

# SWIFT ISO 20022 MIGRATION

Update and Next Milestones

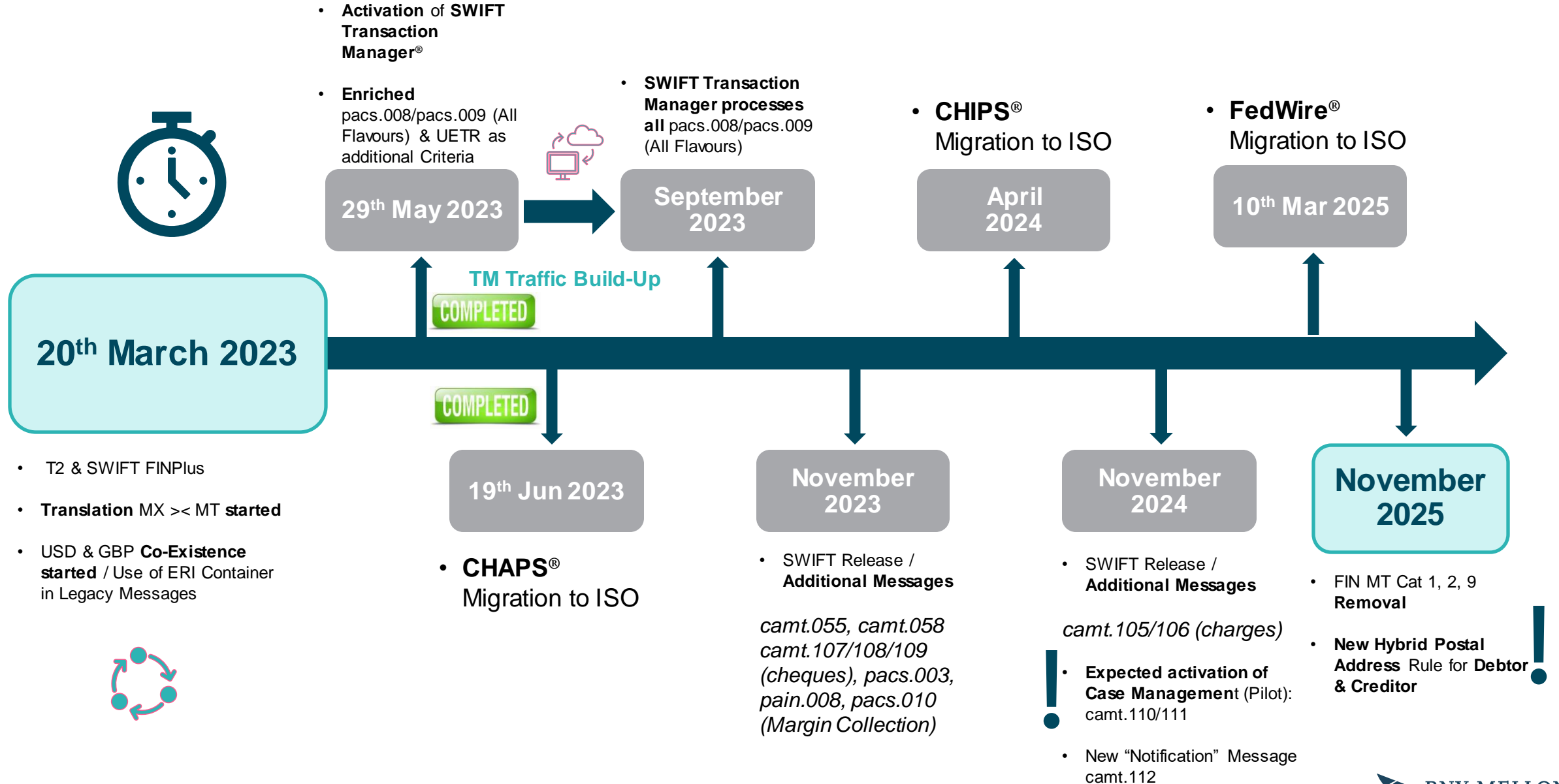


*ISO20022 Migration:  
Key Learnings and Best Practices*

6 July 2023

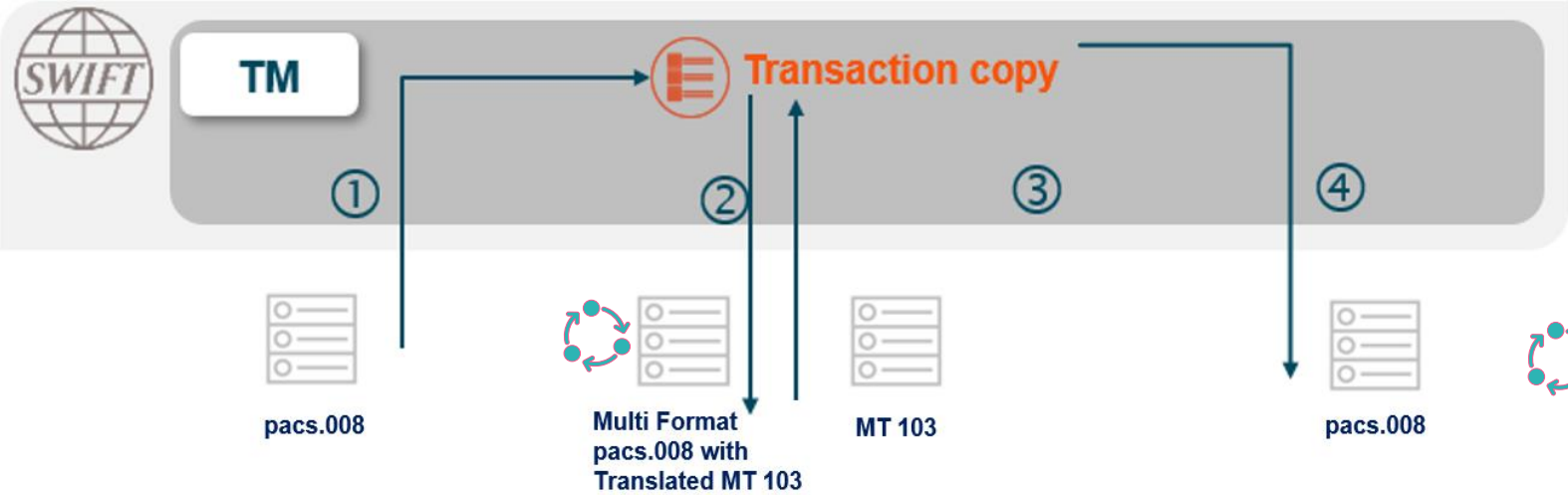


# Next Key Milestones



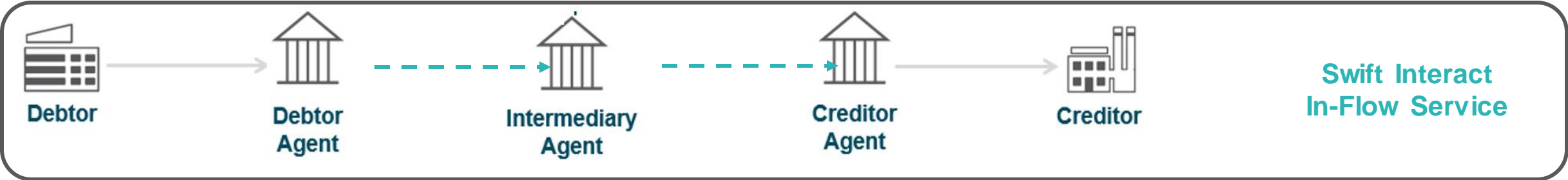
# Swift Model since 29 May 2023

Transaction Manager:  
pacs.008 and pacs.009  
(Enriched)



### Transaction Manager Processing Status

- Successfully Processed
- By-Passed
- Abort (xsys.012)



# Transaction Manager Comes with a set of Element Integrity Rules

**Locked** - Changes to the data element are discarded, and the original data is kept.

- When a locked data element is present in the first payment leg, Transaction Manager discards any attempt to amend or omit that data element (even when optional) by an intermediary agent and maintains the original data element in the Transaction Copy.
- It also means that, if data is not provided in a locked data element for the first message processed by Transaction Manager, it cannot be added based on data provided in messages from any subsequent agents.

**Synchronised** - Transaction Manager ensures the synchronisation of specific data elements in the advice and cover messages.

- **Cover message** - Transaction Manager validates the underlying Customer Credit Transfer details in a pacs.009 COV with the Transaction Copy. If there is any difference, Transaction Manager keeps the original data element of the advice flow in the Transaction Copy and synchronises it with the related data element in all cover legs.
- **Advice message** - It is possible to change the routing of the cover messages to include different correspondents when compared to the originally anticipated correspondents. In an unusual sequence scenario where Transaction Manager processes the cover messages first and then processes the advice message (pacs.008 or pacs.009 ADV), the reimbursement agents are updated in the advice based on the path of the related cover message(s).

