



ASSOCIATION FOR  
FINANCIAL  
PROFESSIONALS

# How Corporates can Standardize and Simplify the Global Language of Payments

(An Introduction to the CGI-MP XML V09 Implementation Guidelines)

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27<sup>th</sup> August 2024

# Agenda

- Background
- Introducing a change of mindset
- Material benefits to the corporate community
- The updated CGI-MP documentation
- Structured Address – the HOT topic

# Common Global Implementation Market Practice Group: Who We Are.

- Bank of America
- Bank of China (HK)
- Barclays
- BBVA
- BNP Paribas
- BNY Mellon
- Citibank
- Commerzbank AG
- Danske Bank
- Deutsche Bank
- DZ Bank
- Erste Group Bank
- First Abu Dhabi Bank (fka. First Gulf Bank)
- HSBC
- ING Bank
- J.P.Morgan
- LLOYDS Bank
- Nordea Bank
- Payments Canada
- Raiffeisen Bank International
- Royal Bank of Scotland
- Santander
- SEB
- SMBC
- South African Reserve Bank
- Standard Chartered Bank
- Swiss Re
- Sydbank A/S
- UniCredit Bank
- Wells Fargo
- Accredited Standards Committee X9
- ACI Worldwide
- AFP
- AFTE
- AITI
- Aperam
- ArcelorMittal Treasury
- Axletree
- Azzana
- Backbase
- BASF
- Bottomline Technologies
- CBI Consortium
- Cegid
- Citizen Can
- Daimler AG
- Deutsche Post
- Dion Global
- e5 Solutions
- EastNets
- EFIS
- Electrolux Group
- Exalog
- FIS
- Finastra
- FINANCEKEY
- Fiserv
- General Electric
- HCL
- Hoffmann-La Roche
- IKEA
- Infor
- ION
- KPMG
- Kyriba
- LPA
- Merck Group
- Movitz
- Neofi



- NIKE
- Nordson
- NOMENTIA
- Nth Exception
- NTT DATA Luweave Corporation
- OpenText GXS
- Omikron Systemhaus
- Pay.UK
- Payxtron GmbH (fka. Wuerth)
- PPI
- Redbridge
- SAP SE
- SERRALA
- Siemens
- SIX Interbank Clearing
- Statoil ASA
- Storck
- SunTec
- Swift
- Tembit
- ThyssenKrupp
- Tieto Sweden AB
- TIS
- UNIFITS
- UTSIT
- Valantic Financial Services Automation (fka. Dion)
- Verband Deutscher
- Visma Software International AS
- Volante Technologies
- Vorwerk
- Wall Street Systems
- XMLation
- Zanders



In total 150 Institutions are the CGI-MP Members

## 5 Working Groups

- WG1 Credit Transfer & Payment Status Report
- WG2 Cash Management Reporting
- WG3 Direct Debit & Mandates
- WG4 Bank Account Management
- WG5 Bank Services Billing



# Background

- **The key driver:** the shift from the legacy MT messages to the rich & structured ISO 20022 messages.
- **MTs** are adopting the newer versions of ISO 20022, providing a further incentive for the corporate community to migrate from existing pain.001 V03 to the newer version (V09).
- **CGI-MP** began in 2020 to review the ISO 2019 version release to align with the industry initiatives where the consensus within the group to upgrade from ISO 2009 version to 2019 version.
- **The review of Appendix B** and a broader pain.001 message provides the opportunity to remove some of the current frictions and proprietary workaround exist in the ISO 2009 versions.

***“A corporate can use the same message structure for all their payments with all of their transaction banks reaching any payment system across the globe.”***

