

# ISO 20022 Community Readiness Deck



December 2023

## Agenda

Timeline, Scope and Readiness

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In-Flow Translation

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Rich Data

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Resources

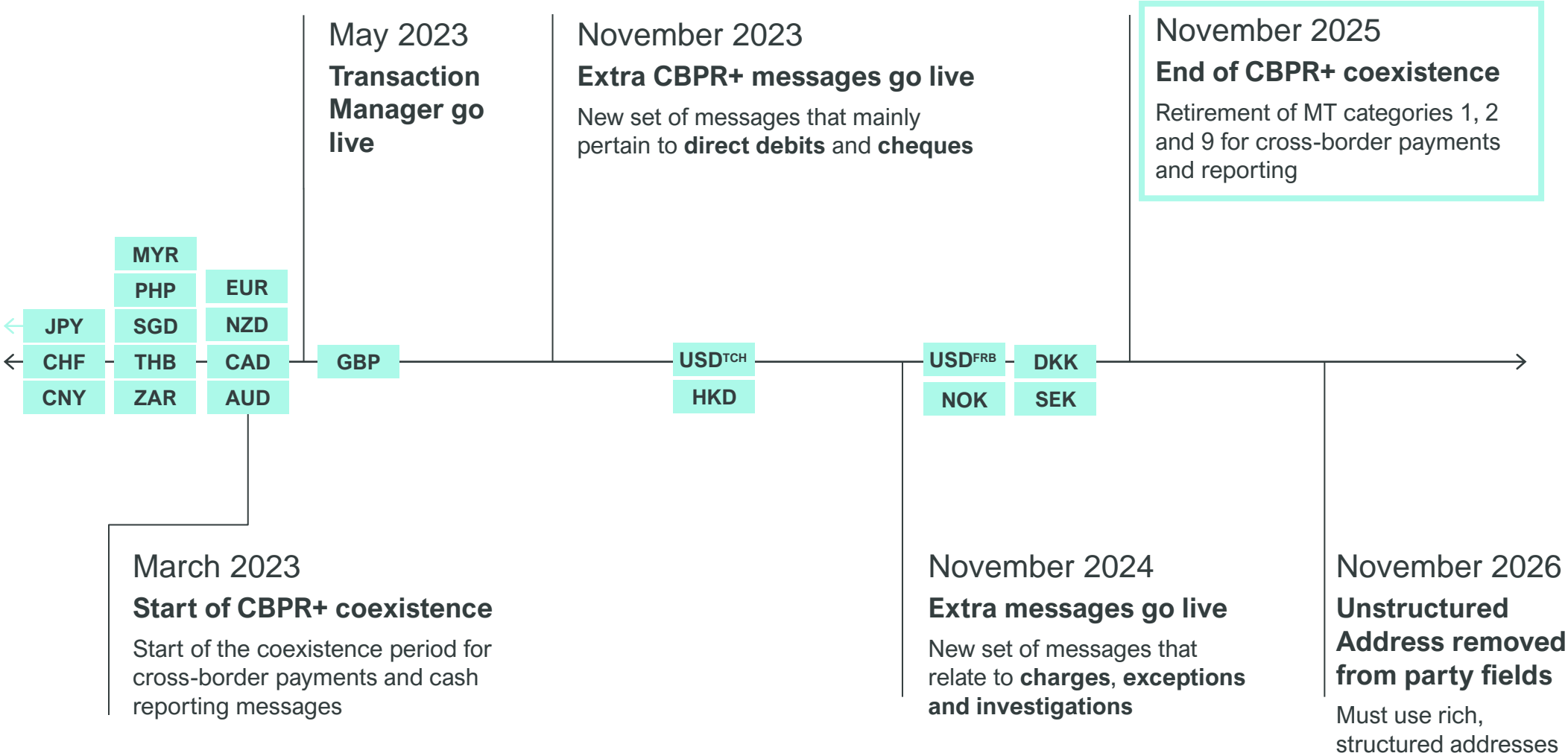
[Go to section](#)

# Timeline, Scope and Readiness

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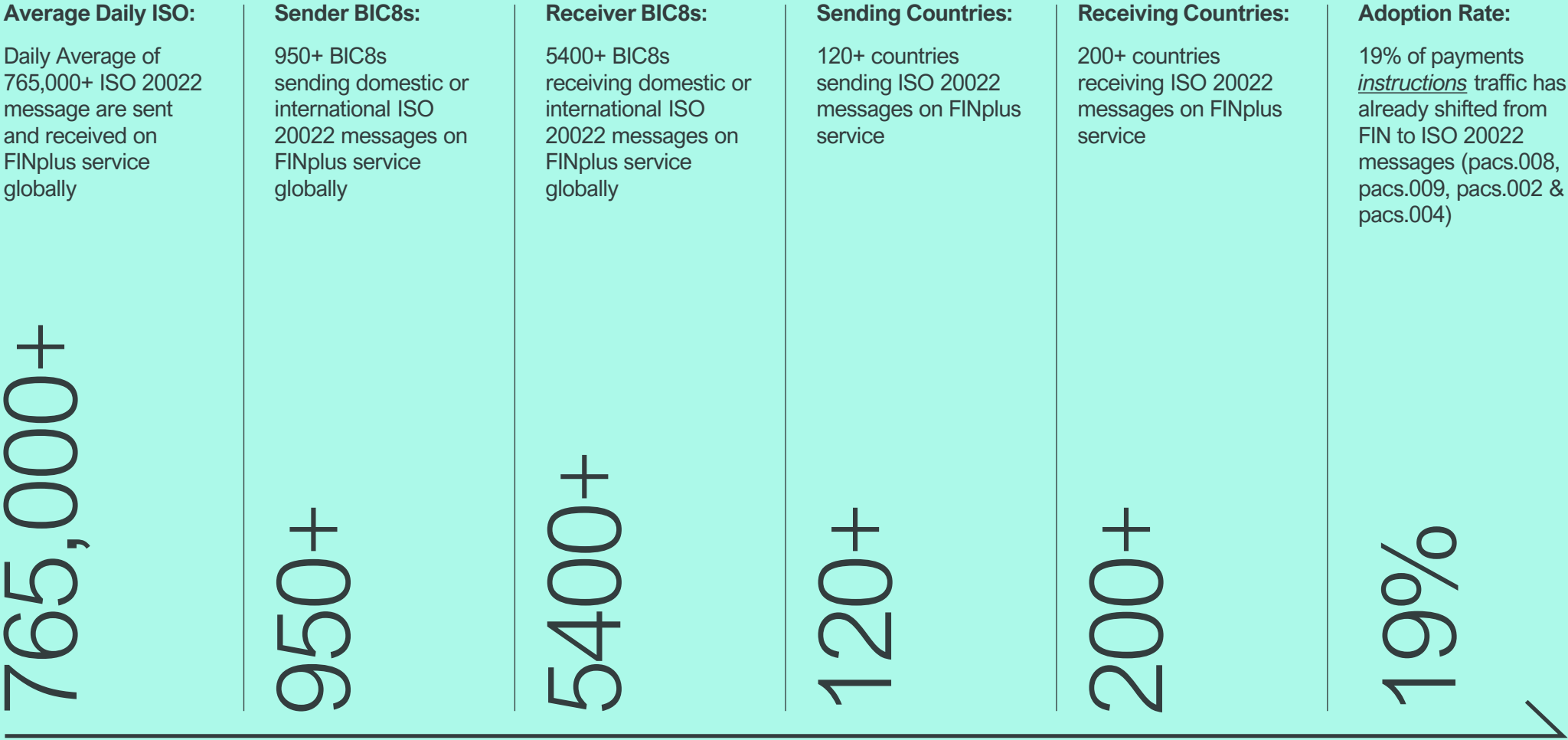
# ISO 20022 for CBPR+ and coexistence roadmap



