

Mojaloop ISO 20022 Market Practice Document

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2. Introduction

By combining the principles of financial inclusion with the robust capabilities of ISO 20022, Mojaloop ensures that DFSPs and other stakeholders can deliver real-time payment solutions that are cost-effective, secure, and scalable to meet the demands of inclusive financial ecosystems.

2.1 How to Use This Document?

This document provides a foundational reference for implementing ISO 20022 messaging for IIPS within Mojaloop-based schemes. It outlines general guidelines and practices that apply universally across Mojaloop schemes, focusing on the base-level requirements. However, it is designed to be supplemented by scheme-specific rules documents, which can define additional message fields, validations, and rules necessary to meet the unique regulations and requirements of individual schemes. This layered approach enables each scheme to tailor its implementation details while maintaining consistency with the broader Mojaloop framework.

2.1.1 Relationship with Scheme-Specific Rules Documents

This document serves as a foundation for understanding how ISO 20022 is applied in Mojaloop, focusing on core principles and practices. However, it does not prescribe the detailed business requirements, validations, and governance frameworks that are specific to individual schemes. Scheme-specific rules address these details, including mandatory and optional field specifications, tailored compliance protocols, and defined procedures for error handling. They also encompass business rules governing message flows, participant roles, and responsibilities within the scheme. The flexibility of this document allows scheme administrators to adapt and extend its guidance to meet their unique operational needs.

2.1.2 Distinction Between Generic Practices and Scheme-Specific Requirements

This document distinctly separates generic practices from scheme-specific requirements to achieve a balance between consistency and adaptability in ISO 20022 implementations within Mojaloop. The generic practices outlined here establish foundational principles, including expectations for message structures, required fields to meet switch requirements, supported fields, and transactional flows. Additionally, they provide a high-level overview of the Mojaloop P2P FX transfer lifecycle.

Scheme-specific requirements, documented separately, delve into additional field mappings, enhanced validations, and precise rules for settlement, reconciliation, and dispute resolution. These requirements also encompass governance policies and compliance obligations tailored to the unique needs of individual schemes.

This distinction enables DFSPs to implement a consistent core messaging framework while granting scheme administrators the flexibility to define operational specifics. The generic practices presented in this document are purposefully designed to be extensible, ensuring seamless integration with scheme-specific rules and supporting adherence to Mojaloop's ISO 20022 for IIPS standards.

3 Message Expectations, Obligations, and Rules

The Mojaloop transfer process is divided into three key phases, each essential to ensuring secure and efficient transactions. These phases use specific resources to enable participant interactions, ensuring clear communication, agreement, and execution. While some phases and resources are optional, the ultimate goal is to ensure every transfer is accurate, secure, and aligns with agreed terms.

1. [Discovery](#)
2. [Agreement](#)
3. [Transfer](#)

3.1 Currency Conversion

Currency conversion is included to support cross-currency transactions. As it is not always required, the associated messages and flows are only used when needed, ensuring flexibility for both single-currency and multi-currency scenarios.

3.2 JSON Messages

Mojaloop adopts a JSON variant of ISO 20022 messages, moving away from the traditional XML format to enhance efficiency and compatibility with modern APIs. The ISO 20022 organization is actively developing a canonical JSON representation of its messages, and Mojaloop aims to align with this standard as it evolves.

3.3 APIs

ISO 20022 messages are exchanged in Mojaloop via REST-like API calls. This approach enhances interoperability, reduces data overhead through lightweight JSON messages, and supports scalable and modular implementations. By integrating ISO 20022 with REST APIs, Mojaloop delivers a robust, adaptable framework that balances global standards with practical implementation needs.

3.3.1 Header Details

The API message header should contain the following details. Required headers are specified with an * asterisks.

Name	Description
Content-Length <i>integer</i> (header)	The Content-Length header field indicates the anticipated size of the payload body. Only sent if there is a body. Note: The API supports a maximum size of 5242880 bytes (5 Megabytes).
* Type <i>string</i> (path)	The type of the party identifier. For example, MSISDN , PERSONAL_ID .
* ID <i>string</i> (path)	The identifier value.
* Content-Type <i>string</i> (header)	The Content-Type header indicates the specific version of the API used to send the payload body.
* Date <i>string</i> (header)	The Date header field indicates the date when the request was sent.

Name	Description
X-Forwarded-For <i>string</i> (header)	The X-Forwarded-For header field is an unofficially accepted standard used for informational purposes of the originating client IP address, as a request might pass multiple proxies, firewalls, and so on. Multiple X-Forwarded-For values should be expected and supported by implementers of the API. Note: An alternative to X-Forwarded-For is defined in RFC 7239 . However, to this point RFC 7239 is less-used and supported than X-Forwarded-For .
* FSPIOP-Source <i>string</i> (header)	The FSPIOP-Source header field is a non-HTTP standard field used by the API for identifying the sender of the HTTP request. The field should be set by the original sender of the request. Required for routing and signature verification (see header field FSPIOP-Signature).
FSPIOP-Destination <i>string</i> (header)	The FSPIOP-Destination header field is a non-HTTP standard field used by the API for HTTP header based routing of requests and responses to the destination. The field must be set by the original sender of the request if the destination is known (valid for all services except GET /parties) so that any entities between the client and the server do not need to parse the payload for routing purposes. If the destination is not known (valid for service GET /parties), the field should be left empty.
FSPIOP-Encryption <i>string</i> (header)	The FSPIOP-Encryption header field is a non-HTTP standard field used by the API for applying end-to-end encryption of the request.
FSPIOP-Signature <i>string</i> (header)	The FSPIOP-Signature header field is a non-HTTP standard field used by the API for applying an end-to-end request signature.
FSPIOP-URI <i>string</i> (header)	The FSPIOP-URI header field is a non-HTTP standard field used by the API for signature verification, should contain the service URI. Required if signature verification is used, for more information, see the API Signature document .
FSPIOP-HTTP-Method <i>string</i> (header)	The FSPIOP-HTTP-Method header field is a non-HTTP standard field used by the API for signature verification, should contain the service HTTP method. Required if signature verification is used, for more information, see the API Signature document .

3.3.2 Supported HTTP Responses

HTTP Error Code	Description and Common Causes
400 Bad Request	<p>Description: The server could not understand the request due to invalid syntax. This response indicates that the request was malformed or contained invalid parameters.</p> <p>Common Causes: Missing required fields, invalid field values, or incorrect request format.</p>

HTTP Error Code	Description and Common Causes
401 Unauthorized	<p>Description: The client must authenticate itself to get the requested response. This response indicates that the request lacks valid authentication credentials.</p> <p>Common Causes: Missing or invalid authentication token.</p>
403 Forbidden	<p>Description: The client does not have access rights to the content. This response indicates that the server understood the request but refuses to authorize it.</p> <p>Common Causes: Insufficient permissions to access the resource.</p>
404 Not Found	<p>Description: The server can not find the requested resource. This response indicates that the specified resource does not exist.</p> <p>Common Causes: Incorrect resource identifier or the resource has been deleted.</p>
405 Method Not Allowed	<p>Description: The request method is known by the server but is not supported by the target resource. This response indicates that the HTTP method used is not allowed for the endpoint.</p> <p>Common Causes: Using an unsupported HTTP method (e.g., POST instead of PUT).</p>
406 Not Acceptable	<p>Description: The server cannot produce a response matching the list of acceptable values defined in the request's proactive content negotiation headers. This response indicates that the server cannot generate a response that is acceptable according to the Accept headers sent in the request.</p> <p>Common Causes: Unsupported media type or format specified in the Accept header.</p>
501 Not Implemented	<p>Description: The server does not support the functionality required to fulfill the request. This response indicates that the server does not recognize the request method or lacks the ability to fulfill the request.</p> <p>Common Causes: The requested functionality is not implemented on the server.</p>
503 Service Unavailable	<p>Description: The server is not ready to handle the request. This response indicates that the server is temporarily unable to handle the request due to maintenance or overload.</p> <p>Common Causes: Server maintenance, temporary overload, or server downtime.</p>

3.3.3 Common Error Payload

All error responses return a common payload structure that includes a specific message. The payload typically contains the following fields:

- **errorCode:** A code representing the specific error.
- **errorDescription:** A description of the error.
- **extensionList:** An optional list of key-value pairs providing additional information about the error.