**Conditionally editable** - The data element can be changed under specific circumstances.

- When a conditionally editable data element is present, Transaction Manager can only allow the data element to be changed under specific circumstances (for example, if the data element has a higher quality because it uses a structured option while the original data element was free text). If the sender has made changes to a conditionally editable data element, then Transaction Manager either accepts or discards the updates and re-instates the original transaction data dependent on the data integrity rules applicable to the scenario.

**Editable** - The data element can be changed.

# Transaction Manager Comes with 3 processing Statuses (Release 1)

Processed	Aborted	By-Passed
<p>Status available in the specific descriptor element <code>&lt;Sw:TRD&gt;</code> in the <code>&lt;SwInt:RequestDescriptor&gt;</code>.</p> <p>Example: <code>&lt;Sw:TRD&gt;TDO K&lt;/Sw:TRD&gt;</code></p> <p>→ If the <code>&lt;Sw:TRD&gt;</code> is not available, then the message was not processed by Transaction Manager.</p>	<p>Unexpected Message Type (Same sender):</p> <p>→ Advice and Cover pacs.009 Scenario only (other unexpected message scenarios will trigger a By-Pass, eg a pacs.008 to instruct a Return).</p>	<p>(*) Invalid Cover References:</p> <p>→ Instruction ID of Advice does not match End to End ID of Cover, i.e. NOTPROVIDED/ NONREF or mismatching references</p>
	<p>Missing /UDLC/ code in pacs.009 Core covering pacs.009 ADV in the Instruction for Creditor Agent/Instruction Information</p>	<p>(*) UETR Recycling based on Business rules</p> <p>→ Possibly by the SWIFT Network directly towards the end of the year (Nov 2023)</p>
	<p>Mismatch between key data elements:</p> <p>→ Eg Content mis-match between pacs.008 Advice and pacs.009 COV underlying transaction block</p>	<p>Unexpected Message Type (Same Sender or Not):</p> <p>→ Eg pacs.008 to instruct a Return</p> <p>References mis-match</p>

*(\*) From 2025, this rule will trigger an Abort message*

# Heads-up on Postal Address (TBC)

Postal Address (0..1)

- Department (0..1)
- Sub-Department (0..1)
- Street Name (0..1)
- Building Number (0..1)
- Building Name (0..1)
- Floor (0..1)
- Post Box (0..1)
- Room (0..1)
- Post Code (0..1)
- Town Name (0..1)
- Town Location Name (0..1)
- District Name (0..1)
- Country Sub-Division (0..1)
- Country (0..1)
- Address Line (0..3)

Teal data
→ mapped to MT format

Orange data
→ truncated

**From pacs.008 Usage Guidelines Rules**

- If AnyBIC is absent, then Name is mandatory
- If Postal Address is present, then Name is mandatory
- When Postal Address is used, Mandatory Town Name & Country and 2 occurrences of Address Line (optional)

MX

```

<Cntr>
<Nm> Joseph Chittenham and Christopher Englewood Family Clinic </Nm>
<PstAdr>
  <StrtNm> The New King Kamehameha Boulevard </StrtNm>
  <BldgNb> 123 </BldgNb>
  <BldgNm> Business District Tower 3 </BldgNm>
  <Flr> 25th </Flr>
  <Room> 5003 </Room>
  <PstCd> 96800 </PstCd>
  <TwnNm> Honolulu </TwnNm>
  <TwnLctnNm> Kalihi Palama </TwnLctnNm>
  <CtrySubDvsn> Hawaii </CtrySubDvsn>
  <Ctry> US </Ctry>
</PstAdr>
</Cntr>
<CntrAcct>
  <Id>
    <IBAN> BE12345678000011112222333 </IBAN>
  </Id>
</CntrAcct>
          
```

MT

```

:59F/BE12345678000011112222333
1/Joseph Chittenham and Christopher
1/Englewood Family Clinic
2/The New King Kamehameha Boulevard+
3/US/Honolulu, 98600, Hawaii, Kali+
          
```

## Structured Address (Recommended):

Mandatory Country, Town Name and recommended Postal Code + any other structured address éléments  
Address Line not allowed

## Hybrid Address:

Mandatory Country, Town Name and recommended Postal Code + any other structured address elements  
But also 2 lines of max 70 characters (Address Line)