Highlights on CBPR+  
November 1<sup>st</sup>, 2023 – November 30<sup>th</sup>, 2023

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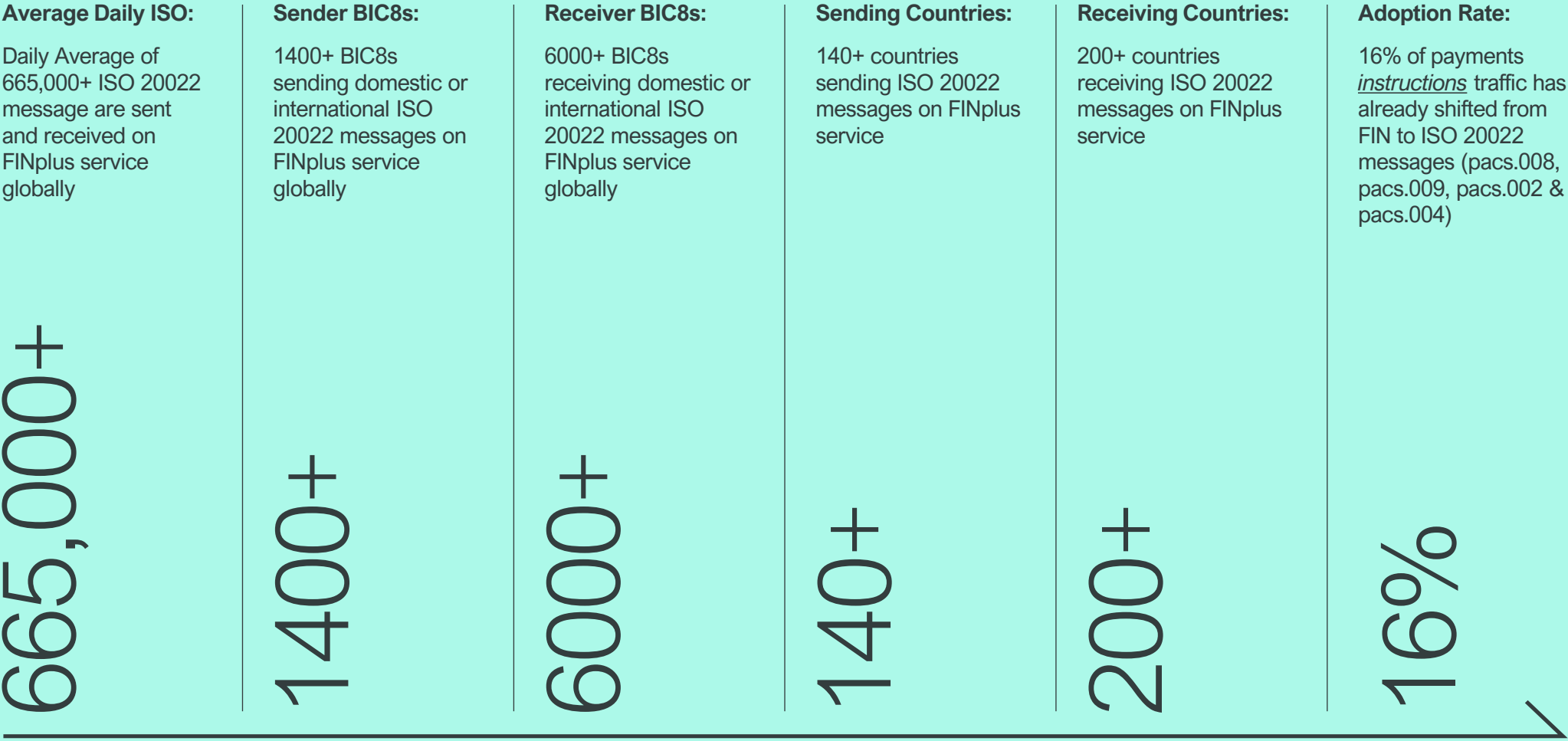
Source:  
Swift Watch  
Analytics



Highlights on CBPR+  
March 18<sup>th</sup>, 2023 – November 30<sup>th</sup>, 2023