This common error payload helps clients understand the nature of the error and take appropriate actions.

3.4 ULIDs as Unique Identifiers

Mojaloop employs Universally Unique Lexicographically Sortable Identifiers (ULIDs) as the standard for unique identifiers across its messaging system. ULIDs offer a robust alternative to traditional UUIDs, ensuring globally unique identifiers while also enabling natural ordering by time of creation. This lexicographical sorting simplifies traceability, troubleshooting, and operational analytics.

3.5 Inter-ledger Protocol (v4) to represent the Cryptographic Terms

Mojaloop leverages the Inter-ledger Protocol (ILP) version 4 to define and represent cryptographic terms in its transfer processes. ILP v4 provides a standardized framework for secure and interoperable exchange of payment instructions, ensuring integrity and non-repudiation of transactions. By integrating ILP's cryptographic capabilities, Mojaloop supports precise and tamper-proof agreements between participants, enabling secure end-to-end transfer execution while maintaining compatibility with global payment ecosystems.

3.6 ISO 20022 Supplementary Data Fields

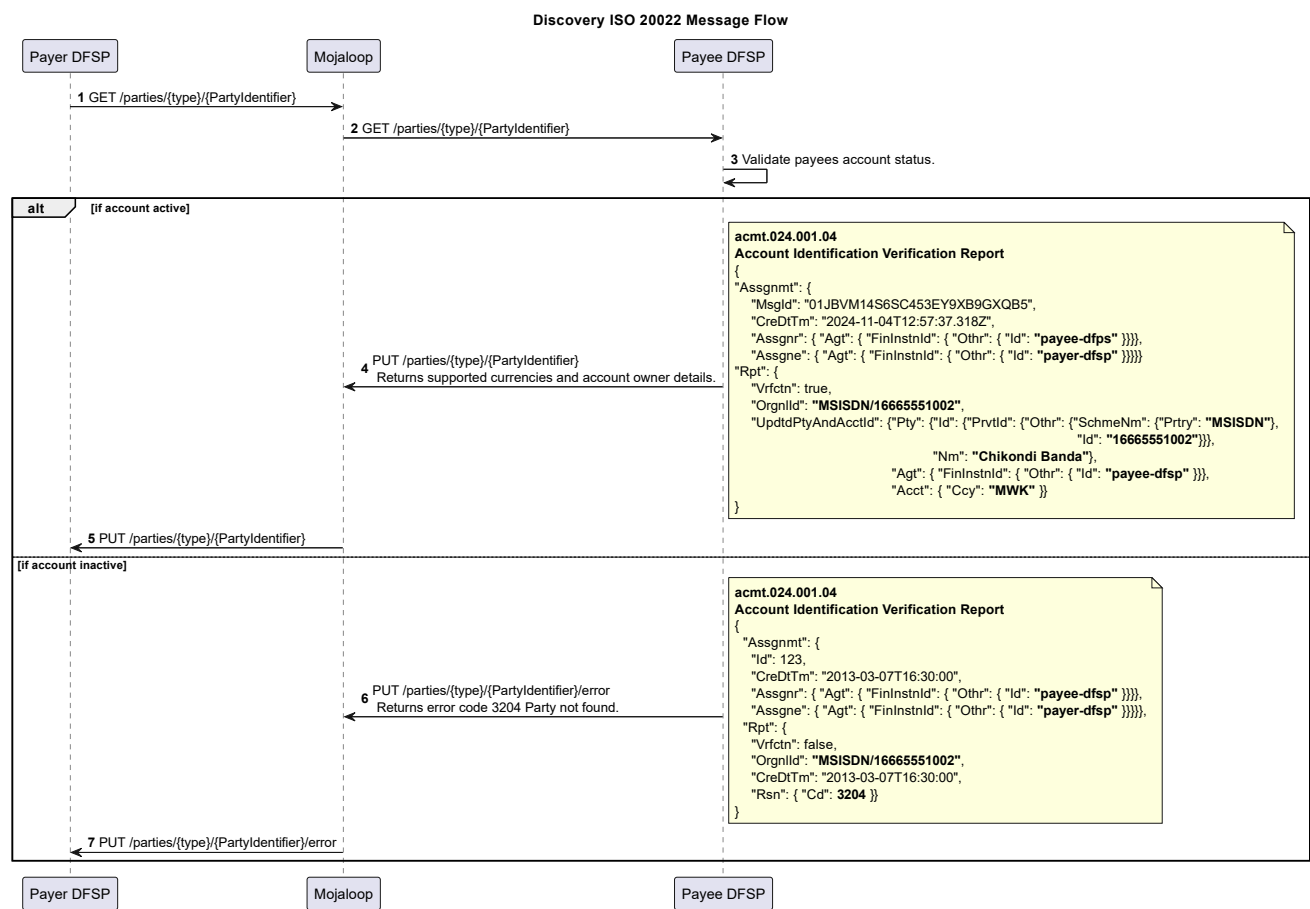
It is not expected that ISO 20022 supplementary data fields will be required for any of the messages used. If supplementary data is provided, the switch will not reject the message; however, it will ignore its contents and behave as if the supplementary data was not present.

4. Discovery Phase

The Discovery Phase is an optional step in the transfer process, necessary only when the payee (end party) must be identified and confirmed before initiating an agreement. This phase utilizes the parties resource, which facilitates the retrieval and validation of the payee’s information to ensure they are eligible to receive the transfer. Key checks performed during this phase include verifying that the payee's account is active, identifying the currencies that can be transferred into the account, and confirming the account owner’s details. This information allows the payer to verify the payee's details accurately, reducing the risk of errors and ensuring a secure foundation for the subsequent phases of the transfer process.

4.1 Message flow

The sequence diagram shows the discovery example messages in a Payer initiated P2P transfer.



4.2 Parties Resource

The Parties resource provides all the necessary functionality in the discovery phase of a transfer. The functionality is always initiated with a GET /parties call, and responses to this are returned to the originator through a PUT /parties callback. Error messages are returned through the PUT /parties/.../error callback. These endpoints support an optional sub id type.

Endpoint	Message
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Endpoint	Message
GET /parties/{type}/{partyIdentifier} [/{subId}]	
PUT /parties/{type}/{partyIdentifier} [/{subId}]	acmt.024.001.04
PUT /parties/{type}/{partyIdentifier} [/{subId}]/error	acmt.024.001.04

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5. Agreement Phase

The **Agreement Phase** is a critical step in the Mojaloop transfer process, ensuring that all parties involved have a shared understanding of the transfer terms before any funds are committed. This phase serves several essential purposes:

1. **Calculation and Agreement of Fees**

The Agreement Phase provides an opportunity for the calculation and mutual agreement on any applicable fees. This ensures transparency and prevents disputes related to charges after the transfer is initiated.

2. **Pre-Commitment Validation**

It allows each participating organization to verify whether the transfer can proceed. This step helps identify and address potential issues early, reducing errors during the transfer and minimizing reconciliation discrepancies.

3. **Cryptographic Signing of Terms**

The terms of the transfer are cryptographically signed during this phase. This mechanism ensures non-repudiation, meaning that parties cannot deny their involvement in or agreement to the transaction.