## Unstructured Address:

3 lines of max. 35 characters (Address Line)  
No structured Address elements allowed

2023	2025 (All Actors)	2026 (All Actors)
Structured Unstructured	Structured Unstructured Hybrid	Structured Hybrid

# Pain.001 in a Relay Scenario - Rulebook Adherence

- The Rulebook adherence (e-Form) is replacement of SLMA/Customer Credit Transfer SLA **and is required between Forwarding Agent and Debtor Agent** – This will be complemented by RMA.
- The published rulebook is final and would need to go through a formal change request process in case of amendments
- There might be cases where RMA only are put in place and banks do not adhere to the Rulebook – There will be no SWIFT validation that the Rulebook has been adhered to

## Rulebook Accession

### New eForm to accede to the Rulebook (Draft)

- The eOrder user select BIC8 for accession
- Requested date of accession
- Selection of BIC8/11 for publication

BICs to publish on or to remove from the ISO20022 Payment Relay Directory

Add or remove BICs to/from the Payment Initiation Relay Directory

BICs not published on the Directory

SWHQBEBB  
SWHQBEBB039  
SWHQBEBB222

Select All De-Select All

BICs published or to publish on the Directory

SWHQBEBB  
SWHQBEBB039  
SWHQBEBB222

Select All De-Select All

4.01

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BICs added for new publication

BICs removed from publication

SWHQBEBB123

4.02

Published / to be published BICs

Select the Role(s) of Agent for ISO20022 Initiation Relay for the BICs. At least one Role has to be selected

BIC	Institution Name	City	Country	Forwarding Agent	Debtor Agent (?)	Action
SWHQBEBB	SWIFT	LA HULPE	BELGIUM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Add
SWHQBEBB039	SWIFT	LA HULPE	BELGIUM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Add
SWHQBEBB222	SWIFT	LA HULPE	BELGIUM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Remove

Terms and Conditions

You acknowledge and agree:

- by submitting the present accession form, the institution mentioned above wishes to accede to the Rulebook for an undefined term, and acknowledges and agrees that:
  - (1) the Rules contained in the Rulebook are binding and enforceable as set forth therein, and that it will comply with and be bound by the Rules set out in the Rulebook.
  - (2) by submitting the present accession form, the undersigned grants a power of attorney to SWIFT for the purposes of:
    - (i) registering the undersigned's accession to the Rulebook, and
    - (ii) notifying other Participating Agents of the undersigned's accession form by adding the Participating Agent to the published list of Participating Agents.
- the use of this e-ordering service is governed by the [Swift Ordering Service - Terms and Conditions](#).
- Swift will process any personal data it provides when using this e-ordering service in accordance with the [Swift Privacy Statement](#).

Cancel Save as draft Continue

Registered customer information

Entry full legal name	SWIFT HEADQUARTERS	1.01
BIC8	SWHQBEBB	1.02
This field displays your name as registered on swift.com	John Smith	1.03
Registered e-mail	john.smith@swift.com	1.04
Registered telephone	+32 2655 3111	1.05
	Update user profile	1.06

Institution accessing the ISO20022 Payment Initiation Relay Rulebook

BIC: BNPAPRFP 2.01

Please select the accession date of the BICs under the ISO20022 Payment Initiation Relay directory

Requested accession date: not earlier than:

February 2022

Mo	Tu	We	Th	Fr	Sa	Su
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

3.01

## New Rulebook Overview

Inclusion of the common areas of the existing Service Level Master Agreement, MT 101 'Request for Transfer' Service Level Agreement and bilateral agreements to the new **Rulebook for Payment Initiation Relay**

- 1 Introduction
- 2 Definitions
- 3 Business Rules
  - 3.1 Introduction
  - 3.2 Guiding Principles
  - 3.3 Roles and Responsibilities of the Agents
  - 3.4 Indemnification
  - 3.5 Termination of Relationships between the Participating Agents
  - 3.6 Governing Law
- 4 Accession to this Rulebook
- 5 Rulebook Development and Maintenance
  - Appendix A Guidelines for Designated Account Sheet



**Available on swift.com**

# Message Portfolio: Future Releases (2023 & 2024)

Usage Guidelines available on [www.swift.com/mystandards](http://www.swift.com/mystandards)