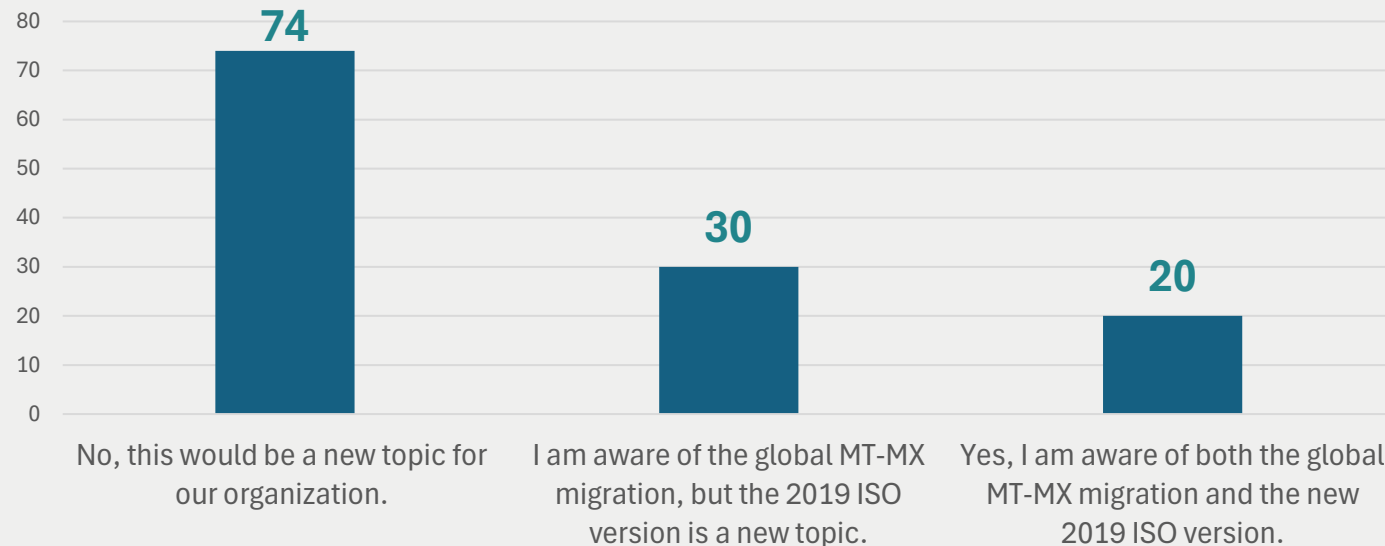
# Poll Question 1

**For the Corporate participants, are you aware of the potential file format changes linked to the global Swift MT to MX migration in the cash management space and have you already received any information about the new ISO 20022 version 2019 (pain.001.001.09 – Version 09 etc.)?**

1. No, this would be a new topic for our organization.
2. I am aware of the global MT-MX migration, but the 2019 ISO version is a new topic.
3. Yes, I am aware of both the global MT-MX migration and the new 2019 ISO version.

# Results of Poll Question 1

**For the Corporate participants, are you aware of the potential file format changes linked to the global Swift MT to MX migration in the cash management space and have you already received any information about the new ISO 20022 version 2019 (pain.001.001.09 – Version 09 etc.)?**



**Total 124 Responses**

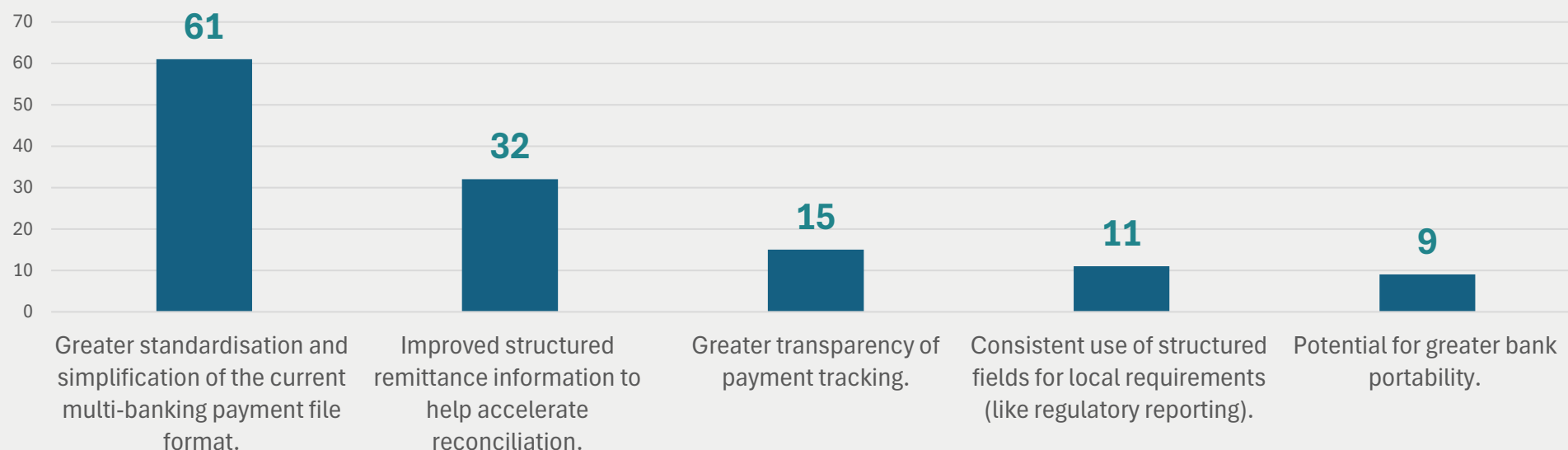
# Poll Question 2

**Whilst there is currently no formal requirement for corporates to migrate onto the XML V09, which is the single greatest benefit which will provide additional motivation to consider a migration from your current format?**