4. **Promoting Financial Inclusion**

By presenting all parties with the complete terms of the transfer upfront, the Agreement Phase ensures that participants are fully informed before making any commitments. This transparency supports financial inclusively by enabling fair and informed decision-making for all stakeholders.

The Agreement Phase not only improves the reliability and efficiency of Mojaloop transfers but also aligns with its broader goal of fostering trust and inclusively in digital financial ecosystems.

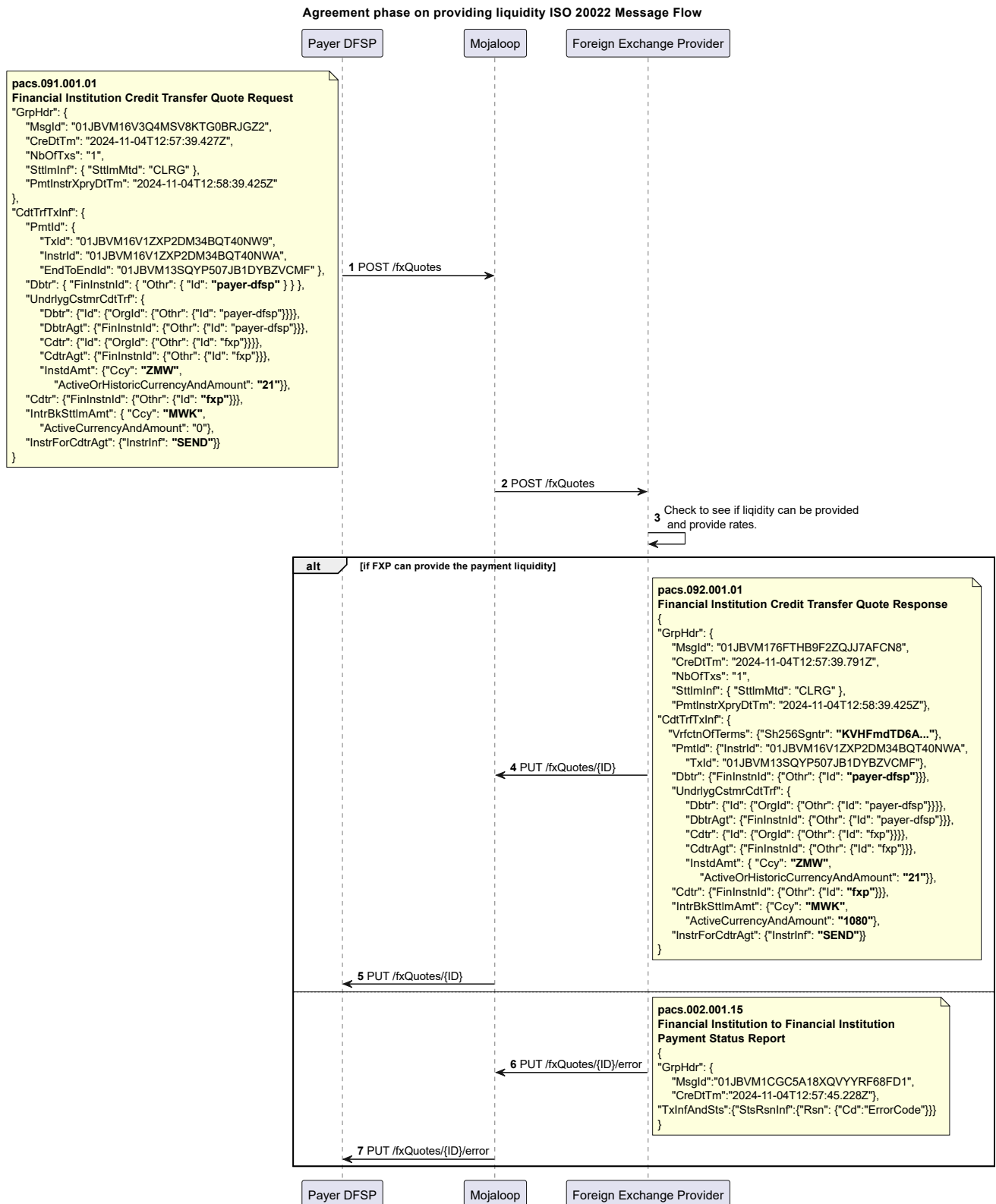
The agreement phase is further divided into two phases.

5.1 Currency Conversion Agreement Sub-Phase

The Currency Conversion Agreement Sub-Phase is an optional step within the Agreement Phase, activated only when the transfer involves a currency conversion. During this sub-phase, the payer DFSP (Digital Financial Services Provider) coordinates with a foreign exchange (FX) provider to secure cross-currency liquidity required to complete the transaction. This step establishes the FX rates and associated fees, ensuring that both the DFSP and the FXP can rely on transparent and agreed-upon conversion terms. By addressing currency conversion needs before committing to the transfer, this sub-phase helps prevent delays and discrepancies, supporting a seamless cross-border transaction experience.

5.1.1 Message flow

The sequence diagram shows the discovery example messages in a Payer initiated P2P transfer.



5.1.2 fxQuotes Resource

Endpoint	Message
POST /fxQuotes/{ID}	pacs.091.001
PUT /fxQuotes/{ID}	pacs.092.001

