTN_RLTD_INF (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_RSLVD_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_CT_STS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_CAG_ASSGNMT (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_CAG_CLM_NON_RCT_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_CAG_MOD_DTLS (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_CAG_RSLTN_RLTD_INF (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_CAG_RSLVD_CASE (MSG STRUCT): New structure for the new release.
- MX.CAMT029N_V09_SCT_CAG_STS (MSG STRUCT): New structure for the new release.
- MX.PACS028N_SCT_CAG_TRX (MSG OUT): Copy adaptation depending on the version.
- MX_CAMT029N_CT_V09_ASSGNMT (DUPL CTRL): New duplicate control

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the release weekend together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the release weekend, support both versions in parallel as shown in the example code snippet below.

```
if netw_release.is_greater_or_eq1(code_netw_release.mx$sepa23) then
  use the new fields structures.
else
  use the old fields structures.
end if
```

Potentially affected sources:

- MX_IN_CSS (SCRIPT PACKAGE)
- MX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT027N_TRX_IN_CSS (SCRIPT PACKAGE)

- MX_CAMT027N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT087N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT087N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS028N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS028N_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT029N_INQ_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT029N_INQ_OUT_CSS (SCRIPT PACKAGE)

For camt.027, camt.087 and pacs.028, modifications may be required wherever messages are generated with a send_msg command, so that they use same logic as CTX_ACTION_INQ (SCRIPT PACKAGE) to determine the version that will be used.

7.6.3 SEPA Direct Debit



For all of the impacted message types below, the existing message (bundle) structures have been modified to be compatible with both SEPA Release version 2023 and the previous version at the same time.

Sources for the following message types have been modified.

Bundle

- MX.CAG_DNF_PACS003 (MSG BDL STRUCT): Modification of the institution validations depending on the release version.
- MX.CAG_SDF_PACS004 (MSG BDL STRUCT): Modification of the institution validations depending on the release version.
- MX.CAG_DNF_PACS002 (MSG BDL STRUCT): Modification of the institution validations depending on the release version.
- MX.CAG_DNF_CAMT056 (MSG BDL STRUCT): Modification of the institution validations depending on the release version.

pacs.003 SDD in/out

- MX.PACS003_TRX (MSG STRUCT): Modification of the new structures tags (Agt, BICFI, AnyBIC, LEI).
- MX.PACS003_SDD_CAG_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS003_SDD_CAG_TRX (MSG STRUCT): Modification of the new structures tags (Agt, BICFI, AnyBIC, LEI).
- MX.PACS003_SDD_CAG_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

pacs.004 SDD in/out

- MX.PACS004_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS004_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS004_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS004_SDD_CAG_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).

- MX.PACS004_SDD_CAG_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS004_SDD_CAG_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.
- MX_PACS004_TRX (DUPL CTRL): Modification of the new structures tags (BICFI).

pacs.002 SDD in/out

- MX.PACS002_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS002_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS002_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS002_SDD_CAG_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS002_SDD_CAG_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS002_SDD_CAG_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS002_SDD_CAG_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

camt.056 SDD in/out

- MX.CAMT056_ASGN (MSG STRUCT): Modification of the new structures tags (BICFI, AnyBIC).
- MX.CAMT056_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.CAMT056_SDD_CAG_ASGN (MSG STRUCT): Modification of the new structures tags (BICFI, AnyBIC).
- MX.CAMT056_SDD_CAG_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.CAMT056_SDD_CAG_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

pacs.007 SDD in/out

- MX.PACS007_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS007_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS007_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS007_SDD_CAG_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS007_SDD_CAG_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS007_SDD_CAG_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

Cutover

There are some cases that require special attention during the cutover period 17th-18th March 2024.

Case 1

Messages that were:

- generated but not bundled yet before the release switch
- are bundled and sent out after the release switch

For this case, Avaloq delivered a task to regenerate messages that can be executed during the cutover weekend **after** the base parameter `avq.intf.mx.sepa item netw_release_id` has been switched to "mx\$sepa23".