1. Greater standardisation and simplification of the current multi-banking payment file format.
2. Improved structured remittance information to help accelerate reconciliation.
3. Consistent use of structured fields for local requirements (like regulatory reporting).
4. Potential for greater bank portability.
5. Greater transparency of payment tracking.

# Results of Poll Question 2

**Whilst there is currently no formal requirement for corporates to migrate onto the XML V09, which is the single greatest benefit which will provide additional motivation to consider a migration from your current format?**



**Total 128 Responses**

# Agenda

- Background
- **Introducing a change of mindset**
- Material benefits to the corporate community
- The updated CGI-MP documentation
- Structured Address – the HOT topic

# CGI pain.001 V03 Implementation Challenges – Lessons Learned

## 1. Bank flavored Implementations

- Significant implementation timelines
- Multiple flavors of pain.001 e.g.,
  - Payment Type Codes
  - Initiating Party Identification
  - Address Logic
  - Reference Information
  - Batching rules

## 2. Data-Overpopulation

- The core principles to accept and ignore excess data
- Challenges in banks accepting excess data
- Resulting in greater implementation complexity on the corporate side

## 3. Unstructured Data Fields

- Low usage of structured data tags
- High usage of unstructured data tags
- Low standardization across the banks e.g., regulatory reporting

# CGI pain.001 V09 Implementation Approach – “Change of Mindset”

## 1. Bank Standard Implementations

- Reduce implementation timeline
- Reduce implementation complexity
- How ?
  - More prescriptive logic
  - Standardised Payment Codes
  - Standardised Regulatory reporting
  - Structured Postal Address logic

## 2. Provision of Additional Data

- Potentially accept additional data subject to bilateral agreement:
  - Initiating Party Identification
  - Category Purpose
  - Structured Remittance Info
  - Non-conflicting data (e.g., Agent BIC & clearing code)
  - Does not apply to proprietary codes.

## 3. Structured Data

- Structured data first principle going forward
- Corporates to get richer Remittance Information for auto-reconciliation (if supported by clearing)
- Opportunity for the banks to provide value add services, e.g., Remittance advice service

# A Big Thank You to All Contributors to the XML V09 Implementation Guidelines !



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# Appendix B: The Country Level Detail

pain.001.001.09		Clearing	Service	Local	Local	Regulatory	Withholding	Creditor	Creditor	Creditor Country	Category Purpose	Purpose	Creditor
Country	Payment Type	(for info)	Level Code <sup>1</sup>	Instrument	Language	Information	Tax	Identification	Account	of Residence		(non-regulatory)	Account Type
Australia	Domestic Urgent	RITS	URGP										
	International	SWIFT	URGP										
	Instant Payments	NPP	INST										
	Domestic non-urgent	BECS	NURG									Yes	
China	Domestic Urgent	CNAPS / SHEC / BJEC	URGP		Yes	Yes							
	International	SWIFT / CIPS <sup>6</sup>	URGP			Yes							
	Instant Payments	IBPS	INST										
	Domestic non-urgent	BEPS	NURG		Yes	Yes							
Hong Kong	Domestic Urgent	CHATS	URGP										
	Instant Payments	FPS	INST						Yes <sup>4</sup>		Yes		
	International	SWIFT	URGP		Yes								
	Domestic non-urgent (auto credit)	FPS (BCT)	NURG								Yes		
India	Domestic Urgent	RTGS	URGP <sup>5</sup>										
	Net Settlement	NEFT	URNS	Yes									Yes
	Instant Payments	IMPS	INST	IMPS					Yes <sup>4</sup>				
	Instant Payments	UPI	INST	IUPI					Yes <sup>4</sup>			Yes	
	International	SWIFT	URGP			Yes				Yes			
	Domestic non-urgent	NACH	URNS	Yes									
Indonesia	Domestic Urgent	BI-RTGS	URGP			Yes							
	International	SWIFT	URGP			Yes							
	Domestic non-urgent	SKN	NURG			Yes							
	Instant Payments	BI-FAST	INST										