Endpoint	Message
PUT /fxQuotes/{ID}/error	pacs.002.001.15

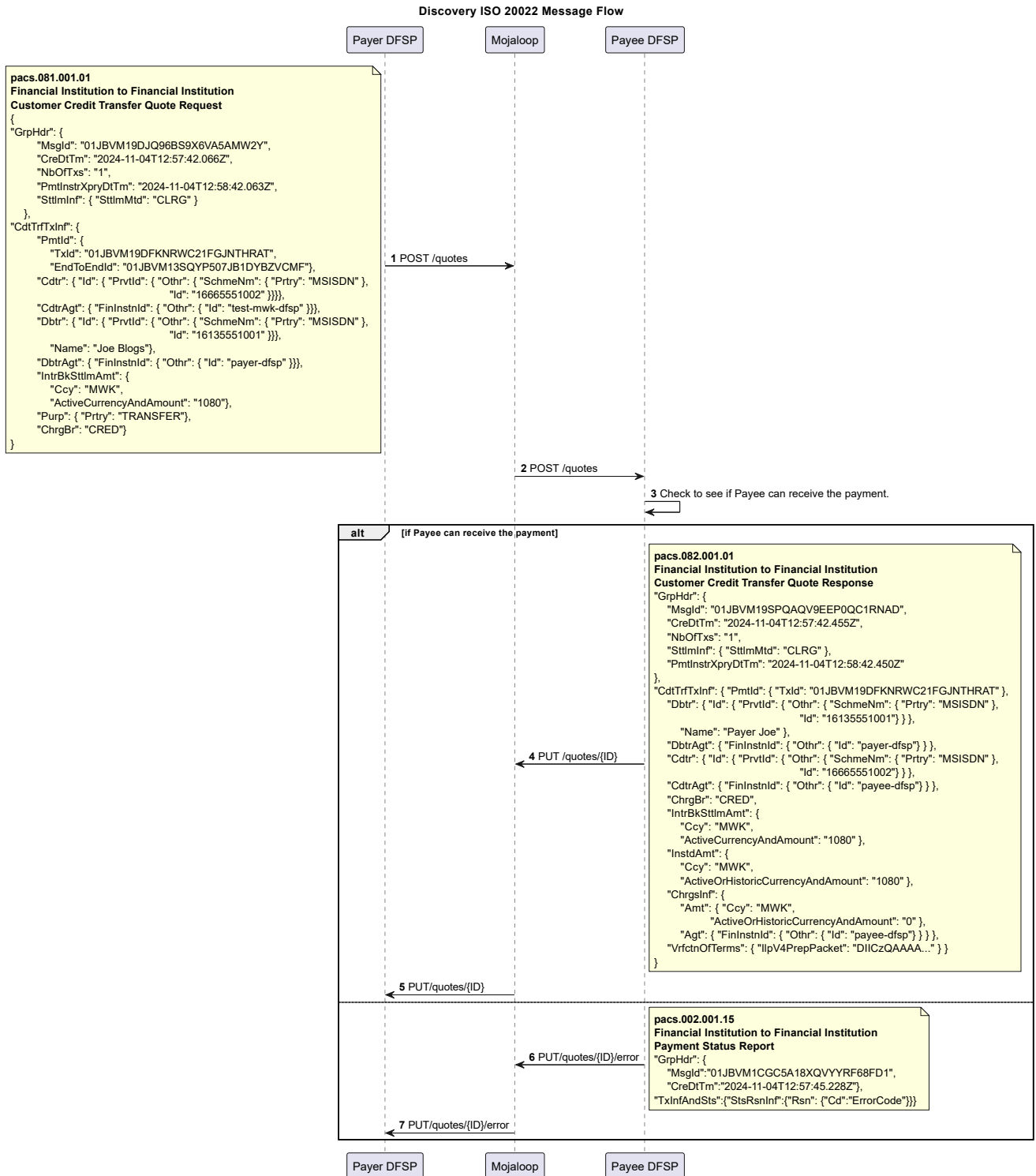
5.2 Transfer Terms Agreement Sub-Phase

The End-to-End Terms Agreement Sub-Phase involves the collaborative establishment of the transfer terms between the payer DFSP and the payee DFSP. This process ensures both parties are aligned on critical details such as the amount to be transferred, fees, and timing requirements. This sub-phase also facilitates the cryptographic signing of these terms, providing a robust framework for non-repudiation and accountability. By finalizing the transfer terms in a transparent manner, this sub-phase minimizes the risk of errors or disputes, enhancing the efficiency and trustworthiness of the overall Mojaloop transfer process.

5.2.1 Message flow

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The sequence diagram shows the discovery example messages in a Payer initiated P2P transfer.



5.2.2 Quotes Resource

Endpoint	Message
POST /quotes/{ID}	pacs.081.001
PUT /quotes/{ID}	pacs.082.001
PUT /quotes/{ID}/error	pacs.002.001.15

6. Transfer Phase

Once the agreements have been successfully established during the Agreement Phase, accepting these terms triggers the Transfer Phase, where the actual movement of funds occurs. This phase is executed with precision to ensure that the agreed terms are honored, and all participants fulfill their commitments. The Transfer Phase is divided into two sub-phases: the Currency Conversion Execution Sub-Phase and the Transfer Clearing Sub-Phase, each corresponding to its respective sub-phase in the Agreement Phase.

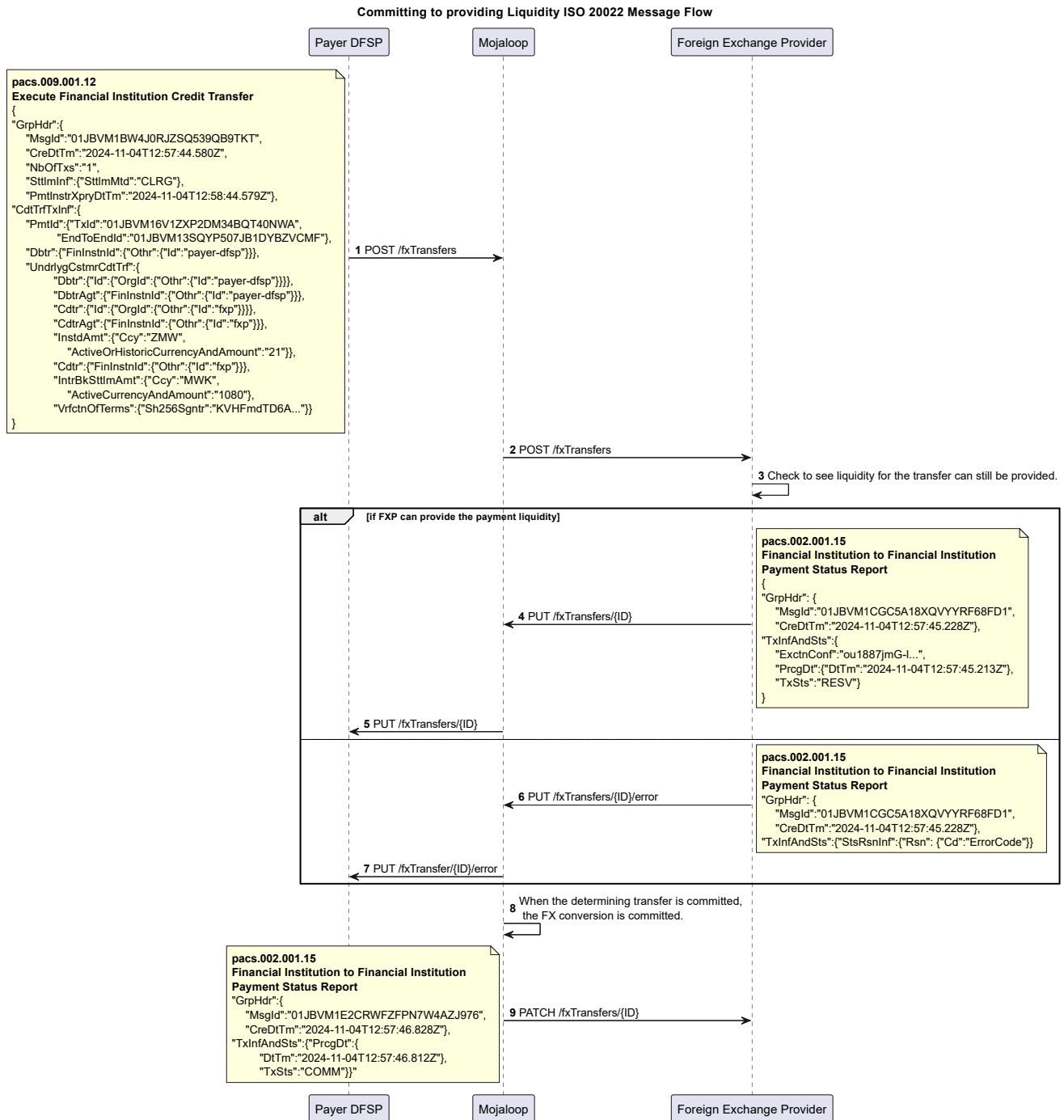
6.1 Accepting Currency Conversion terms

The Currency Conversion Execution Sub-Phase occurs if the transfer involves a currency exchange. In this step, the foreign exchange provider, as agreed during the Agreement Phase, executes the currency conversion. The liquidity required for the cross-currency transfer is provided, and the converted funds are prepared for onward movement to the payee DFSP. This sub-phase is an opportunity for the FXP to ensure that the FX rates and fees agreed upon earlier are adhered to, safeguarding the transaction's financial integrity and transparency.

6.1.1 Message flow

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The sequence diagram shows the transfer example messages in a Payer initiated P2P transfer.



