

SWIFT / SIC / PostFinance / SECOM / SEPA 2020

Customization Upgrade Guide
Release Independent
Banking Map Module: Settlement

Latest version of this document

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Version History

Version / Date	Section	Description of the change
Release Independent v0 / 14 August 2020		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, SECOM and SEPA in November 2020.

This is intended for customization specialists.

Further Reading

For more information, read the following:

<i>SWIFT Release 2020 - Business User Guide (doc. ID: 1420)</i>	Provides information about the SWIFT Standards MT release in November 2020.
<i>SIC Release 4.7 - November 2020 - Business User Guide (doc. ID: 2140)</i>	Provides an overview of the changes in Avaloq Core regarding SIC Release 4.7.
<i>SECOM Releases 2020 - Business User Guide (doc. ID: 1421)</i>	Provides a collection of all changes and modifications in Avaloq related to the SECOM release upgrades in 2020.
<i>SEPA Release 2020 - Business User Guide (doc. ID: 1422)</i>	Provides an overview of the changes in Avaloq Core regarding the SEPA update that takes effect on 22 November 2020.

Table 1: Further reading

2 Customization Upgrade November 2020

2.1 Checklist for November 2020

This section serves as an overview for necessary upgrade steps in November 2020.

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\$sss20".	<input type="checkbox"/>
Check / adapt your CSS in accordance with the changes to the SWIFT messages listed in "Upgrading SWIFT MT for November 2020" on page 4 .	<input type="checkbox"/>
For more information, see <i>SWIFT Release 2020 - Business User Guide</i> (doc. ID: 1420).	
After upgrade	
Upload the Bank Directory Plus directory.	<input type="checkbox"/>

Table 2: Migration checklist SWIFT (November 2020)

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\$sss20".	<input type="checkbox"/>
Review any existing customization for outgoing ESRPMT pacs.008 messages to ensure that it is compatible with the 2020 specification.	<input type="checkbox"/>
Review any existing customization for outgoing Salary Payment (SLRPMT) pacs.008 messages to ensure that it is compatible with the 2020 specification.	<input type="checkbox"/>
Review any existing customization for outgoing pacs.004 messages to ensure that it is compatible with the 2020 specification.	<input type="checkbox"/>
Review any existing customization for the mapping of the ISR Reference for incoming pacs.004 messages to ensure that it is compatible with the 2020 specification.	<input type="checkbox"/>
Review any existing customization relating to camt.029 messages to ensure that it is compatible with the new camt.029.001.03.ch.02 schema of the 2020 specification.	<input type="checkbox"/>

Table 3: Migration checklist SIC (November 2020)

SEPA

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 SEPA network, set the <code>netw_release_id</code> item of the <code>avq.msg.swift</code> base parameter to "swift\$sss20".	<input type="checkbox"/>

Table 4: Migration checklist SEPA (November 2020)

3 SWIFT MT Customization Upgrade November 2020

3.1 SWIFT MT Changes for November 2020

The following sections describe the changes you must make to your SWIFT MT implementation for the SWIFT MT 2020 release.

For more information about kernel changes made to comply with the latest SWIFT specification, see *SWIFT Release 2020 - Business User Guide (doc. ID: 1420)*.

3.1.1 SWIFT MT Modified Avaloq Constructs November 2020

The following constructs were modified:

Construct	Description
Network Structure: SWIFT4	New tags added: 41F, 41G Names of tags changed: 49H, 49N