Planned for November 2023	
FIN MT	ISO 20022
n/a (cancellation of MT210)	camt.058.001.xx
MT104, MT107	pain.008.001.xx, pacs.003.001.xx
MT110, MT111, MT112 (Cheques)	camt.107.001.xx, camt.108.001.xx, camt.109.001.xx
n/a (cancellation of pain.001)	Camt.055.001.xx
MT204	Pacs.010.001.xx – Margin Collection

Planned for November 2024	
FIN MT	ISO 20022
MT190, MT191 (Charges)	camt.105.001.xx, camt.106.001.xx
MTn95/MTn96 (Investigations)	Camt.110.001.xx, camt.111.001.xx
MT n99	Camt.112.xx



Automatic RMA Bootstrap for Cheque Messages

In September 2023

*Available soon: Usage guidance document for camt.053 for Notro/Vostro Usage*



# New Case Management: Messages in Scope

## New ISO 20022 messages:

- Camt.110 – Investigation Request
- Camt.111 – Investigation Response

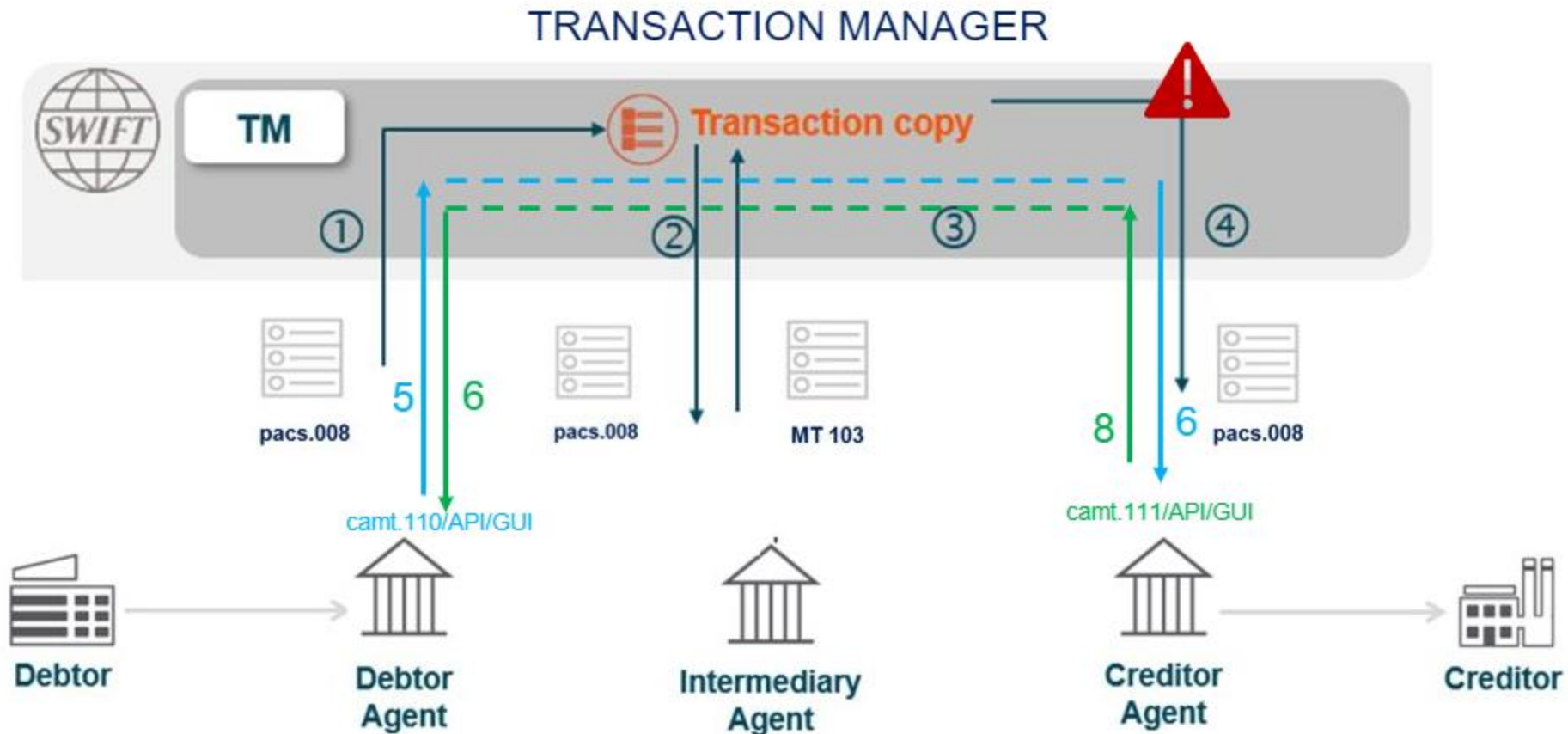
**Expected Pilot date: November 2024**

## Scenarios:

- Creditor Claim (Cover) Non Receipt
- Unable to Apply
- Request Value Date Adjustment
- Request Use of Funds
- Request Debit Authority
- Request for Information
- Account Related Investigation
- Request on Charges
- Other