6.1.2 fxTransfers Resource

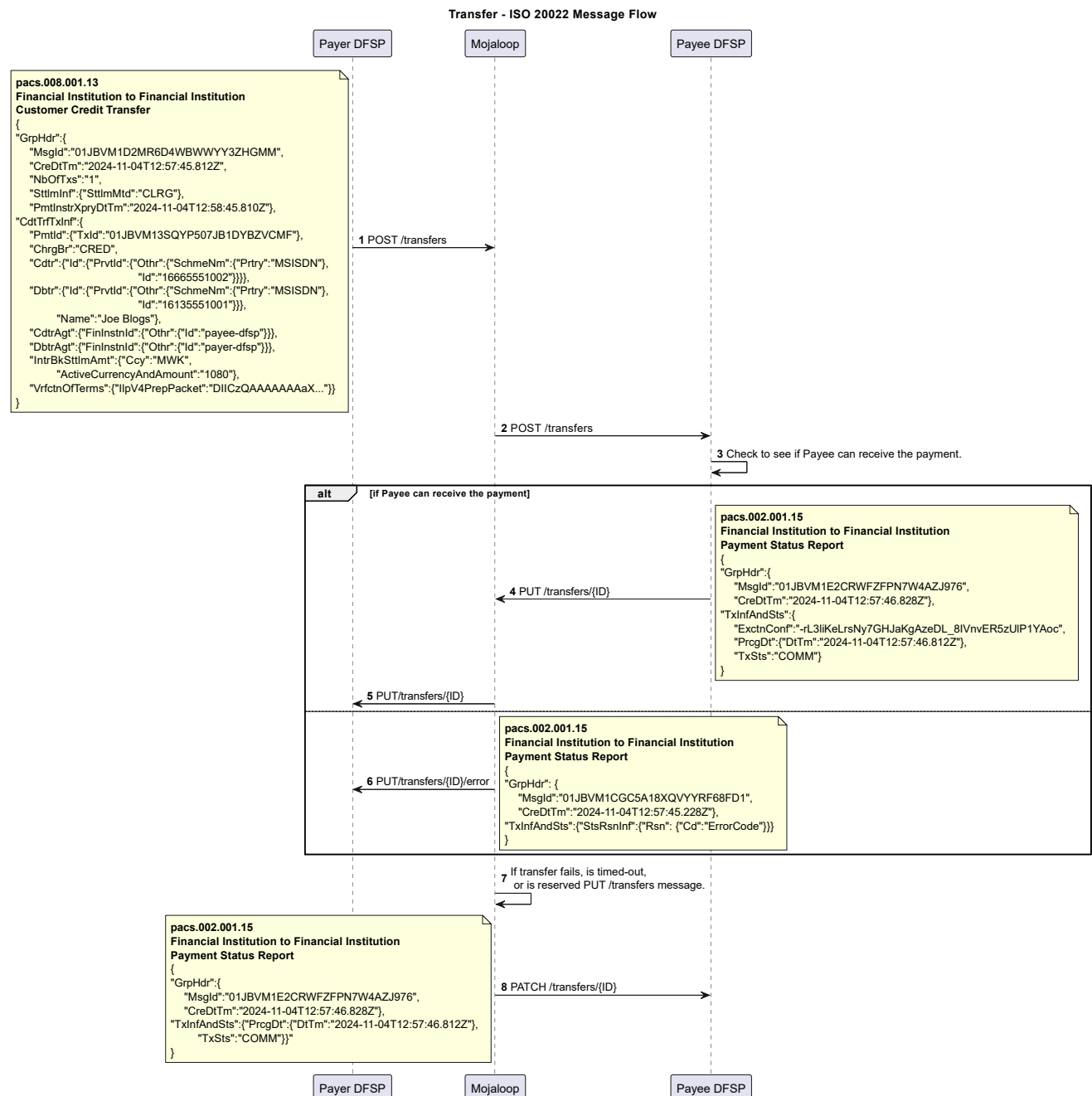
Endpoint	Message
POST /fxTransfers/{ID}	pacs.009.001
PUT /fxTransfers/{ID}	pacs.002.001.15
PUT /fxTransfers/{ID}/error	pacs.002.001.15
PATCH /fxTransfers/{ID}/error	pacs.002.001.15

6.2 Transfer Execution and Clearing

The Funds Settlement Sub-Phase involves the actual transfer of funds between the payer DFSP and the payee DFSP. This step ensures that the amount agreed upon, including any associated fees, is accurately cleared in the appropriate accounts. This sub-phase completes the financial transaction, fulfilling the commitments made during the Agreement Phase. Through secure and efficient fund movement mechanisms, this sub-phase ensures that the transfer is completed smoothly and in compliance with the agreed terms.

6.2.1 Message flow

The sequence diagram shows the discovery example messages in a Payer initiated P2P transfer.



6.2.2 Transfers Resource

Endpoint	Message
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Endpoint	Message
POST /transfers/{ID}	pacs.008.001
PUT /transfers/{ID}	pacs.002.001.15
PUT /transfers/{ID}/error	pacs.002.001.15
PATCH /transfers/{ID}/error	pacs.002.001.15

7. API Message Details

7.1 GET /parties/{type}/{partyIdentifier}/{subId}

The GET /parties endpoint does not support or require a payload, and can be seen as an instruction to trigger an Account identification Verification report.

- **{type}** - Party identifier types
The **{type}** refers to the classification of the party Identifier type. Each scheme only supports a limited number of these codes. The codes supported by the scheme may be derived from the ISO 20022 external organisation or personal identification codes, or they could be FSPIOP supported codes. The full list of supported codes is available in the [Appendix A](#).
- **partyIdentifier**
This is the party identifier of the party being represented and of the type specified by the {type} above.
- **{subId}**
This represent a sub-identifier or sub-type for the party that some implementations require in order to ensure uniqueness of the identifier.

7.2 PUT /Parties/{type}/{partyIdentifier}/{subId}

Account Identification Verification Report - acmt.024.001.04

Context

(DFSP -> DFSP)

This is triggers as a callback response to the GET /parties call. The message is between DFSPs connected in the scheme and is a check that validates that the account represented is active.

Here is an example of the message:

```
{
  "Assgnmt": {
    "MsgId": "01JBVM14S6SC453EY9XB9GXQB5",
    "CreDtTm": "2024-11-04T12:57:37.318Z",
```



```

    "Assgnr": { "Agt": { "FinInstnId": { "Othr": { "Id": "payee-dfps" }}}},
    "Assgne": { "Agt": { "FinInstnId": { "Othr": { "Id": "payer-dfsp" }}}}},
    "Rpt": {
      "Vrfctn": true,
      "OrgnlId": "MSISDN/16665551002",
      "UpdtdPtyAndAcctId": {
        "Pty": {
          "Id": {"PrvtId": {"Othr": {"SchmeNm": {"Prtry": "MSISDN"},
            "Id": "16665551002"}}}},
          "Nm": "Chikondi Banda"},
          "Agt": { "FinInstnId": { "Othr": { "Id": "payee-dfsp" }}}},
          "Acct": { "Ccy": "MWK" }}}
    }

```

Message Details

The details on how to compose and make this API are covered in the following sections:

1. [Core Data Elements](#)

This section specifies which fields are required, which fields are optional, and which fields are unsupported in order to meet the message validating requirements.

2. [Header Details](#)

This general section specifies the header requirements for the API are specified.

3. [Supported HTTP Responses](#)

This general section specifies the http responses that must be supported.

4. [Common Error Payload](#)

This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not compatible with a Mojaloop scheme, and will fail message validation if provided.

Here is the defined core data element table.

ISO 20022 Field	Data Model	Description
Assgnmt - IdentificationAssignment4	[1..1]	
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.

CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	<p>date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.</p> <p>Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day</p> <p>2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.</p>
Cretr - Party50Choice	[0..0]	
FrstAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
Assgnr - Party50Choice	[1..1]	
Assgne - Party50Choice	[1..1]	
OrgnlAssgnmt - MessageIdentification8	[0..0]	
Rpt - VerificationReport5	[1..1]	
OrgnlId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
Vrfctn - Definition: Identifies whether the party and/or account information received is correct.	[1..1]	<ul style="list-style-type: none"> • Meaning When True: Indicates that the identification information received is correct. • Meaning When False: Indicates that the identification information received is incorrect
Rsn - Choice of format for the verification reason.	[0..1]	Only one, between the coded and the proprietary, can be chosen.
OrgnlPtyAndAcctId - IdentificationInformation5	[0..1]	
Pty - PartyIdentification	[0..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[0..1]	NOTE: Unsure on the description.

CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..0]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
Acct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.
Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.
Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
Agt - BranchAndFinancialInstitutionIdentification	[0..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[0..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in

ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$		
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.

TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UpdtdPtyAndAcctId - IdentificationInformation5	[1..1]	
Pty - PartyIdentification	[1..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[1..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..0]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.

JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
Acct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.
Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.
Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
Agt - BranchAndFinancialInstitutionIdentification	[0..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[0..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.

PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.
Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.

7.3 PUT /parties/{type}/{partyIdentifier}/{subId}/error

Context

(DFSP -> DFSP)

This is triggered as a callback response to the GET /parties call when an error occurs. The message is between DFSPs connected in the scheme and indicates an error in the account verification process. All DFSP participating the the scheme are expected to respond with this message.

Here is an example of the message:

```
{
  "Assgnmt": {
    "MsgId": "01JBVM14S6SC453EY9XB9GXQBW",
    "CreDtTm": "2013-03-07T16:30:00",
    "Assgnr": { "Agt": { "FinInstnId": { "Othr": { "Id": "payee-dfsp" } } } },
    "Assgne": { "Agt": { "FinInstnId": { "Othr": { "Id": "payer-dfsp" } } } }
  },
  "Rpt": {
    "Vrfctn": false,
    "OrgnlId": "MSISDN/16665551002",
    "CreDtTm": "2013-03-07T16:30:00",
    "Rsn": { "Cd": 3204 }
  }
}
```

Message Details

The details on how to compose and make this API are covered in the following sections:

1. [Core Data Elements](#)

This section specifies which fields are required, which fields are optional, and which fields are unsupported in order to meet the message validating requirements.

2. [Header Details](#)

This general section specifies the header requirements for the API are specified.

3. [Supported HTTP Responses](#)

This general section specifies the http responses that must be supported.

4. [Common Error Payload](#)

This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not compatible with a Mojaloop scheme, and will fail message validation if provided.

Here is the defined core data element table.

ISO 20022 Field	Data Model	Description
Assgnmt - IdentificationAssignment4	[1..1]	
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	<p>date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.</p> <p>Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day</p> <p>2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.</p>
Cretr - Party50Choice	[0..0]	
FrstAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
Assgnr - Party50Choice	[1..1]	
Assgne - Party50Choice	[1..1]	
OrgnlAssgnmt - MessageIdentification8	[0..0]	
Rpt - VerificationReport5	[1..1]	
OrgnId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
Vrfctn - Definition: Identifies whether the party and/or account information received is correct.	[1..1]	<ul style="list-style-type: none"> • Meaning When True: Indicates that the identification information received is correct. • Meaning When False: Indicates that the identification information received is incorrect
Rsn - Choice of format for the verification reason.	[1..1]	Only one, between the coded and the proprietary, can be chosen.
OrgnPtyAndAcctId - IdentificationInformation5	[0..1]	
Pty - PartyIdentification	[0..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.

BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[0..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..0]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
Acct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.
Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.

Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
Agt - BranchAndFinancialInstitutionIdentification	[0..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[0..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.

PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UpdtdPtyAndAcctId - IdentificationInformation5	[0..1]	
Pty - PartyIdentification	[0..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[0..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of

		particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..0]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
Acct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.
Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.
Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
Agt - BranchAndFinancialInstitutionIdentification	[0..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[0..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbId - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
MmbId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$

Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.

TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.
Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.

7.4 POST /fxQuotes/

Financial Institution Credit Transfer Quote Request - pacs.091.001.01

Context

(DFSP -> FXP)

This message is initiated by a DFSP who is requesting liquidity cover in another currency to fund a transfer. The message is sent to a foreign exchange provider and is a request for conversion terms. The source currency is specified in `CdtTrfTxInf.UndrlygCstmrCdtTrf.InstdAmt.Ccy` and the target currency is specified in `CdtTrfTxInf.IntrBkSttlmAmt.Ccy`.

Conversion Type SEND

If the `CdtTrfTxInf.InstrForCdtrAgt.InstrInf` is defined as **SEND**, then the source currency amount is expected to be defined `CdtTrfTxInf.UndrlygCstmrCdtTrf.InstdAmt.ActiveOrHistoricCurrencyAndAmount`, and the target currency amount will be calculated based on the source currency amount and fees. (The target amount `CdtTrfTxInf.IntrBkSttlmAmt.ActiveCurrencyAndAmount` should be specified as 0 and will not be used in the calculation.)

Conversion Type RECEIVE

If the `CdtTrfTxInf.InstrForCdtrAgt.InstrInf` is defined as **RECEIVE**, then the target currency amount is expected to be defined `CdtTrfTxInf.IntrBkSttlmAmt.ActiveCurrencyAndAmount`, and the source currency amount will be calculated based on the target currency amount and fees. (The source amount `CdtTrfTxInf.UndrlygCstmrCdtTrf.InstdAmt.ActiveOrHistoricCurrencyAndAmount` should be specified as 0 and will not be used in the calculation.)

In this phase of the transfer all participants to agree on the terms, and are expected to validate whether the transfer will be able to proceed. The Foreign Exchange provider is expected to respond to this request with a PUT /fxQuotes callback.

Here is an example of the message:

```

{
  "GrpHdr": {
    "MsgId": "01JBVM16V3Q4MSV8KTG0BRJGZ2",
    "CreDtTm": "2024-11-04T12:57:39.427Z",
    "NbOfTxS": "1",
    "SttlmInf": { "SttlmMtd": "CLRG" },
    "PmtInstrXpryDtTm": "2024-11-04T12:58:39.425Z"
  },
  "CdtTrfTxInf": {
    "PmtId": {
      "TxId": "01JBVM16V1ZXP2DM34BQT40NW9",
      "InstrId": "01JBVM16V1ZXP2DM34BQT40NWA",
      "EndToEndId": "01JBVM13SQYP507JB1DYBZVCMF" },
    "Dbtr": { "FinInstnId": { "Othr": { "Id": "payer-dfsp" } } },
    "UndrlygCstmrCdtTrf": {
      "Dbtr": { "Id": { "OrgId": { "Othr": { "Id": "payer-dfsp" } } } },
      "DbtrAgt": { "FinInstnId": { "Othr": { "Id": "payer-dfsp" } } },
      "Cdtr": { "Id": { "OrgId": { "Othr": { "Id": "fxp" } } } },
      "CdtrAgt": { "FinInstnId": { "Othr": { "Id": "fxp" } } },
      "InstdAmt": { "Ccy": "ZMW",
        "ActiveOrHistoricCurrencyAndAmount": "21" },
      "Cdtr": { "FinInstnId": { "Othr": { "Id": "fxp" } } },
      "IntrBkSttlmAmt": { "Ccy": "MWK",
        "ActiveCurrencyAndAmount": "0" },
      "InstrForCdtrAgt": { "InstrInf": "SEND" }
    }
  }
}

```

Message Details

The details on how to compose and make this API are covered in the following sections:

1. [Core Data Elements](#)

This section specifies which fields are required, which fields are optional, and which fields are unsupported in order to meet the message validating requirements.

2. [Header Details](#)

This general section specifies the header requirements for the API are specified.

3. [Supported HTTP Responses](#)

This general section specifies the http responses that must be supported.

4. [Common Error Payload](#)

This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
---------------------	-------------

required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not compatible with a Mojaloop scheme, and will fail message validation if provided.

Here is the defined core data element table.