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Source:  
Swift Watch  
Analytics



**If you are in a state of partial readiness or non-readiness following the March 2023 go-live, please take corrective actions as soon as possible.**

**Set up your FINplus connectivity**

[Customer Adoption Guide](#)

**Configure your messaging interface for the receipt and handling of FINplus messages**

[Customer Adoption Guide](#)

**Test (self-testing, testing with SWIFT, Community Testing)**

[Customer Testing  
Guidelines](#)

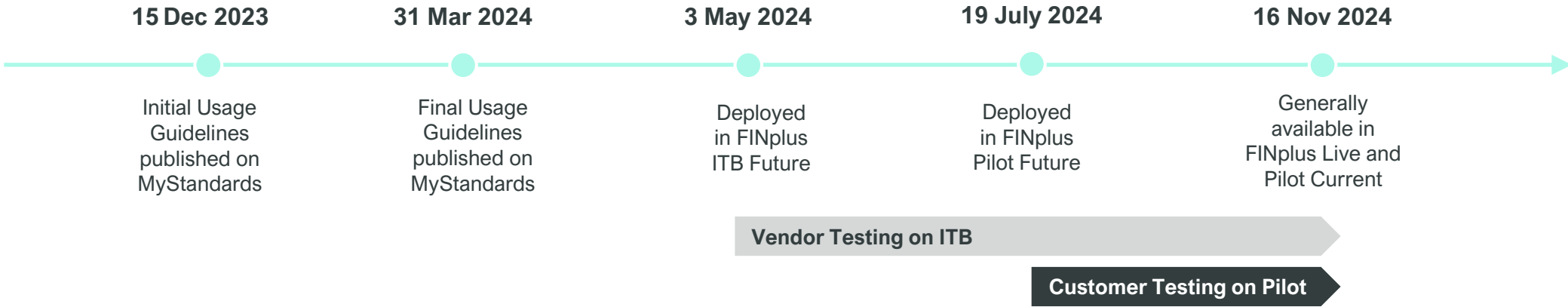
**Set up your FINplus RMA authorizations**

[RMA Portal  
Getting Started Guide](#)

**Promote your connectivity and configuration, and start exchanges on the FINplus live service**

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# CBPR+ release of November 2024 – Deployment plan



Following will be published along with the final Usage Guidelines:

- CBPR+ User Handbook SR 2024
- MX/MT equivalence table

Readiness portals:

- Readiness Portal
- Vendor Readiness Portal

Scope			
camt.105.001.02	ChargesPaymentNotification	MT 190 / MT 290	In-flow
camt.105.001.02	ChargesPaymentNotification_MultipleCharges	MT 190 / MT 290	-
camt.106.001.02	ChargesPaymentRequest	MT 191 / MT 291	In-flow
camt.106.001.02	ChargesPaymentRequest_MultipleCharges	MT 191 / MT 291	-

Please note that there are 2 Usage Guidelines for camt.105 and camt.106 each as shown in the table above. In-flow translation will NOT be available for a multiple charges UGs for camt.105 and camt.106.

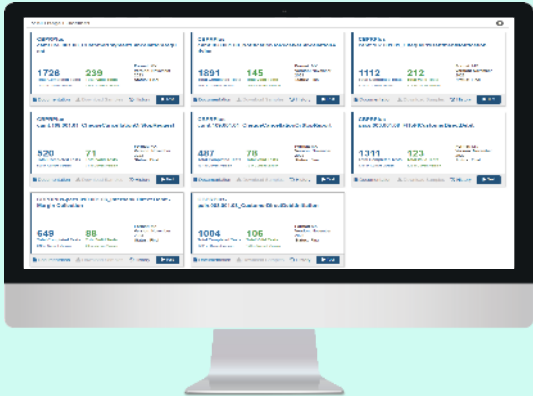


Resources available to support more testing

If you want to learn more about the Test Sparring Partner, make sure to watch the recorded [deep dive session](#).

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Self-Testing

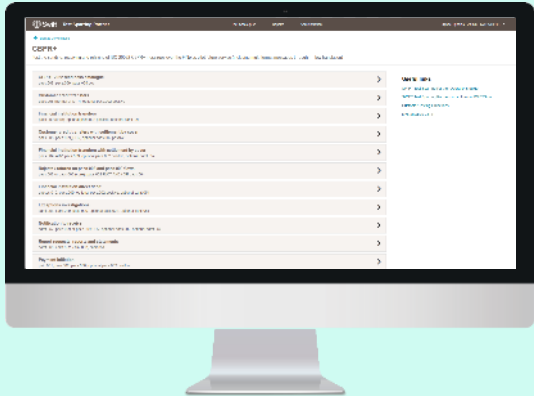


The Readiness Portal allows to test the validity of your messages against the CBPR+ Usage Guidelines.

The Translation Portal helps you learning about the CBPR+ Translation Rules.

[LINK MYSTANDARDS](#)

Testing with Swift

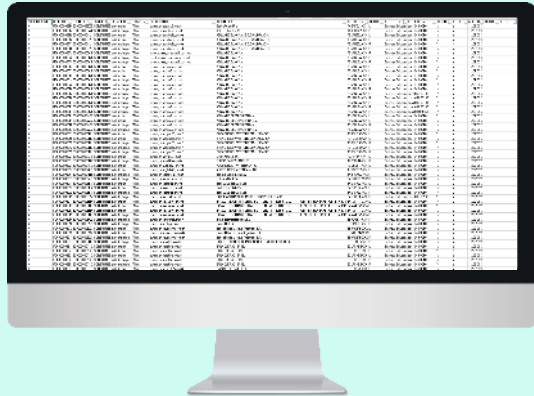


The Test Sparring Partner offers catalogues to test all CBPR+ messages available on the FINplus Pilot service (*Future only*).

Its universal version is available to all FINplus participants.

[LINK TEST SPARRING PARTNER](#)

Community Testing



The ISO 2022 Readiness Directory lists BICs who successfully sent and received CBPR+ messages over the various FINplus services.