- Over 40 countries covered by a regional view with the key datapoints required by the clearing systems
- Clear definition of Service Level Codes to be used to identify the payment type
- Deeper dive into more complex data requirements

# Appendix B: Regulatory Reporting – A Global Structured Approach

Below regulatory requirements are for information only to provide guidance on the usage of ISO elements. Please reach out to your bank resp. the publications of the respective regulatory authority regarding latest regulatory require						
Country	General CGI-MP Usage Rules	BAHRAIN	China	China	France	India
Requirement		Central Bank of Bahrain requires POP for international transactions outbound from BAH, inbound to BAH and transiting through BAH for BOP reporting.	Domestic non-urgent RMB payments (Peoples Bank of China): Purpose of payment is required for payments to individuals. Current practice is free format - no code structure. Examples include salary and bonus payments.  Domestic urgent RMB payments (Peoples Bank of China): Beneficiary (creditor) residency status is required. The bank derives the status from the Creditor Country of Residence information (Cdr/CtryORes), which is required	International and Foreign Currency payments within China (if BOP information is provided via pain.001 V09 depending on bilateral bank service).  SAFE (State Administration of Foreign Exchange) requires BOP code/description.	Transactions outside the SEPA zone larger than 50 000 EUR (or equivalent) from resident to non-resident require a declaration of an economic code (ECO code, 3 char). This is for the balance of payments statistics from the Banque de France.	As a regulatory requirement in India, any foreign remittance that is being made out of an India based account, need to have supporting documentation which is OUTSIDE the actual payment process. However, for A2 Payments – Cross Border Fund Transfer for availing services there is a requirement for a purpose code.
Regulatory Reporting						
Debit Credit Reporting Indicator						
CRED	Not used (refer to tab Reg Rpt In)					
DEBT	Required. Reg. information applied to the debit side. i.e. requirements in the country, where the debiting account is held (where the money comes from).	DEBT	DEBT	DEBT	DEBT	DEBT
BOTH	Not used					
Authority						
Name	Optional					
Country	Optional					
Details (first occurrence)						
Type	Conditional (if required by a country). Applicable codes are stated, with the explanation in brackets.	R code "PURP" (Purpose of Payment)	R code "PURP" (Purpose of Payment)	R code "PURP" (BOP Purpose of Payment)	R code "PURP" (Purpose of Payment)	R code "PURP" (Purpose of Payment)
Date	Not used					
Country	Conditional (if required by a country)					
Code	Conditional (if required by a country)	R CBB payment purpose code e.g. "GDE" = Goods sold (Exports) "STS" = Sea Transport "IGD" = Dividends Intragroup  Full / latest code list will be available from your bank or the regulator.		R BOP purpose code (numeric), if bilaterally supported. e.g. "121010" = General Trade "121020" = Processing with imported material "121030" = Logistics goods imported into or exported from a particular customs territory or a bonded premises Full / latest code list will be available from your bank or the regulator.	R Economic Code (3 char) e.g. "E01" = Goods "E02" = Transport Services "E03" = Computer and Communication Services Full / latest code list will be available from your bank or the regulator. source: <a href="https://www.banque-france.fr/sites/default/files/media/2016/12/10/liste-des-codes-crp.pdf">https://www.banque-france.fr/sites/default/files/media/2016/12/10/liste-des-codes-crp.pdf</a>	R Purpose of payment code e.g. "S0001" = Indian investment abroad in equity capital (shares) "S0002" = Indian investment abroad in debt securities "S0003" = Indian investment abroad in branches Full / latest code list will be available from your bank or the regulator.

- New approach to capture Regulatory reporting information
- New codes invented to help standardise regulatory reporting information
- Additionally include inbound reporting, e.g., China and UAE

# Appendix B: Proxy/Tokenisation: Supporting the Rise of Instant Payments

Region	Country	Payment Type	Creditor Account Requirement	tag in V09 (CGI-MP guideline)
Asia Pacific	Hong Kong	Instant Payments	Tokenisation and proxy are supported. Where a mobile number, email address or alternative account identification is provided, the following logic should be followed to ensure schema compliance.	<CdtrAcct><Id><Othr><Id>NOTPROVIDED <Prxy><Tp>(<Cd>OR<Prtry>)<Id>