Related sources:

- TASK_MSG.RECALC_MSG_OUT (REP SCRIPT)
- TASK_MSG.RECALC_MSG_OUT_RDY_BDL (TASK TEMPL)

Note that, depending on the workflow/message states used in your customization, you may need to create your own task template with modified filters. For example, clients who are using a compliance/embargo-check interface and have messages pending in embargo check during the cutover weekend will need to run the task for messages in "Hold" status, where the interface will do as follows:

1. Create an outgoing SEPA message in "Hold" status
2. Send a copy of the message to the compliance-check system
3. Receive a positive reply from the compliance checker (pacs.002 message type variant)
4. Change the status of the outgoing SEPA message from "Hold" to "Ready to bundle". (In this step, the outgoing message is **not** recalculated).

If step 1 and 2 happen before the cutover weekend, and steps 3 and 4 after, the task must be run to recalculate the outgoing SEPA messages. Note that this will lead to sending a new copy to the compliance checker (as per step 2).

Case 2

Bundles (files) that have been sent out before the release switch, for which you receive rejections after the release switch. That is, the following sequence of events occurs:

1. A bundle is sent out
2. New software version is installed
3. A reject is received and you need to rebundle

In this scenario, it won't be possible to use the discard and re-bundle action or task, and the bundle needs to be recreated from scratch. Since a rejection normally arrives quickly after the original bundle is sent out, this use case is considered rare and Avaloq proposes the manual workaround. Please note that this would happen at the time of software installation, not at SEPA 2023 go live.

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the release weekend together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the release weekend, support both versions in parallel as shown in the example code snippet below.

```
if netw_release.is_greater_or_eq(code_netw_release.mx$sepa23) then
    use the new fields structures.
else
    use the old fields structures.
end if
```

Potentially affected sources:

- MX_IN_CSS (SCRIPT PACKAGE)
- MX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS003_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS002_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS002_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT056_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT056_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS007_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS007_TRX_OUT_CSS (SCRIPT PACKAGE)

Leading and trailing spaces are no longer allowed in the value of MndtId or OrgnlMndtId in pacs.003 SDD, pacs.002 SDD, pacs.004 SDD, pacs.007 SDD, or camt.056 SDD. While no modification has been made in kernel for this, Avaloq recommends that clients update their customization to enforce an order validation on any incoming payments that generate an outgoing pacs.003 and prevent these mandatory ID values from containing leading or trailing spaces.

7.7 KBC Changes for March 2024



The migration date for this SEPA release was postponed from 19 November 2023 to 17 March 2024.

The following sections describe the changes that have been made to the SEPA KBC implementation, in accordance with the latest SEPA KBC specification for 2023.



For most of the impacted message types below, the existing message (bundle) structures have been modified to be compatible with both SEPA Release version 2023 and the previous version at the same time. The exception is mx.camt.029, where a new message structure and file type has been defined in order to align the camt.029 used for SCT recalls and the camt.029 used for inquiry resolutions.

7.7.1 SEPA Credit Transfer

Sources for the following message types have been modified.

pacs.008 SCT in/out

- MX.KBC_SCF (MSG BDL STRUCT)
- MX.PACS008_TRX (MSG STRUCT)
- MX.PACS008_SCT_KBC_GRP (MSG STRUCT)
- MX.PACS008_SCT_KBC_TRX (MSG STRUCT)
- MX.PACS008_SCT_KBC_TRX (MSG OUT)
- MX.PACS008_SCT_KBC_TRX.IN (MSG IN)
- PACS008_SCT_TRX (DUPL CTRL)
- CODE_MSG_VALID.MX_PACS008_SCT_KBC_TRX_IN (CODE TAB)

pacs.004 SCT in/out

- MX.PACS004_TRX (MSG STRUCT)
- MX.PACS004_SCT_KBC_GRP (MSG STRUCT)
- MX.PACS004_SCT_KBC_TRX (MSG STRUCT)
- MX.PACS004_SCT_KBC_TRX (MSG OUT)
- MX.PACS004_SCT_KBC_TRX.IN (MSG IN)
- MX_PACS004_TRX (DUPL CTRL)
- CODE_MSG_VALID.MX_PACS004_SCT_KBC_TRX_IN (CODE TAB)