ISO 2022 Field	Data Model	Description
GrpHdr - GroupHeader113	[1..1]	
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	<p>date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.</p> <p>Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.</p>
BtchBookg - BatchBookingIndicator	[0..0]	
NbOfTxs - MaxNumericText	[1..1]	Specifies a numeric string with a maximum length of 15 digits.
CtrlSum - DecimalNumber	[0..0]	
TtlIntrBkSttlmAmt - ActiveCurrencyAndAmount	[0..0]	A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.
IntrBkSttlmDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SttlmInf - Specifies the details on how the settlement of the original transaction(s) between the	[1..1]	instructing agent and the instructed agent was completed.
SttlmMtd - Specifies the method used to settle the credit transfer instruction.	[1..1]	INDA: Indirect Account INGA: Indirect Agent COVE: Cover CLRG: Clearing
SttlmAcct - CashAccount	[0..0]	Provides the details to identify an account.
ClrSys - ClearingSystemIdentification3Choice	[0..0]	
InstgRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstgRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
InstdRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
ThrdRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
ThrdRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
PmtTpInf - PaymentTypeInformation	[0..0]	Provides further details of the type of payment.

InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
CdtTrfTxInf - CreditTransferTransaction62	[1..1]	
PmtId - PaymentIdentification	[1..1]	Provides further means of referencing a payment transaction.
InstrId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
EndToEndId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TxId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
UETR - UUIDv4Identifier	[0..1]	
ClrSysRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
PmtTpInf - PaymentTypeInformation	[0..1]	Provides further details of the type of payment.
InstrPrty - Indicator of the urgency or order of importance that the instructing party	[0..1]	would like the instructed party to apply to the processing of the instruction. HIGH: High priority NORM: Normal priority
ClrChanl - Specifies the clearing channel for the routing of the transaction, as part of	[0..1]	the payment type identification. RTGS: RealTimeGrossSettlementSystem Clearing channel is a real-time gross settlement system. RTNS: RealTimeNetSettlementSystem Clearing channel is a real-time net settlement system. MPNS: MassPaymentNetSystem Clearing channel is a mass payment net settlement system. BOOK: BookTransfer Payment through internal book transfer.
SvcLvl - ServiceLevelChoice	[0..1]	Details about a service level.
LclInstrm - LocalInstrumentChoice	[0..1]	Specifies the local instrument, as published in an external local instrument code list or as a proprietary code.
CtgyPurp - CategoryPurposeChoice	[0..1]	Contains details about high level purpose of the mandate based on a set of pre-defined categories.
IntrBkSttlmAmt - ActiveCurrencyAndAmount	[1..1]	A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.
IntrBkSttlmDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SttlmPrty - Priority3Code	[0..0]	
SttlmTmIndctn - SettlementDateTimeIndication1	[0..0]	
SttlmTmReq - SettlementTimeRequest2	[0..0]	
PrvsInstgAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.

IntrmyAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
UltmtDbtr - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
Dbtr - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnld - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysld - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Brnchld - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$

Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
DbtrAcct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.
Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.
Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
DbtrAgt - BranchAndFinancialInstitutionIdentification	[0..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[0..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.

PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.

DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
DbtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
CdtrAgt - BranchAndFinancialInstitutionIdentification	[0..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[0..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.

LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
CdtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
Cdtr - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.

Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
CdtrAcct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.

Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.
Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
UltmtCdtr - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstrForCdttrAgt - InstructionForCreditorAgent	[1..1]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the creditor agent.
Cd - ExternalCreditorAgentInstructionCode	[0..1]	Specifies the instruction given by the creditor to the creditor agent.
InstrInf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
InstrForNxtAgt - InstructionForNextAgent	[0..0]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the next agent in the payment chain.
Purp - Specifies the underlying reason for the payment transaction.	[0..1]	Usage: Purpose is used by the end-customers, that is initiating party, (ultimate) debtor, (ultimate) creditor to provide information concerning the nature of the payment. Purpose is a content element, which is not used for processing by any of the agents involved in the payment chain.
RmtInf - RemittanceInformation2	[0..0]	
UndrlygAllcn - TransactionAllocation1	[0..0]	
UndrlygCstmrCdtTrf - CreditTransferTransaction63	[1..1]	
UltmtDbtr - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
InitgPty - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
Dbtr - PartyIdentification	[1..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names

		obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[1..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
DbtrAcct - CashAccount	[0..0]	Provides the details to identify an account.
DbtrAgt - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.

BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
DbtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.

PrvsInstgAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
CdtrAgt - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names

		obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
CdtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
Cdtr - PartyIdentification	[1..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.

PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[1..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtIs - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
CdtrAcct - CashAccount	[0..0]	Provides the details to identify an account.
UltmtCdtr - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
InstrForCdtrAgt - InstructionForCreditorAgent	[0..0]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the creditor agent.
InstrForNxtAgt - InstructionForNextAgent	[0..0]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the next agent in the payment chain.
Tax - TaxData	[0..0]	Details about tax paid, or to be paid, to the government in accordance with the law, including pre-defined parameters such as thresholds and type of account.
RmtInf - RemittanceInformation22	[0..0]	
InstdAmt - ActiveOrHistoricCurrencyAndAmount	[1..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
SplmtryData - SupplementaryData	[0..0]	Additional information that cannot be captured in the structured fields and/or any other specific block.

7.5 PUT /fxQuotes/{ID}

Financial Institution Credit Transfer Quote Response - pacs.092.001.01

Context

(FXP -> DFSP)

This is triggered as a callback response to the POST /fxQuotes call. The message is generated by the foreign exchange provider and is a message response that includes the conversion terms. The FXP is expected to respond with this message if a terms requested are favorable and the FXP would like to participate in the transaction.

The source currency amount is expected to be defined

`CdtTrfTxInf.UndrlygCstmrCdtTrf.InstdAmt.ActiveOrHistoricCurrencyAndAmount`, and the target currency amount is provided in the `CdtTrfTxInf.IntrBkSttlmAmt.ActiveCurrencyAndAmount` field.

These are clearing amounts and must have fees already included in their calculation.

The `GrpHdr.PmtInstrXpryDtTm` specifies the expiry of the terms presented. It is the responsibility of the FXP to enforce this expiry in the transfer phase of a transaction.

The `CdtTrfTxInf.VrfctnOfTerms.Sh256Sgntr` must contain the ILPv4 cryptographically signed condition, which is a cryptographic version of the conversion terms.

Here is an example of the message:

```
{
  "GrpHdr": {
    "MsgId": "01JBVM176FTHB9F2ZQJJ7AFCN8",
    "CreDtTm": "2024-11-04T12:57:39.791Z",
    "NbOfTxS": "1",
    "SttlmInf": { "SttlmMtd": "CLRG" },
    "PmtInstrXpryDtTm": "2024-11-04T12:58:39.425Z"
  },
  "CdtTrfTxInf": {
    "VrfctnOfTerms": { "Sh256Sgntr": "KVHfmdTD6A..." },
    "PmtId": { "InstrId": "01JBVM16V1ZXP2DM34BQT40NWA",
      "TxId": "01JBVM13SQYP507JB1DYBZVCMF" },
    "Dbtr": { "FinInstnId": { "Othr": { "Id": "payer-dfsp" } } },
    "UndrlygCstmrCdtTrf": {
      "Dbtr": { "Id": { "OrgId": { "Othr": { "Id": "payer-dfsp" } } } },
      "DbtrAgt": { "FinInstnId": { "Othr": { "Id": "payer-dfsp" } } },
      "Cdtr": { "Id": { "OrgId": { "Othr": { "Id": "fxp" } } } },
      "CdtrAgt": { "FinInstnId": { "Othr": { "Id": "fxp" } } },
      "InstdAmt": { "Ccy": "ZMW",
        "ActiveOrHistoricCurrencyAndAmount": "21" },
      "Cdtr": { "FinInstnId": { "Othr": { "Id": "fxp" } } },
      "IntrBkSttlmAmt": { "Ccy": "MWK",
```

```

    "ActiveCurrencyAndAmount": "1080"},
    "InstrForCdtrAgt": {"InstrInf": "SEND"}}
}

```

Message Details

The details on how to compose and make this API are covered in the following sections:

1. Core Data Elements

This section specifies which fields are required, which fields are optional, and which fields are unsupported in order to meet the message validating requirements.