- New approach to capture proxy
- New Service Level Code “INST” for Instant Payment Service (except for SEPA)
- Standardised way of providing proxy type codes, e.g., mobile number, email address

# Agenda

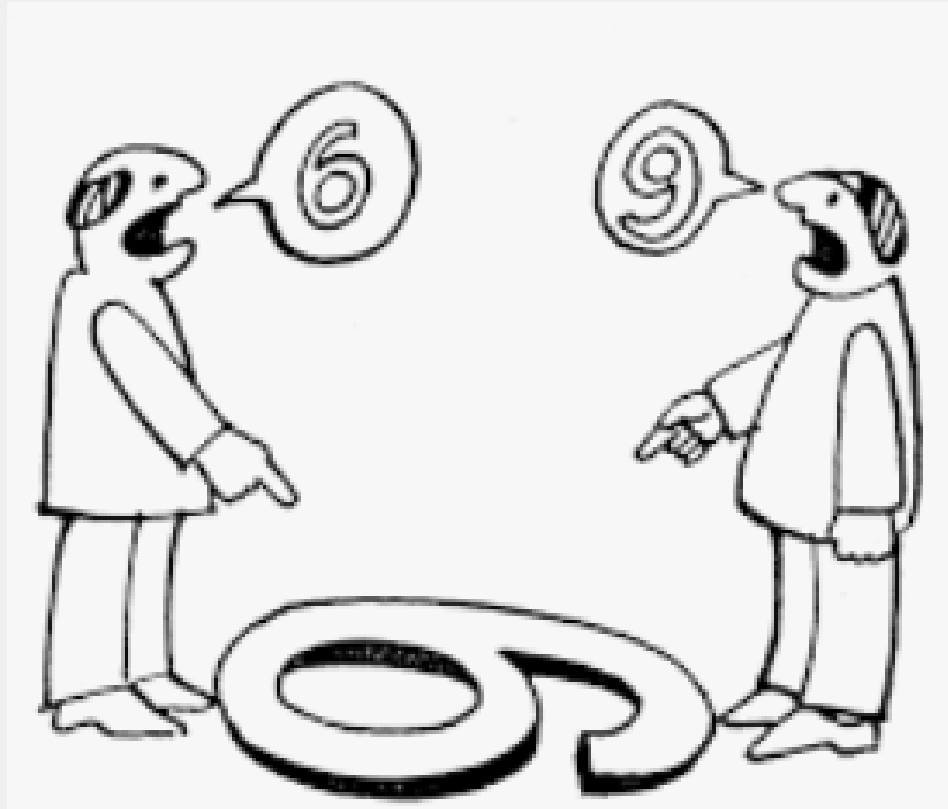
- Background
- Introducing a change of mindset
- **Material benefits to the corporate community**
- The updated CGI-MP documentation
- Structured Address – the HOT topic

# Key Benefits to the Corporate and Banking Community

- Remove the frictions between the banks.
- Reduce costs by more standardised implementation.
- Corporates - Richer data enable better reconciliations (STP/STR\*).
- Banks - Higher payment automation and compliance check processing rates.
- Potential greater portability due to the bank-agnostic format.
- Dedicated tags for Regulatory Reporting, Tax, UETR, LEI, Proxy.
- Improved AML compliance and counter-terrorist financing (CTF) screening.
- Structured Remittance Information as supported by the Banks & Market Infrastructures End to End.

\*Straight Through Processing (STP) / Straight Through Reconciliations (STR)


# All Important Views from the Corporates:




# Agenda

- Background
- Introducing a change of mindset
- Material benefits to the corporate community
- **The updated CGI-MP documentation**
- Structured Address – the HOT topic

# New way of accessing the CGI-MP Guidelines on MyStandards

 **CGI-MP Payment Initiation pain.001 V09 (ISO 2019 version)**  
Technical version: v.1 created , Released date: 01 Aug 2024

 [CGI-MP WG1 User Handbook Update June 2024.p...](#)  [Norway regulatory AML March 2022 codes \(3\).pdf](#)


Usage Guidelines   Technical Versions   Dictionary   Annotation Structures

CGI-MP pain.001.001.09\_International and Urgent Domestic Payments  
Restricted message: pain.001.001.09

User Handbook

CGI-MP Guidelines













CGI-MP Rules and Guidelines are available for community adoption

 **CGI-MP pain.001.001.09\_International and Urgent Domestic Payments**  
CGI-MP Payment Initiation pain.001 V09 (ISO 2019 version) ( Technical version: 1, Format: MX )