Use it to identify counterparties for testing. The daily file is refreshed every Wednesday.

[LINK READINESS DIRECTORY](#)

## Am I impacted?

In November 2025, cross-border payments and reporting traffic shall have migrated to the ISO 20022 format and Categories 1, 2 and 9 of MT messages will be **retired**.

That will mark the end of the co-existence period.

There are **SOME** exceptions...

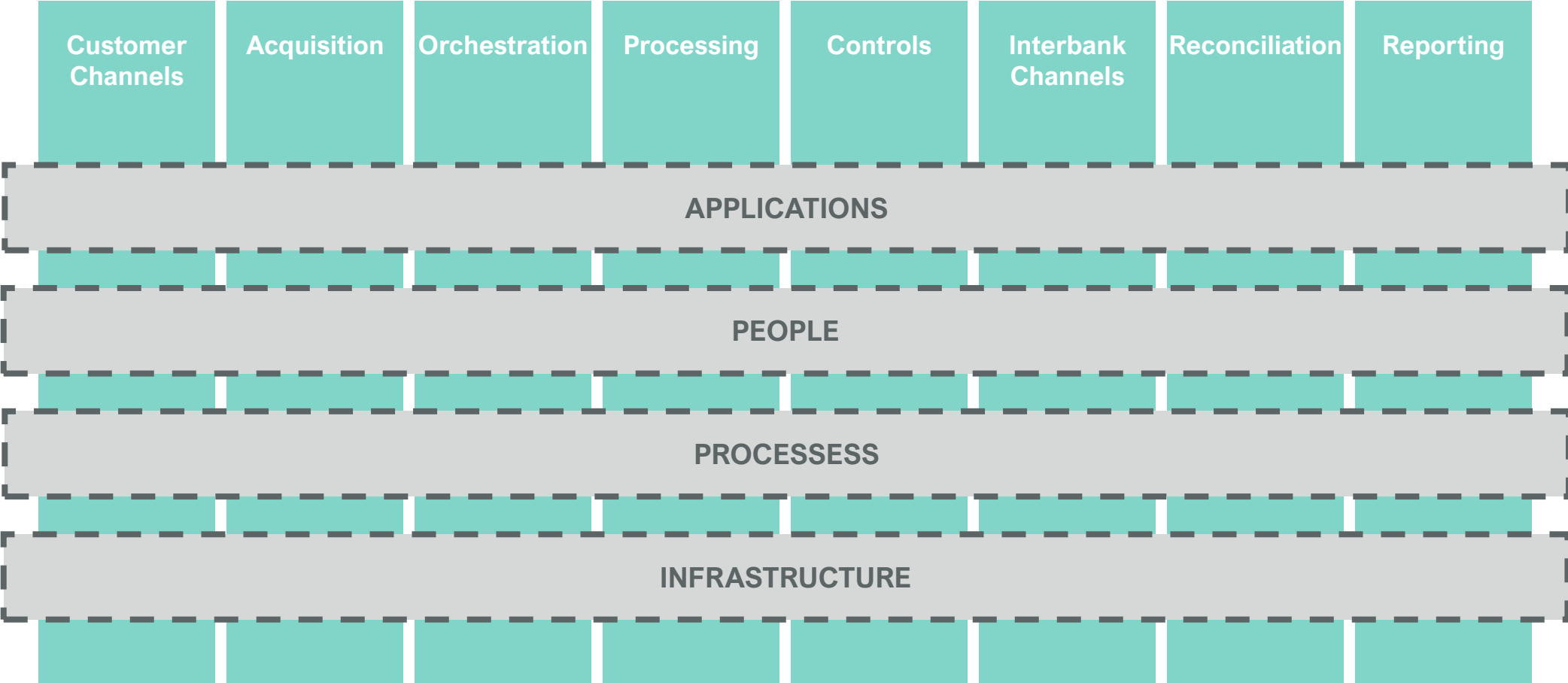
- Message exchanges in the **SCORE** service will continue as they are for the foreseeable future
- **Closed User Groups** operated by non-SWIFT entities will continue as they are for the foreseeable future

But **YES, you almost certainly ARE affected.** And you need to assess the impact, if you have not already done so



Native adoption of ISO 20022 has vast implications: plan for the end of coexistence now!

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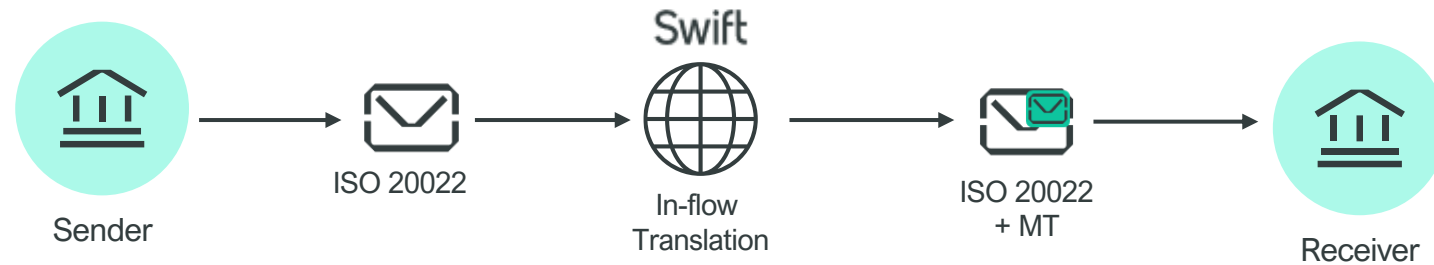


# In-Flow Translation

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## In-flow Translation service to ensure interoperability during coexistence



### WHAT

- SWIFT creates an MT representation derived from the ISO 20022, containing equivalent data fields.
- Always from ISO 20022 to MT, based on CBPR+ translation rules.
- Cases where data has been truncated are explicitly indicated.
- Key interoperability measure to support migration of cross-border payments and cash reporting to ISO 20022 - Senders can send ISO 20022 to any bank; receivers can process as MT if not ready for ISO 20022

### HOW

- Translation happens during the processing of the message at SWIFT, before delivery to the receiver.
- Delivered as a "multi-format" MX message: same message containing both the original ISO 20022 MX and the translated MT.
- Built in to FINplus messaging service and switched on by default for eligible messages. All users will be provisioned in FINplus (live service) automatically
- Additional signature to ensure integrity of the translation.