**Note:** camt.056/camt.029 will continue to be used and will be included in the TM Orchestration

# From Traditional Investigations to « Orchestrated Investigations » (Based on Business Rules)



Example:  
 Creditor Claims Non Receipt (camt.110 Query)  
 Creditor Claims Non Receipt (camt.111 Response)

BNY Mellon is the corporate brand of The Bank of New York Mellon Corporation and may be used as a generic term to reference the corporation as a whole and/or its various subsidiaries generally. This material and any products and services may be issued or provided under various brand names in various countries by duly authorised and regulated subsidiaries, affiliates, and joint ventures of BNY Mellon, which may include any of the following. The Bank of New York Mellon, at 240 Greenwich Street, New York, NY 10286, USA a banking corporation organised pursuant to the laws of the State of New York, and operating in England through its branch at One Canada Square, London E14 5AL, UK, registered in England and Wales with numbers FC005522 and BR000818. The Bank of New York Mellon is supervised and regulated by the New York State Department of Financial Services and the US Federal Reserve and authorised by the Prudential Regulation Authority. The Bank of New York Mellon, London Branch is subject to regulation by the Financial Conduct Authority and limited regulation by the Prudential Regulation Authority. Details about the extent of our regulation by the Prudential Regulation Authority are available from us on request. The Bank of New York Mellon SA/NV, a Belgian public limited liability company, with company number 0806.743.159, whose registered office is at 46 Rue Montoyerstraat, B-1000 Brussels, Belgium, authorised and regulated as a significant credit institution by the European Central Bank (ECB), under the prudential supervision of the National Bank of Belgium (NBB) and under the supervision of the Belgian Financial Services and Markets Authority (FSMA) for conduct of business rules, and a subsidiary of The Bank of New York Mellon. The Bank of New York Mellon SA/NV operates in England through its branch at 160 Queen Victoria Street, London EC4V 4LA, UK, registered in England and Wales with numbers FC029379 and BR014361. The Bank of New York Mellon SA/NV (London Branch) is authorised by the ECB and subject to limited regulation by the Financial Conduct Authority and the Prudential Regulation Authority. Details about the extent of our regulation by the Financial Conduct Authority and Prudential Regulation Authority are available from us on request. The Bank of New York Mellon SA/NV operating in Ireland through its branch at 4th Floor Hanover Building, Windmill Lane, Dublin 2, Ireland trading as The Bank of New York Mellon SA/NV, Dublin Branch, is authorised by the ECB and is registered with the Companies Registration Office in Ireland No. 907126 & with VAT No. IE 9578054E. The Bank of New York Mellon, Singapore Branch, subject to regulation by the Monetary Authority of Singapore. The Bank of New York Mellon, Hong Kong Branch, subject to regulation by the Hong Kong Monetary Authority and the Securities & Futures Commission of Hong Kong. If this material is distributed in Japan, it is distributed by The Bank of New York Mellon Securities Company Japan Ltd, as intermediary for The Bank of New York Mellon. If this material is distributed in, or from, the Dubai International Financial Centre (“DIFC”), it is communicated by The Bank of New York Mellon, DIFC Branch, regulated by the DFSA and located at DIFC, The Exchange Building 5 North, Level 6, Room 601, P.O. Box 506723, Dubai, UAE, on behalf of The Bank of New York Mellon, which is a wholly-owned subsidiary of The Bank of New York Mellon Corporation. This presentation, which may be considered advertising, is for general information and reference purposes only and is not intended to provide legal, tax, accounting, investment, financial or other professional advice on any matter, and is not to be used as such. BNY Mellon does not warrant or guarantee the accuracy or completeness of, nor undertake to update or amend the information or data contained herein. We expressly disclaim any liability whatsoever for any loss howsoever arising from or in reliance upon any of this information or data. This material is intended for Professional Clients and market counterparties only and no other person should act upon it. The information contained in this presentation is for use by wholesale clients only and is not to be relied upon by retail clients. Not all products and services are offered in all countries.

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May 2023