Content   Result View   Sample Messages   Impact Analysis   Comments   Audit

☐ View only restricted elements   ☐ Hide Removed elements   ☐ Hide ignored elements   ☐ Show XML Tags

search message (min 2 chars)

Name	Min	Max	Restrictions
✓  Customer Credit Transfer Initiation V09 (pain.001.001.09)			
 Group Header	1	1	
 Message Identification	1	1	
 Creation Date Time	1	1	
>  Authorisation	0	2	
 Number Of Transactions	1	1	
 Control Sum	0	1	
>  Initiating Party	1	1	
>  Forwarding Agent	0	1	
>  Payment Information	1	*	
>  Supplementary Data	0	*	
 Textual : Supplementary Data Rule			

**Initiating Party**

▼ **Multiplicity**  
Mandatory, Non repetitive  
[1-1]

▼ **Comment**  
Information provided under Initiating Party may be passed on by the bank to the next party in the payment chain.

▼ **Type**  
PartyIdentification135  
• is\_choice: false

▼ **Documentation**  
Party that initiates the payment.  
Usage: This can either be the debtor or the party that initiates the credit transfer on behalf of the debtor.

▼ **XML Tag**  
InitgPty

▼ **XML Path**  
/Document/CstmrCdtTrfIntrn/GrpHdr/InitgPty



MyStandards

MyStandards: <https://www2.swift.com/mystandards/#/group/CGI-MP>

# New CGI Implementation Guidelines

## e.g. pain.001 V09 International and Urgent Domestic Payments ([link](#))

CGI-MP pain.001.001.09 International and Urgent Domestic Payments  
CGI-MP Payment Initiation pain.001 V09 (ISO 2019 version) ( Technical version: 1, Format: MX )

View only restricted elements Hide Removed elements Hide Ignored elements Show XML Tags

search message (min 2 chars)

Name	Min	Max	Restrictions
Customer Credit Transfer Initiation V09 (pain.001.001.09)			
Group Header	1	1	
Message Identification	1	1	
Creation Date Time	1	1	
Authorisation	0	2	
Number Of Transactions	1	1	
Control Sum	0	1	
Initiating Party	1	1	
Forwarding Agent	0	1	
Payment Information	1	*	
Payment Information Identification	1	1	
Payment Method	1	1	
Batch Booking	0	1	
Number Of Transactions	0	1	
Control Sum	0	1	
Payment Type Information	0	1	
Requested Execution Date	1	1	
Pooling Adjustment Date	0	1	
Debtor	1	1	
Debtor Account	1	1	
Debtor Agent	1	1	
Debtor Agent Account	0	1	
Instruction For Debtor Agent	0	1	
Ultimate Debtor	0	1	
Charge Bearer	0	1	
Charges Account	0	1	
Charges Account Agent	0	1	
Credit Transfer Transaction Information	1	*	

**Initiating Party**

**Multiplicity**  
Mandatory, Non repetitive  
[1..1]

**Comment**  
Information provided under Initiating Party may be passed on by the bank to the next party in the payment chain.

**Type**  
PartyIdentification135  
• is\_choice: false

**Documentation**  
Party that initiates the payment.  
Usage: This can either be the debtor or the party that initiates the credit transfer on behalf of the debtor.

**XML Tag**  
InitgPty

**XML Path**  
/Document/CstmrCdtTrfInitn/GrpHdr/InitgPty

**Index**  
6.1.12.5.6

**Comments**

- Includes comments and rules to prescribe the usage of the tags
- The pain.001 International and Urgent Domestic Payments Guideline must be used in conjunction with **Appendix B**
- More guidelines to come (domestic ACH payments, SEPA during 2024)

# CGI-MP User Handbook with Illustrations

## Validation step 4: Status by Clearing or Beneficiary Bank or SWIFT GPI Confirmation



	Transaction Level Only			
Transaction released from the Originating Bank and accepted by the clearing	SWIFT gpi for corporates payment tracking service: the payment was delivered to bene bank as <u>gpi</u> .	SWIFT gpi for corporates payment tracking service: Transaction was successful, but the payment is no longer processed under the <u>gpi</u> SLA.	SWIFT gpi for corporates payment tracking service: the payment was delivered to bene bank as non- <u>gpi</u> .	Accepted (credited on Creditor account), used for real-time payment, SWIFT <u>gpi</u> final status, relay payments, inhouse transfers)
7	8	8	8	9
<i>ACPD/RJCT</i>	<i>ACSP/G005</i>	<i>ACSP/G001</i>	<i>ACSP/G006</i>	<i>ACCC</i>

Status Codes in **BOLD** are CGI-MP required / conditional. Status Codes in *italics* are optional or recommended.