## Multi-format MX message – Translated MT

MT is embedded as 3 XML comments added by SWIFT

1. **Translated MT** (carried within the “RequestPayload” element)
2. **Overall translation result**
3. **Translation info and, including list of truncated fields, if any.**



### 1. Translated MT :

- Translated MT carried within the RequestPayload element
- Truncated fields contain as last character a “+” (**plus**). As the the ISO 2022 message is rich and structured, truncation may occur during translation to MT
- Any character not allowed in limited FIN character set in MT replaced by a “.” (**dot**).

```
<SwInt:RequestPayload>
  <BAH:Document xmlns:BAH="urn:iso:std:iso:20022:tech:xsd:head.001.001.02">
    <BAH:AppHdr>
      .
      .
      .
    </BAH:AppHdr>
  </BAH:Document>
  <UG:Document xmlns:UG="urn:iso:std:iso:20022:tech:xsd:pacs.008.001.08">
    <UG:FIToFICstmrCdtTrf>
      <UG:GrpHdr>
        <UG:MsgId>ABCD12345</UG:MsgId>
        <UG:CreDtTm>9999-12-31T00:00:00+00:00</UG:CreDtTm>
        <UG:NbOfTx>1</UG:NbOfTx>
        <UG:SttlmInf>
          <UG:SttlmMtd>INDA</UG:SttlmMtd>
        </UG:SttlmInf>
        <UG:InstgAgt>
          <UG:FinInstnId>
            <UG:BICFI>BANKUS33</UG:BICFI>
          </UG:FinInstnId>
        </UG:InstgAgt>
        <UG:InstdAgt>
          <UG:FinInstnId>
            <UG:BICFI>BANKDEFF</UG:BICFI>
          </UG:FinInstnId>
        </UG:InstdAgt>
      </UG:GrpHdr>
      <UG:CdtTrfTxInf>
        <UG:PmtId>
          .
          .
          .
          <UG:InstrId>1111</UG:InstrId>
        </UG:CdtTrfTxInf>
      </UG:FIToFICstmrCdtTrf>
    </UG:Document>
  <!-- {1:F01BANKGB22XXXX0000000000}
        {2:01031616191205BANKUS33X33MIA00000000001912051616N}
        {3:{121:677e9eb2-b7a6-4dfc-a6df-53d2891b2468}}
        {4:~:20:1111~:23B:CRED~:32A:190817US~:50F:/12345~1/NAME DEBTOR~2/HighStreet,55~3/US/
        Manhattan~:52A:BANKUS33MIA~:57A:BANKGB22~:59A:FOMOUS33~:70:/ROC/REF12345ABC~:71A:SHA~} -->
  <!-- TranslationResult=TROK -->
  <!-- TranslationInfo version 1.0.0.1 -->
</SwInt:RequestPayload>
```

FOR ILLUSTRATION

ISO 2022 message

1. Translated MT

2. Translation result

3. Translation Info

## Multi-format MX message – Overall Translation result

MT is embedded as 3 XML comments added by SWIFT

1. Translated MT (carried within the “RequestPayload” element)
2. Overall translation result
3. Translation info and, including list of truncated fields, if any.



### 2. Overall translation result:

- TROK – MX translated to MT without any errors
- TRAK – Some MX elements not in the MT, translation OK (Available in Q2 2022)
- TRNR – Truncation or character replacement in non-reference field(s)
- TRFR – Truncation of character replacement in reference field(s)
- TRNK – Failure to translate

FOR ILLUSTRATION

```
<SwInt:RequestPayload>
  <BAH:Document xmlns:BAH="urn:iso:std:iso:20022:tech:xsd:head.001.001.02">
    <BAH:AppHdr>
      .
      .
      .
    </BAH:AppHdr>
  </BAH:Document>
  <UG:Document xmlns:UG="urn:iso:std:iso:20022:tech:xsd:pacs.008.001.08">
    <UG:FIToFICstmrCdtTrf>
      <UG:GrpHdr>
        <UG:MsgId>ABCD12345</UG:MsgId>
        <UG:CreDtTm>9999-12-31T00:00:00+00:00</UG:CreDtTm>
        <UG:NbOfTx>1</UG:NbOfTx>
        <UG:SttlmInf>
          <UG:SttlmMtd>INDA</UG:SttlmMtd>
        </UG:SttlmInf>
        <UG:InstgAgt>
          <UG:FinInstnId>
            <UG:BICFI>BANKUS33</UG:BICFI>
          </UG:FinInstnId>
        </UG:InstgAgt>
        <UG:InstdAgt>
          <UG:FinInstnId>
            <UG:BICFI>BANKDEFF</UG:BICFI>
          </UG:FinInstnId>
        </UG:InstdAgt>
      </UG:GrpHdr>
      <UG:CdtTrfTxInf>
        <UG:PmtId>
          .
          .
          .
        <UG:InstrId>1111</UG:InstrId>
      </UG:CdtTrfTxInf>
    </UG:FIToFICstmrCdtTrf>
  </UG:Document>
  <!-- {1:F01BANKGB22XXXX0000000000}
        {2:01031616191205BANKUS33XMA00000000001912051616N}
        {3:{121:677e9eb2-b7a6-4dfc-a6df-53d2891b24
        {4:~:20:1111~:23B:CRED~:32A:190817USD10
Manhattan~:52A:BANKUS33MIA~:57A:BANKGB22~:59A:FOMOUS33~
  <!-- TranslationResult=TROK -->
  <!-- TranslationInfo version 1.0.0.1 -->
</SwInt:RequestPayload>
```