pacs.002 SCT in

- MX.PACS002_TRX (MSG STRUCT)
- MX.PACS002_OGRP (MSG STRUCT)
- MX.PACS002_SCTCL_KBC_OGRP (MSG STRUCT)
- MX.PACS002_SCTCL_KBC_TRX (MSG STRUCT)

camt.056 SCT in/out

- MX.CAMT056_ASGN (MSG STRUCT)
- MX.CAMT056_TRX (MSG STRUCT)
- MX.CAMT056_SCT_KBC_ASGN (MSG STRUCT)
- MX.CAMT056_SCT_KBC_TRX (MSG STRUCT)
- MX.CAMT056_SCT_KBC_TRX (MSG OUT)
- MX.CAMT056_SCT_KBC_TRX.IN (MSG IN)

camt.029 SCT in/out



This message type has been implemented using the new native XSD method and a new definition of the SCF file type.

- MX.CAMT.029.001.09.CT.XSD (XSD)
- MX.CAMT.029.001.09.SCT.KBC.XSD (XSD)
- MX.KBC_ICF (MSG BDL STRUCT)
- MX.KBC_SCF_V09 (MSG BDL STRUCT)

- MX.KBC_SCF_V09.IN (MSG BDL IN)
- MX.CAMT029N_V09_SCT_KBC_TRX (MSG OUT)
- MX.CAMT029N_V09_SCT_KBC_TRX.IN (MSG IN)
- MX_CAMT029N_CT_V09_ASSGNMT (DUPL CTRL)
- CODE_FILE_UPL_TYPE.PAY_INTF (CODE TAB)
- CODE_MSG_CHUNK_CONFIG.MX (CODE TAB)
- TASK_MSG.MX_KBC_ICF_GEN (REP SCRIPT)

Cutover

There are some cases that require special attention during the cutover period 17th-18th March 2024.

Case 1

Messages that were:

- generated but not bundled yet before the release switch
- are bundled and sent out after the release switch

For this case, Avaloq delivered a task to regenerate messages that can be executed during the cutover weekend **after** the base parameter `avq.intf.mx.sepa item netw_release_id` has been switched to "mx\$sepa23".

Related sources:

- TASK_MSG.RECALC_MSG_OUT (REP SCRIPT)
- TASK_MSG.RECALC_MSG_OUT_RDY_BDL (TASK TEMPL)

Note that, depending on the workflow/message states used in your customization, you may need to create your own task template with modified filters. For example, clients who are using a compliance/embargo-check interface and have messages pending in embargo check during the cutover weekend will need to run the task for messages in "Hold" status, where the interface will do as follows:

1. Create an outgoing SEPA message in "Hold" status
2. Send a copy of the message to the compliance-check system
3. Receive a positive reply from the compliance checker (pacs.002 message type variant)
4. Change the status of the outgoing SEPA message from "Hold" to "Ready to bundle". (In this step, the outgoing message is **not** recalculated).

If step **1** and **2** happen before the cutover weekend, and steps **3** and **4** after, the task must be run to recalculate the outgoing SEPA messages. Note that this will lead to sending a new copy to the compliance checker (as per step **2**).

Case 2

Single messages without bundling that are attached to the payment or settlement order and were:

- generated before the release switch with a `send_date_plan` after the release cutover, e.g. payments with a future value date
- sent out after the release switch

Note that if the message is attached to a settlement order, the task executes the workflow action with `intl_id settle#calc_store` and the recalculation of the message only works if this action contains at least the `(calc) (store) (commit)` commands.

If this workflow action doesn't exist in your customization, you either need to create a new generic workflow action with `intl_id settle#calc_store` or, if this `intl_id` is already in use, you can create a copy of `TASK_MSG.RECALC_MSG_OUT (REP SCRIPT)` in your customization calling another existing or newly added generic workflow action that contains the workflow commands mentioned above.