For SWIFT GPI details, please refer to 2020 Rulebook for gpi for Corporates: [https://www2.swift.com/knowledgecentre/publications/gpi\\_r\\_opt\\_svc\\_g4c/5.0](https://www2.swift.com/knowledgecentre/publications/gpi_r_opt_svc_g4c/5.0)



Common Global Implementation – Market Practice (CGI-MP)

20

- Greater clarity around the end-to-end workflows
- Clarification of different status codes and sequence
- More examples of pain.001 and pain.002 usage guidelines

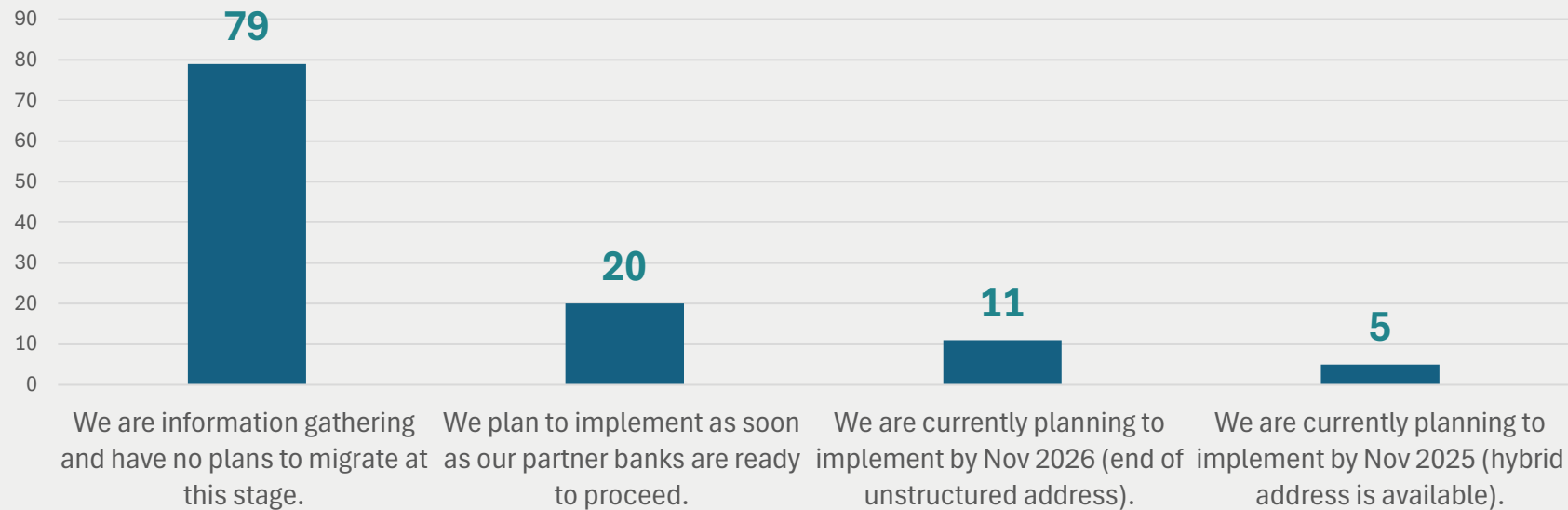
# Poll Question 3

**Considering the presentation content, what are your current plans around adopting XML V09?**

1. We plan to implement as soon as our partner banks are ready to proceed.
2. We are currently planning to implement by Nov 2025 (hybrid address is available).
3. We are currently planning to implement by Nov 2026 (end of unstructured address).
4. We are information gathering and have no plans to migrate at this stage.

# Results of Poll Question 3

Considering the presentation content, what are your current plans around adopting XML V09?