ISO 2022 message

1. Translated MT

2. Overall Translation result

3. Translation Info

## Multi-format MX message – Translation Information

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### 3. Translation Information:

For each element with an issue in translation, detailed information:

- **3.1 Code** – MXMT Translation result type (Element level)
- **3.2 Message**
  - **Category** – Severity of the issue
    - **TRUNC\_N** – Truncation in a non-reference field, or missing
    - **TRUNC\_R** – Truncation in a reference-field, or missing
    - **WARNING** – Condition
    - **FAILURE** – Fatal error, translation stopped
  - **Error Code** – e.g. T0000T (Refer Appendix B of [Inflow Translation Service overview](#) for complete list)
  - **Short Description** – Description of the issue
- **3.3 Path** – Path of the impacted element

For detailed explanations please consult the [In-flow Translation Service Overview](#)

```
<!--
{1:F01CCLAUS30XIFT0000000000}{2:O2021626220112CCLAUS30XIFT00000000002201121626N
}{3:{121:9d96eb82-07a0-4dbf-be11-ad0b81c21f4a}}{4:~:20:instrpacs009-
001^~:21:e2eidentificati+^~:32A:220110EUR5678,^~:52A:CCLAUS33^~:58A:CCLAUS33^~
}{5:{CHK:BF2EA40CE21C}{TNG:}} -->
```

<!-- TranslationResult=TRFR -->

<!-- TranslationInfo version 1.0.0.1

```
{
  "errors": [
    {
      "code": "TRFR",
      "message": "TRUNC_R.T0000T Field content has been truncated.\r\nValue
'e2eidentificationpacs009-001-120122' has been altered.",
      "path": "MT202/Block4/RelatedReference"
    }
  ]
}
```

3. Translation Information

All translation errors or warnings

3.1 Code

3.2 Message: Category.Error code Short description

3.3 Path



Decide on how you want to process the 5 in-flow translation result codes

|      |   |
|------|---|
| TROK | Successfully translated without any errors based on CBPR+ translation rules |
| TRAK | Successfully translated but not all ISO 20022 elements translated to MT     |
| TRFR | Truncation or character replacement for 'Reference fields'                  |
| TRNR | Truncation or character replacement for 'Non-Reference fields'              |
| TRNK | Could not be translated based on CBPR+ translation rules                    |



# How to manage your in-flow translation configuration?

[Link to e-order form](#)

Preferred implementation date

Implementations always occur during the weekly general maintenance period between Saturday 05:00 GMT and Sunday 05:00 GMT. The earliest possible implementation of an order that is validated by SWIFT as being correct and duly approved by the Service Administrator, is the second weekend following the date of submission. A later weekend can be specified.  
In case of first subscription to a SWIFTNet service, the implementation date should concur with the next planned BIC directory publication date.

Preferred implementation date Saturday April 29 2023

2.01

Configuration

The Inflow translation configuration will be applied to the selected BICs.  
In order to configure it: 1. Select the service(s) 2. Select between the 2 options "Bulk update" or "Update by request type" 3. Select "Enable" or "Disable"

Service to update

☐ FINPlus Pilot Future

Service to update

☐ FINPlus Pilot Current

Service to update

☐ FINPlus Live

Bulk update

☐ All eligible request types

Enabled

Disabled

Bulk update

☐ All eligible request types

Enabled

Disabled

Bulk update

☐ All eligible request types

Enabled

Disabled

Update by request type

camt.020

camt.052

camt.053

camt.054

camt.055

camt.057

pacs.002

pacs.004

pacs.008

pacs.008\_STP

pacs.008\_GO

pacs.009

pacs.009\_ADV

pacs.009\_COV

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Update by request type

camt.020

camt.052

camt.053

camt.054

camt.055

camt.057

pacs.002

pacs.004

pacs.008

pacs.008\_STP

pacs.008\_GO

pacs.009

pacs.009\_ADV

pacs.009\_COV

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Update by request type

camt.020

camt.052

camt.053

camt.054

camt.055

camt.057

pacs.002

pacs.004

pacs.008

pacs.008\_STP

pacs.008\_GO

pacs.009

pacs.009\_ADV

pacs.009\_COV

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Bulk ordering section

Select the BICs for which you want to manage the Inflow translation (maximum 25 BICs per form)

Provisioning BIC8

Available BICs for selection

1-9

Move to right >>>

<<< Move to left

Select All

De-Select All

Selected BICs

Select All

De-Select All

4.01

Select the implementation weekend.

*Note – Standard provisioning lead times apply.*

In-flow translation is enabled by default for all BIC8s. This section allows to define the configuration to be applied per FINplus service.

You can request at the same time changes to one or multiple FINplus services.

Use the bulk option to fully enable / disable in-flow translation or define a more granular configuration by enabling / disabling specific request types.

Select the BIC8(s) for which you want the in-flow configuration to be updated to what was specified above.

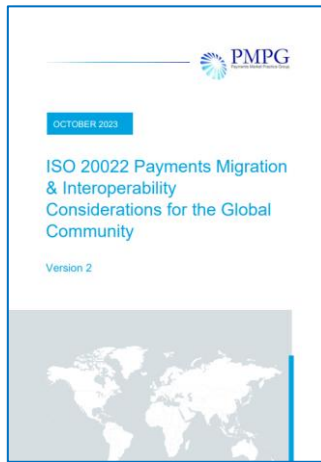
# Rich Data

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## Market Practice Guidelines on the usage of rich and structured data elements for cross-border payments

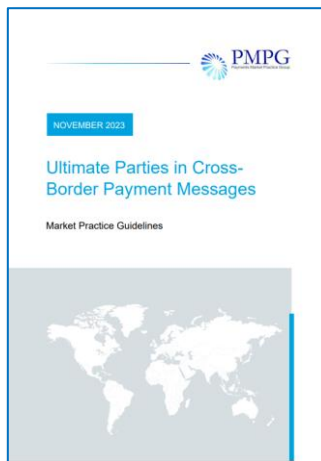
[Visit the PMPG pages  
on swift.com](https://www.swift.com/pmpg)



Updated October 2023, following start of coexistence and completion of Transaction Manager ramp-up

***“With Transaction Manager safeguarding the end-to-end data integrity, customers can now leverage the full potential of ISO 20022 and start sending ‘enhanced’ data”***

[Link to full document](#)



Set of papers published from November 2023 onwards

***Guidelines on the provision of***

- ***Ultimate Parties***
- ***Regulatory Reporting***
- ***Structured Remittance Information***

[Link to full documents](#)

## Access to Rich Data

During the coexistence period, a rich ISO 20022 message could be followed by a legacy format, which may result in data truncation.