On MDB it has been implemented by adding the following generic action in `SETTLE.WFC (BUSINESS TYPE CONFIG)` starting from `WFC-status -1`:

```

mdb#.add_wfc_action(      -8, 'Settlement generic calc and store', null, null
, i_intl_id              => 'settle#calc_store'
, i_stmt                 => '(calc) (wfc_rule(settle_store))'
);

```

Case 3

Bundles (files) that have been sent out before the release switch, for which you receive rejections after the release switch. That is, the following sequence of events occurs:

1. A bundle is sent out
2. New software version is installed
3. A reject is received and you need to rebundle

In this scenario, it won't be possible to use the discard and re-bundle action or task, and the bundle needs to be recreated from scratch. Since a rejection normally arrives quickly after the original bundle is sent out, this use case is considered rare and Avaloq proposes the manual workaround. Please note that this would happen at the time of software installation, not at SEPA 2023 go live.

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the release weekend together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the release weekend, support both versions in parallel as shown in the example code snippet below.

```

[script 1.0]

extension script package mx_pacs008_trx_out_css
is

    import                netw_release;

[...]
```

```

procedure doc#fill_extn(
    i_pay                  mem_doc_pay
    , i_msg                 mem_msg_mx_pacs008_trx
)
is
begin
    -- dbtr_agt => always current BU

```

```

if netw_release.is_greater_or_eql(code_netw_release.mx$sepa23) then
    i_msg.dbtr_agt.fin_instn_id.bicfi.val_text := rpad(obj_bp(session.bu_id).extn.bp_swift_val,
11, 'X');
else
    i_msg.dbtr_agt.fin_instn_id.bic.val_text := rpad(obj_bp(session.bu_id).extn.bp_swift_val,
11, 'X');
end if;
exception
when others then
    err.raise_fa(
        'fill_extn'
        , 'pay' , i_pay.doc_id
        , 'new_netw_release_id' , i_msg.head.msg_id
    );
end doc#fill_extn;

```

Potentially affected sources:

- MX_PACS008_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS008_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_OUT_CSS (SCRIPT PACKAGE)
- CODE_FILE_UPL_TYPE_CONFIG.MDB\$PAY_INTF (CODE TAB)
 - Add row for file_upl_type_id "mx_kbc_scf_v09"
- CODE_SETTLE_PLAN (CODE TAB)
 - Add rows for new msg type meta_msg_spec_id "mx_camt029n_v09_sct_kbc_trx"

Rows added on MDB:

row mdb\$sct_kbc_camt_029_v09	
user_id	"SCT.KBC.CAMT.029.V09"
name	"SCT CAMT.029 KBC V09 - SEPA Credit Transfer
Cancellation Reject"	
meta_typ_id	"pay"
bu_id	

- CODE_SETTLE_PLAN_MSG (CODE TAB)
 - Add rows for new msg type meta_msg_spec_id "mx_camt029n_v09_sct_kbc_trx"

Rows added on MDB:

row mdb\$sct_kbc_camt_029_v09_1	
user_id	"SCT.KBC.CAMT.029_V09_1"
settle_plan_id	"mdb\$sct_kbc_camt_029_v09"
seq_nr	"1"
meta_msg_spec_id	"mx_camt029n_v09_sct_kbc_trx"

- MX_CAMT029N_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT029N_TRX_OUT_CSS (SCRIPT PACKAGE)

7.7.2 SEPA Direct Debit



For all of the impacted message types below, the existing message (bundle) structures have been modified to be compatible with both SEPA Release version 2023 and the previous version at the same time.

Sources for the following message types have been modified.

pacs.003 SDD in

- MX.PACS003_TRX (MSG STRUCT): Modification of the new structures tags (Agt, BICFI, AnyBIC, LEI).
- MX.PACS003_SDD_KBC_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS003_SDD_KBC_TRX (MSG STRUCT): Modification of the new structures tags (Agt, BICFI, AnyBIC, LEI).

pacs.004 SDD out

- MX.PACS004_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS004_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS004_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS004_SDD_KBC_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS004_SDD_KBC_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS004_SDD_KBC_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.
- MX_PACS004_TRX (DUPL CTRL): Modification of the new structures tags (BICFI).

pacs.002 SDD out

- MX.PACS002_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS002_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS002_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS002_SDD_KBC_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS002_SDD_KBC_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS002_SDD_KBC_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS002_SDD_KBC_TRX (MSG OUT): Remove the new white fields if they are present and inform the new tags in case of crossover between versions.

pacs.002 SDDCL in

- MX.PACS002_SDDCL_KBC_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS002_SDDCL_KBC_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).

camt.056 SDD in

- MX.CAMT056_ASGN (MSG STRUCT): Modification of the new structures tags (BICFI, AnyBIC).
- MX.CAMT056_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.CAMT056_SDD_KBC_ASGN (MSG STRUCT): Modification of the new structures tags (BICFI, AnyBIC).