Total 115 Responses

# Agenda

- Background
- Introducing a change of mindset
- Material benefits to the corporate community
- The updated CGI-MP documentation
- **Structured Address – the HOT topic**

# International and Urgent Domestic Payments

## Hybrid Postal Address from November 2025

Preferred

### Fully structured

- All available address data is mapped into one of the 14 ISO20022 fields
- No co-mingling of data
- No combination with “AdrLine” allowed

```
<Cdtr>
  <Nm>John Smith</Nm>
  <PstlAdr>
    <StrtNm>Hoogstraat</StrtNm>
    <BldgNb>6</BldgNb>
    <BldgNm>Premium Tower</BldgNm>
    <Flr>18</Flr>
    <PstCd>1000</PstCd>
    <TwnNm>Brussels</TwnNm>
    <Ctry>BE</Ctry>
  </PstlAdr>
</Cdtr>
```

Name	Department	Sub Department	Street Name	Building Number
Building Name	Floor	Post Box	Room	Post Code
Town name	Town Location Name	District Name	Country Subdivision	Country

### Unstructured

- No combination with structured ISO20022 address elements allowed
- Difficulty to interpret data due to co-mingling of address elements

```
<Cdtr>
  <Nm>JOHN SMITH</Nm>
  <PstlAdr>
    <AdrLine>HOOGSTRAAT 6, 18th floor</AdrLine>
    <AdrLine>1000 BRUSSELS</AdrLine>
    <AdrLine>BE</AdrLine>
  </PstlAdr>
</Cdtr>
```

new

### Hybrid *In scope of PMPG CR*

- Combination of structured ISO20022 address elements **and** up to 2 lines of 70 characters of unstructured “AdrLine” allowed
- Elements available in structured format must be mapped into the respective structured element (minimum: TownName & Country)
- Structured elements must not be repeated in the AdrLine element(s)

Network  
validation  
rules

Textual  
rule

```
<Cdtr>
  <Nm>JOHN SMITH</Nm>
  <PstlAdr>
    <PstCd>1000</PstCd>
    <TwnNm>BRUSSELS</TwnNm>
    <Ctry>BE</Ctry>
    <AdrLine>HOOGSTRAAT 6, 18th floor</AdrLine>
  </PstlAdr>
</Cdtr>
```

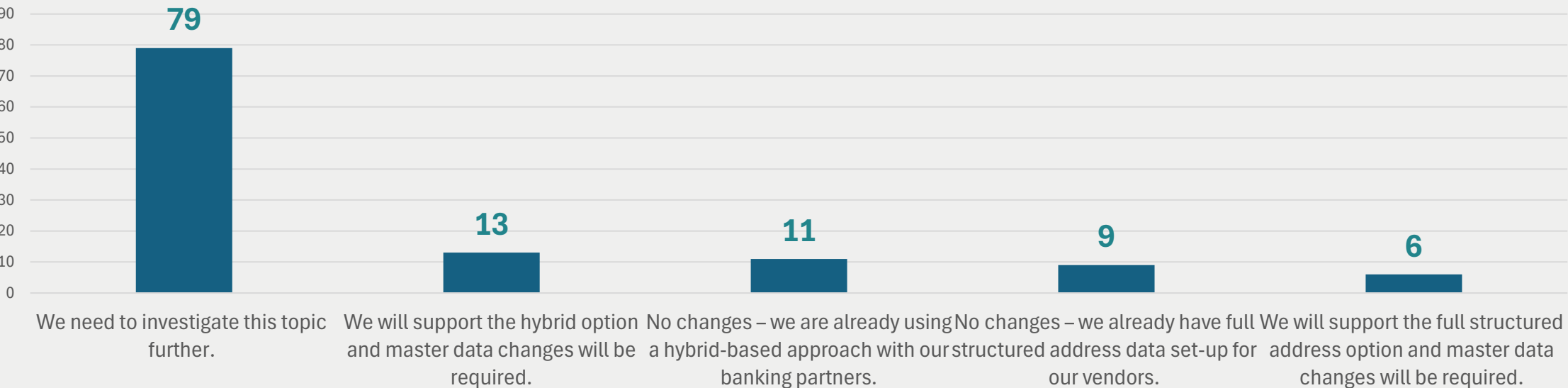
# Poll Question 4

**Considering the address options available and considering how you currently have your vendor master data set-up, which of the options below relates to your preferred approach?**

1. No changes – we already have full structured address data set-up for our vendors.
2. No changes – we are already using a hybrid-based approach with our banking partners.
3. We will support the full structured address option and master data changes will be required.
4. We will support the hybrid option and master data changes will be required.
5. We need to investigate this topic further.

# Results of Poll Question 4

Considering the address options available and considering how you currently have your vendor master data set-up, which of the options below relates to your preferred approach?



Total 118 Responses

# Questions?