Table 5: Modified Avaloq constructs for SWIFT November 2020

3.2 Upgrading SWIFT MT for November 2020

To keep up to date with the SWIFT MT 2020 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 2020 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 2020, you must set the `netw_release_id` item of the `avq.msg.swift` base parameter to "swift\$sss20" 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\$sss20".
2. Check your CSS for the following messages types. Some fields have been set to obsolete and have been replaced by new fields. See ["SWIFT MT Modified Avaloq Constructs November 2020" on the previous page](#) for details. Additionally, ensure you read *SWIFT Release 2020 - Business User Guide (doc. ID: 1420)*.
 - MT103 Single Customer Credit Transfer
 - MT103 STP Single Customer Credit Transfer
 - MT202 COV General Financial Institution Transfer
 - MT205 COV Financial Institution Transfer Execution
 - MT210 Notice to Receive
 - MT300 Foreign Exchange Confirmation
 - MT304 Advice/Instruction of a Third Party Deal
 - MT305 Foreign Currency Option Confirmation
 - MT306 Foreign Currency Option Confirmation
 - MT340 Forward Rate Agreement Confirmation
 - MT341 Forward Rate Agreement Settlement Confirmation
 - MT360 Single Currency Interest Rate Derivative Confirmation
 - MT361 Cross Currency Interest Rate Swap Confirmation
 - MT508 Intra-Position Advice
 - MT530 Transaction Processing Command
 - MT536 Statement of Transactions
 - MT537 Statement of Pending Transactions
 - MT538 Statement of Intra-Position Advices
 - MT548 Settlement Status and Processing Advice
 - MT564 Corporate Action Notification
 - MT565 Corporate Action Instruction
 - MT566 Corporate Action Confirmation
 - MT567 Corporate Action Status and Processing Advice
 - MT568 Corporate Action Narrative
 - MT575 Report of Combined Activity
 - MT586 Statement of Settlement Allegements
 - MT600 Commodity Trade Confirmation

- MT601 Commodity Option Confirmation
- MT700 Issue of a Documentary Credit
- MT707 Amendment to a Documentary Credit
- MT708 Amendment to a Documentary Credit
- MT710 Advice of a Third Bank's or a Non-Bank's Documentary Credit
- MT720 Transfer of a Documentary Credit
- MT734 Advice of Refusal
- MT754 Advice of Payment / Acceptance / Negotiation
- MT756 Advice of Reimbursement or Payment
- MT760 Guarantee/Standby Letter of Credit
- MT767 Guarantee/Standby Letter of Credit Amendment
- MT768 Acknowledgement of a Guarantee/Standby Message
- MT769 Advice of Reduction or Release

3.2.3 Result

The SWIFT MT implementation is up to date.

4 PostFinance Customization Upgrade November 2020

4.1 PostFinance Changes for November 2020

No kernel changes are delivered for the PostFinance network. To keep your system current for the PostFinance November 2020 update, review the official specification and modify the relevant customization sources if required.

5 SIC Customization Upgrade November 2020

5.1 SIC Changes for November 2020

For information about the changes that Avaloq has implemented in kernel code to comply with the latest SIC specifications, see *SIC Release 4.7 - November 2020 - Business User Guide* (doc. ID: 2140).

5.2 Upgrading SIC for November 2020

To keep up to date with the SIC 2019 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 2020 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 4.7 (November 2020), you must set the `netw_release_id` item of the `avq.msg.swift` base parameter to "swift\$sss20" 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\$sss20".
2. Review any existing customization for the filling of the `<DbtrAgt>` and `<InstgAgt>` elements for outgoing ESRPMT pacs.008 messages to ensure that it is compatible with the 2020 specification.
3. Review any existing customization for outgoing Salary Payment (SLRPMT) pacs.008 messages to ensure that the `<PmtTpInf/LclInstrm/Prtry>` element is no longer filled and is therefore compatible with the 2020 specification.
4. Review any existing customization for outgoing pacs.004 messages to ensure that it is compatible with the 2020 specification as follows:

- ISR references are mapped correctly
 - UETR maps to <OrgnlInstrId>
5. Review any existing customization for the mapping of the ISR Reference for incoming pacs.004 messages to ensure that it is compatible with the 2020 specification.
 6. Review any existing customization relating to camt.029 messages to ensure that it is compatible with the new camt.029.001.03.ch.02 schema of the 2020 specification.

5.2.3 Result

The SIC⁴ implementation is up-to-date.

6 SECOM Customization Upgrade November 2020

6.1 SECOM Changes for November 2020

No kernel changes are delivered for the SECOM network. To keep your system current for the SECOM November 2020 update, review the official specification and modify the relevant customization sources if required.

For information on the customization changes required to comply with the latest SECOM specification update, see *SECOM Releases 2020 - Business User Guide (doc. ID: 1421)*.

7 SEPA Customization Upgrade November 2020

No kernel changes are delivered for any SEPA clearers for 2020. To keep your system current, review the official specification and modify the relevant customization sources if required.

A number of future updates have been announced for the DFÜ clearer. For more information, see *SEPA Release 2020 - Business User Guide (doc. ID: 1422)*.