- MX.CAMT056_SDD_KBC_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).

pacs.007 SDD in

- MX.PACS007_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS007_OGRP (MSG STRUCT): Modification of the new structures tags (AnyBIC).
- MX.PACS007_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).
- MX.PACS007_SDD_KBC_GRP (MSG STRUCT): Modification of the new structures tags (BICFI).
- MX.PACS007_SDD_KBC_TRX (MSG STRUCT): Modification of the new structures tags (Agt, Pty, BICFI, AnyBIC, LEI).

Cutover

There are some cases that require special attention during the cutover period 17th-18th March 2024.

Case 1

Messages that were:

- generated but not bundled yet before the release switch
- are bundled and sent out after the release switch

For this case, Avaloq delivered a task to regenerate messages that can be executed during the cutover weekend **after** the base parameter `avq.intf.mx.sepa item netw_release_id` has been switched to "mx\$sepa23".

Related sources:

- TASK_MSG.RECALC_MSG_OUT (REP SCRIPT)
- TASK_MSG.RECALC_MSG_OUT_RDY_BDL (TASK TEMPL)

Note that, depending on the workflow/message states used in your customization, you may need to create your own task template with modified filters. For example, clients who are using a compliance/embargo-check interface and have messages pending in embargo check during the cutover weekend will need to run the task for messages in "Hold" status, where the interface will do as follows:

1. Create an outgoing SEPA message in "Hold" status
2. Send a copy of the message to the compliance-check system
3. Receive a positive reply from the compliance checker (pacs.002 message type variant)
4. Change the status of the outgoing SEPA message from "Hold" to "Ready to bundle". (In this step, the outgoing message is **not** recalculated).

If step **1** and **2** happen before the cutover weekend, and steps **3** and **4** after, the task must be run to recalculate the outgoing SEPA messages. Note that this will lead to sending a new copy to the compliance checker (as per step **2**).

Case 2

Bundles (files) that have been sent out before the release switch, for which you receive rejections after the release switch. That is, the following sequence of events occurs:

1. A bundle is sent out
2. New software version is installed
3. A reject is received and you need to rebundle

In this scenario, it won't be possible to use the discard and re-bundle action or task, and the bundle needs to be recreated from scratch. Since a rejection normally arrives quickly after the original bundle is sent out, this use case is considered rare and Avaloq proposes the manual workaround. Please note that this would happen at the time of software installation, not at SEPA 2023 go live.

Impact on customization

In general, you must modify your CSS exits and other customization to support the correct version(s).

If you install the customization update during the release weekend together with the switch of the base parameter `avq.intf.mx.sepa item netw_release_id`, change the customization from the old to new message fields.

If you install the customization update before the release weekend, support both versions in parallel as shown in the example code snippet below.

```
if netw_release.is_greater_or_eq(code_netw_release.mx$sepa23) then
    use the new fields structures.
else
    use the old fields structures.
end if
```

Potentially affected sources:

- MX_IN_CSS (SCRIPT PACKAGE)
- MX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS003_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS004_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS002_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS002_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_CAMT056_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_CAMT056_TRX_OUT_CSS (SCRIPT PACKAGE)
- MX_PACS007_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PACS007_TRX_OUT_CSS (SCRIPT PACKAGE)

7.7.3 SDS (Sensitive Data Separation)

For newly added fields in the various messages (mainly related to structured addresses) the corresponding entries in `CODE_SDS_MSG_FLD.%` (CODE TAB) have been added in kernel as inactive, and must be activated or deactivated in the client's customization as desired. For modified, new or removed fields, both the 2022 and 2023 versions are supported in parallel.