However, in the unlikely event rich data that has been truncated and the message carries a “+” sign to indicate truncation, there are options available for accessing this data.

| Item           | Rich Data Access  | Transaction Manager   |
|----------------|---|---|
| What           | Rich data elements from the <b>last</b> CBPR+ message exchanged over FINplus (point-to-point) | Full transaction data (including rich data elements)  |
| Scope          | Customer credit transfers (CCT)<br>MI flows (if FIN MI after a rich FINplus leg)              | Customer credit transfers (CCT) + cover<br>Financial institution transfers (FIT) + cover                |
| How            | Manually access via Tracker GUI (or Basic Tracker)  | Automatically delivered to next agent through MX; or manually access via Tracker GUI (or Basic Tracker) |
| Who can access | Sender and Receiver of the MT 103 (point-to-point)  | Receiver of the message and all agents that participate in the transaction                              |
| Availability   | Pilot: Live<br>Production: Live   | Pilot: Live<br>Production: Live   |

**In addition to the above methods, existing exception and investigation processes (MT n99s) can be used to obtain any rich data from previous intermediaries, following the guidelines defined by the CBPR+ Market Practice.**

Access to Rich Data

| Item   | Rich Data Access  | Transaction Manager   |
|--|---|---|
| Pre-requisites to access via GUI                             | Access to Tracker GUI or Basic Tracker  |   |
| RBAC roles provisioned to appropriate users                  | <p>For users that need to <b>initiate</b> requests for rich data: Update (can be combined with view roles below)</p> <p>For users that only need to <b>view</b> rich data: TMTransactionViewer AND FullViewer</p> <p><i>Note: In order to view, a request for rich data must have been initiated before</i></p> | TMTransactionViewer<br>AND<br>FullViewer, Update, TransactionViewer and/or TransactionUpdate (depending on BICs in scope which are provisioned by these roles)                                  |
| RBAC roles can be provisioned by your Swift security officer |   |   |
| Where to find more information                               | <p><a href="#">Rich Data Access Feature Overview</a></p> <p><a href="#">Case Management Service Description</a></p> <p><a href="#">Rich Data Access video on SWIFTSmart</a></p>   | <p><a href="#">Transaction Manager Service Description</a></p> <p><a href="#">Transaction Manager Operations Guide</a></p> <p><a href="#">Transaction Manager Business Processing Rules</a></p> |

# Resources

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## Supercharge your payments business with ISO 20022

[Visit the hub on swift.com](https://swift.com)

Leading financial institutions share their insights on real-world benefits of ISO 20022's rich and structured data.

### Run your business



#### Streamline financial crime compliance

Use the structured data in the ISO 20022 format, improve efficiency and free up operational teams to focus on real risks.

#### Improve exceptions and investigations

Increase operational efficiency, reduce costs and improve SLAs.

#### Simplify regulatory reporting

Improve customer experience, reduce operational and processing costs.

### Grow your business



#### Enhance customer insights

Tailor products and services to specific customer groups.

#### Build vertical value propositions

Protect your existing business, gain access to new customer segments and revenue streams.

#### Strengthen corporate treasury activities

Reduce payments friction, streamline reconciliation, increase the accuracy of cash flow forecasting, and improve working capital.