Modified sources:

- `CODE_SDS_MSG_FLD.MX_CAMT056_SCT_KBC_TRX` (CODE TAB)
- `CODE_SDS_MSG_FLD.MX_CAMT056_SDD_KBC_TRX` (CODE TAB)

- CODE_SDS_MSG_FLD.MX_PACS002_SDD_KBC_TRX (CODE TAB)
- CODE_SDS_MSG_FLD.MX_PACS003_SDD_KBC_TRX (CODE TAB)
- CODE_SDS_MSG_FLD.MX_PACS004_SCT_KBC_TRX (CODE TAB)
- CODE_SDS_MSG_FLD.MX_PACS004_SDD_KBC_TRX (CODE TAB)
- CODE_SDS_MSG_FLD.MX_PACS007_SDD_KBC_TRX (CODE TAB)
- CODE_SDS_MSG_FLD.MX_PACS008_SCT_KBC_TRX (CODE TAB)

7.8 DFÜ Changes for March 2024



The migration date for this SEPA release was postponed from 19 November 2023 to 17 March 2024.

The changes described below have been introduced based on the German Banking Industry Committee (Deutsche Kreditwirtschaft, DK) specification for the SEPA data formats for the customer-to-bank interface, which are, in turn, based on the EPC Implementation Guidelines.

7.8.1 pain.001

With the 2023 SEPA release, a new version of the customer credit transfer initiation message based on the ISO 20022 pain.001.001.09 is available for DE. The current version based on the ISO 20022 pain.001.001.03 message will still be supported in parallel.

Avaloq has implemented the following changes:

- The existing MX.PAIN001_DE (MSG BDL STRUCT) and related msg structs have been modified to be compatible with both versions at the same time:
 - MX.PAIN001_DE_DBTR
 - MX.PAIN001_DE_DBTR_ACCT
 - MX.PAIN001_DE_DBTR_AGT
 - MX.PAIN001_DE_GRP_HDR
 - MX.PAIN001_DE_PMT_TP_INF
 - MX.PAIN001_DE_REQD_EXCTN_DT
 - MX.PAIN001_DE_TRX
 - MX.PAIN001_DE_ULMTT_DBTR
- The new MX.PAIN001_DE_REQD_EXCTN_DT (MSG STRUCT) has been created.
- The existing meta_msg MX.PAIN001_DE_TRX.IN (MSG IN) is still used, and a new meta_msg MX.PAIN001_DE_GRP_HDR.IN (MSG IN) has been introduced to manage both message versions in parallel.
- Existing generic and specific script packages have been modified:
 - MX_PAIN001_DE_TRX_IN
 - MX_PAIN001_DE_VALID

Impact on customization

New CSS exits **have not** been provided. Therefore, existing functions and procedures may need to be modified to support both versions of the messages in parallel (for example, to access "BIC" (version 03) or "BICFI" (version 09) fields, or the new "LEI" identifier field) in:

- MX_PAIN001_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PAIN001_GRP_IN_CSS (SCRIPT PACKAGE)
- MX_PAIN001_GRP_VALID_CSS (SCRIPT PACKAGE)
- MX_PAIN001_BDL_VALID_CSS (SCRIPT PACKAGE)

7.8.2 pain.002

Avaloq has implemented the following changes:

A new XSD will be used for SEPA release 2023: MX.PAIN.002.001.10_GBIC_4.XSD (XSD). Based on that, a new MX.PAIN002_DE_V10 (MSG BDL STRUCT) has been introduced to group the following new msg structs:

- MX.PAIN002N_DE_V10_GRP_HDR
- MX.PAIN002N_DE_V10_NB_TXS_PER_STS
- MX.PAIN002N_DE_V10_OGRP
- MX.PAIN002N_DE_V10_OPMT
- MX.PAIN002N_DE_V10_STS_RSN_INF
- MX.PAIN002N_DE_V10_TRX

For the newly created message structure, the filling logic has been modified with the following main tag changes:

- **BIC**: BICFI
- **BicOrBEI**: AnyBIC
- **LEI**: added as an option in the OrgID
- Structured addresses

On the msg bdl struct:

- **OrgnlCtrlSum**: In v10, max 2 decimals are sent out

Only message out is being handled. The existing specific PAIN.002 generation task has been modified to support the new meta_msg_struct (that is, v10): TASK_MSG.MX_PAIN002_GEN (REP SCRIPT).

Impact on customization

Possible impact on MX_PAIN002_BDL_CSS (SCRIPT PACKAGE).

Until November 2025, both versions will be supported:

- If the initial PAIN messages are in the old version, then we answer with the old version (.03)
- If the initial PAIN messages are in the new version, then we answer with the new version (.10)

7.8.3 pain.008

With the 2023 SEPA release, a new version of the customer credit transfer initiation message based on the ISO 20022 pain.008.001.08 is available for DE. The current version based on the ISO 20022 pain.008.001.02 message will still be supported in parallel.

Avaloq has implemented the following changes:

- The existing MX.PAIN008_DE (MSG BDL STRUCT) and related msg structs have been modified to be compatible with both versions at the same time:
 - MX.PAIN008_DE_CDTR
 - MX.PAIN008_DE_CDTR_AGT
 - MX.PAIN008_DE_GRP_HDR
 - MX.PAIN008_DE_PMT_TP_INF
 - MX.PAIN008_DE_TRX
 - MX.PAIN008_DE_ULMTT_CDTR
- The existing meta_msg MX.PAIN008_DE_TRX.IN (MSG IN) is still used, and a new meta_msg MX.PAIN001_DE_GRP_HDR.IN (MSG IN) has been introduced to manage both message versions in parallel.
- Existing generic and specific script packages have been modified:
 - MX_PAIN008_DE_TRX_IN
 - MX_PAIN008_DE_VALID

Impact on customization

New CSS exits **have not** been provided. Therefore, existing functions and procedures may need to be modified to support both versions of the messages in parallel (for example, to access "BIC" (version 03) or "BICFI" (version 09) fields, or the new "LEI" identifier field) in:

- MX_PAIN008_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PAIN008_GRP_VALID_CSS (SCRIPT PACKAGE)
- MX_PAIN008_TRX_IN_CSS (SCRIPT PACKAGE)
- MX_PAIN008_BDL_VALID_CSS (SCRIPT PACKAGE)

7.9 Upgrading SEPA for March 2024



The migration date for this SEPA release was postponed from 19 November 2023 to 17 March 2024. The steps below are not necessary until that date (or later in the case of DB).

The changes made for the SEPA 2023 release upgrade affect the processing of messages for the ABBL, BBK, Crédit Agricole, DB, DFÜ, EBA STEP2, KBC and Natixis clearers. If these changes apply to you, complete the following steps to keep up to date with the SEPA 2023 release upgrade:

Steps to Follow

1. **For clearers other than DB:** On the productive Avaloq Core, on the date the release upgrade is productive on the SEPA network, set the `netw_release_id` item of the `avq.intf.mx.sepa` base parameter to "mx\$sepa23".

If you use messages `pain.001` or `pain.008` with the ABBL or DFÜ clearers, you **must** set this base parameter, even if not using SEPA.
2. **For DB only:** On the productive Avaloq Core, on the date the release upgrade is productive on the SEPA network, set the `netw_release_id` item of the `avq.intf.mx.sepa` base parameter to "sepa23_db_24".
3. Review and, if required, modify your CSS exits and other customization related to the following message types:
 - pacs.008 SCT
 - pacs.004 SCT
 - pacs.002 SCT
 - pacs.007 SCT
 - camt.056 SCT
 - camt.019 SCT
 - camt.027 SCT
 - camt.087 SCT
 - pacs.028 SCT
 - camt.029 SCT
 - camt.029 SCT Inq
 - pacs.003 SDD
 - pacs.004 SDD
 - pacs.002 SDD
 - pacs.007 SDD
 - camt.056 SDD
 - pain.001

- pain.002
 - pain.008
4. If you are upgrading during the cutover period 17th-18th March 2024 (or later for DB), review the special cases outlined in the **Cutover** sections in this guide and make any necessary preparations.
 5. Review and, if required, for newly added fields in the applicable message types, activate the corresponding entries in the CODE_SDS_MSG_FLD.% (CODE TAB) sources.
 6. Review and, if required, instate order validation for any incoming payments that generate an outgoing pacs.003 to ensure neither the MndtId or OrgnlMndtId values contain leading or trailing spaces.

7.9.1 Result

The SEPA implementation is up to date for March 2024.