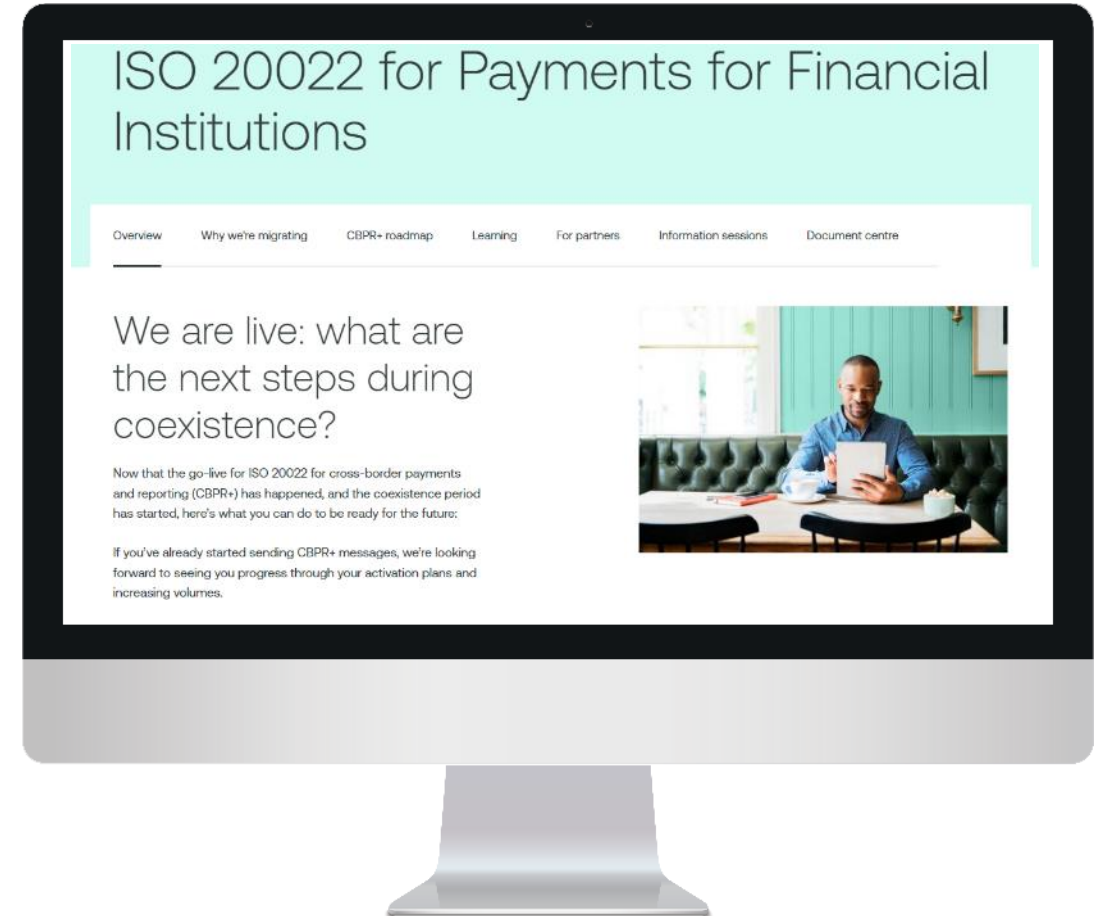


## What are the next steps during coexistence?: ISO 20022 for Payments for Financial Institutions

### Learn about ISO 20022 for payments for Financial Institutions

*Public, does not require any swift.com login*

- Overview
- Why we are migrating
- CBPR+ roadmap
- Learning
- And much more ...

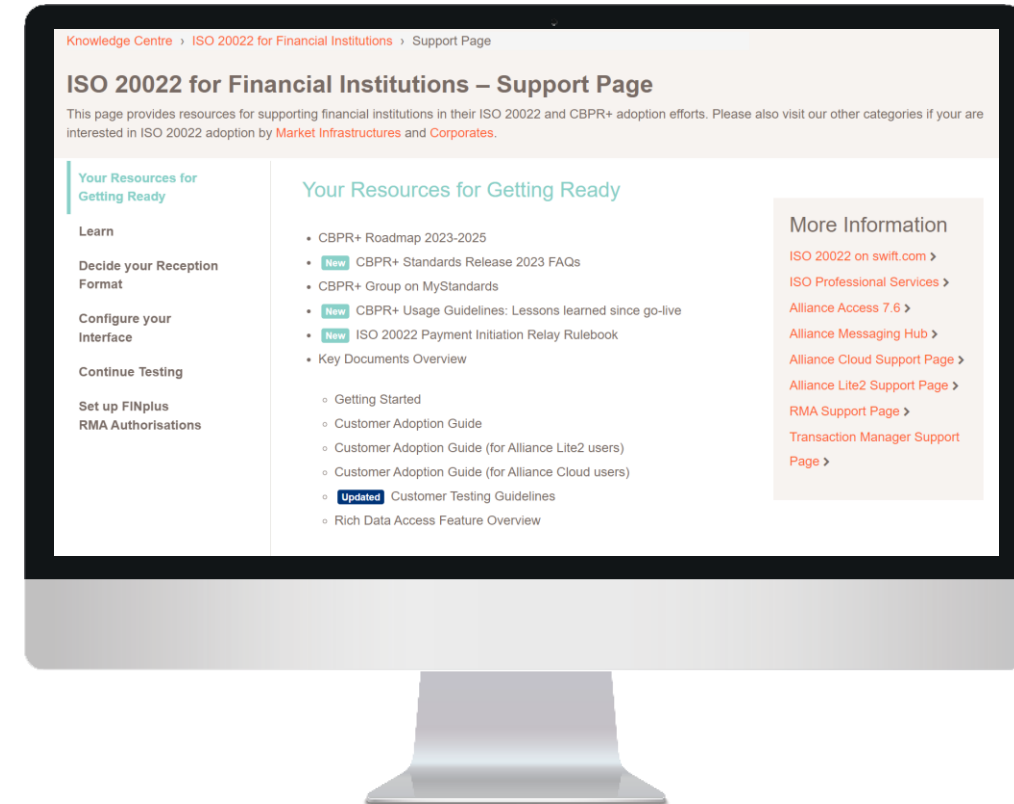


## How to dive further: 'ISO 2022 for Financial Institutions' page on the Knowledge Centre

### One-stop shop for all technical specifications

*Protected, requires swift.com login*

- Readiness Documentation
- Product Documentation
- Learning resources
- Top Knowledge Base Articles
- And much more ...



## Payable training tailored to individual needs in your workforce



### Business community training

Build your knowledge of ISO 20022 and CBPR+

- [Your Route to ISO 20022 and the CBPR+ Guidelines](#)
- [SWIFT Certified Expert – ISO 20022 and CBPR+ phase 1 messages](#)
- Introduction to Transaction Manager



### Technical community training

Understand the key principles of FINplus to adopt ISO 20022 for payments

- [Moving from FIN to FINplus](#)

See also the [Swift Training Catalogue](#) for more details and how to register.

## Multiple learning opportunities available as part of your institution's annual fee



Build your foundational knowledge of ISO 20022 for CBPR+ via the [SWIFTSmart Academy](#)

Various learning curricula covering:

- [Payments Industry](#)
- [CBPR+](#)
- [SWIFT Messaging](#)
- [FINplus](#)
- [Multi-format MX messages](#)
- [SWIFT Test Sparring Partner](#)
- [RMA Portal](#)
- [Transaction Manager](#)
- [And many others](#)

[ISO 20022 Adoption Briefing Videos](#)

Let the SWIFT experts guide you through the many standard and product-related changes that form part of ISO 20022 adoption

## You need to act now

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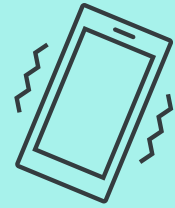
Time to adopt

...and test!



Resources

Collaterals, articles,  
Upcoming and  
recorded webinars



Get in touch

Contact your  
local SWIFT  
representative