2. Header Details

This general section specifies the header requirements for the API are specified.

3. Supported HTTP Responses

This general section specifies the http responses that must be supported.

4. Common Error Payload

This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not compatible with a Mojaloop scheme, and will fail message validation if provided.

Here is the defined core data element table.

ISO 20022 Field	Data Model	Description
GrpHdr - GroupHeader113	[1..1]	
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	<p>date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.</p> <p>Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day</p> <p>2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the</p>

involved parties shall agree on the maximum number of digits that are allowed.

BtchBookg - BatchBookingIndicator	[0..0]	
NbOfTxs - MaxNumericText	[1..1]	Specifies a numeric string with a maximum length of 15 digits.
CtrlSum - DecimalNumber	[0..0]	
TtlIntrBkSttlmAmt - ActiveCurrencyAndAmount	[0..0]	A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.
IntrBkSttlmDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SttlmInf - Specifies the details on how the settlement of the original transaction(s) between the	[1..1]	instructing agent and the instructed agent was completed.
SttlmMtd - Specifies the method used to settle the credit transfer instruction.	[1..1]	INDA: Indirect Account INGA: Indirect Agent COVE: Cover CLRG: Clearing
SttlmAcct - CashAccount	[0..0]	Provides the details to identify an account.
ClrSys - ClearingSystemIdentification3Choice	[0..0]	
InstgRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstgRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
InstdRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
ThrdRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
ThrdRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
PmtTplnf - PaymentTypeInformation	[0..0]	Provides further details of the type of payment.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
CdtTrfTxInf - CreditTransferTransaction62	[1..1]	
PmtId - PaymentIdentification	[1..1]	Provides further means of referencing a payment transaction.
InstId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
EndToEndId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TxId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
UETR - UUIDv4Identifier	[0..1]	
ClrSysRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
PmtTplnf - PaymentTypeInformation	[0..1]	Provides further details of the type of payment.
InstrPrty - Indicator of the urgency or order of importance that the instructing party	[0..1]	would like the instructed party to apply to the processing of the instruction. HIGH: High priority NORM: Normal priority
ClrChanl - Specifies the clearing channel for the routing of the transaction, as part of	[0..1]	the payment type identification. RTGS: RealTimeGrossSettlementSystem Clearing channel is a real-time gross settlement system. RTNS: RealTimeNetSettlementSystem Clearing channel is a real-time net settlement system. MPNS: MassPaymentNetSystem Clearing channel is a mass payment net settlement system. BOOK: BookTransfer Payment through internal book transfer.
SvcLvl - ServiceLevelChoice	[0..1]	Details about a service level.
LclInstrm - LocalInstrumentChoice	[0..1]	Specifies the local instrument, as published in an external local

		instrument code list or as a proprietary code.
CtgyPurp - CategoryPurposeChoice	[0..1]	Contains details about high level purpose of the mandate based on a set of pre-defined categories.
IntrBkSttlmAmt - ActiveCurrencyAndAmount	[1..1]	A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.
IntrBkSttlmDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SttlmPrty - Priority3Code	[0..0]	
SttlmTmIndctn - SettlementDateTimelndctn1	[0..0]	
SttlmTmReq - SettlementTimeRequest2	[0..0]	
PrvslInstgAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvslInstgAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvslInstgAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvslInstgAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvslInstgAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvslInstgAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
UltmtDbtr - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
Dbtr - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
Finlnstnld - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysld - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.

Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
DbtrAcct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.
Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.
Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
DbtrAgt - BranchAndFinancialInstitutionIdentification	[0..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[0..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.

Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
DbtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
CdtrAgt - BranchAndFinancialInstitutionIdentification	[0..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[0..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.

AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.

Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
CdtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
Cdtr - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-

Z]{18,18}[0-9]{2,2})\$		
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
CdtrAcct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.
Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.
Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
UltmtCdtr - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstrForCdtrAgt - InstructionForCreditorAgent	[1..1]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the creditor agent.
Cd - ExternalCreditorAgentInstructionCode	[0..1]	Specifies the instruction given by the creditor to the creditor agent.
InstrInf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
InstrForNxtAgt - InstructionForNextAgent	[0..0]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the next agent in the payment chain.
Purp - Specifies the underlying reason for the payment transaction.	[0..1]	Usage: Purpose is used by the end-customers, that is initiating party, (ultimate) debtor, (ultimate) creditor to provide information concerning the nature of the payment. Purpose is a content element, which is not used for processing by any of the agents involved in the payment chain.

RmtInf - RemittanceInformation2	[0..0]	
UndrlygAllcn - TransactionAllocation1	[0..0]	
UndrlygCstmrCdtTrf - CreditTransferTransaction63	[1..1]	
UltmtDbtr - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
InitgPty - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
Dbtr - PartyIdentification	[1..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[1..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for

		communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
DbtrAcct - CashAccount	[0..0]	Provides the details to identify an account.
DbtrAgnt - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^{[0-9A-Z]{18,18}[0-9]{2,2}}\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.

Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
DbtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
CdtrAgt - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".

ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.

Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
CdtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
Cdtr - PartyIdentification	[1..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[1..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.

URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
CdtrAcct - CashAccount	[0..0]	Provides the details to identify an account.
UltmtCdtr - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
InstrForCdtrAgt - InstructionForCreditorAgent	[0..0]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the creditor agent.
InstrForNxtAgt - InstructionForNextAgent	[0..0]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the next agent in the payment chain.
Tax - TaxData	[0..0]	Details about tax paid, or to be paid, to the government in accordance with the law, including pre-defined parameters such as thresholds and type of account.
RmtInf - RemittanceInformation22	[0..0]	
InstdAmt - ActiveOrHistoricCurrencyAndAmount	[1..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
SplmtryData - SupplementaryData	[0..0]	Additional information that cannot be captured in the structured fields and/or any other specific block.
SplmtryData - SupplementaryData	[0..0]	Additional information that cannot be captured in the structured fields and/or any other specific block.

7.6 PUT /fxQuotes/{ID}/error

Financial Institution to Financial Institution Payment Status Report - pacs.002.001.15

Context

(DFSP -> FXP, FXP -> DFSP, HUB -> DFSP, HUB -> FXP)

This is triggered as a callback response to the POST /fxQuotes call when an error occurs. The message is generated by the entity who first encounter the error which can either be the DFSP, the HUB, or the FPX. All other participants involved are informed by this message. The **TxInfAndSts.StsRsnInf.Rsn.Cd** contains the Mojaloop error code, which specified the source and cause of the error.

Here is an example of the message:

```
{
  "GrpHdr": {
    "MsgId": "01JBVM1CGC5A18XQVYYRF68FD1",
    "CreDtTm": "2024-11-04T12:57:45.228Z"},
  ...
}
```



```
"TxInfAndSts":{"StsRsnInf":{"Rsn":{"Cd":"ErrorCode"}}}
```

Message Details

The details on how to compose and make this API are covered in the following sections:

1. [Core Data Elements](#)

This section specifies which fields are required, which fields are optional, and which fields are unsupported in order to meet the message validating requirements.

2. [Header Details](#)

This general section specifies the header requirements for the API are specified.

3. [Supported HTTP Responses](#)

This general section specifies the http responses that must be supported.

4. [Common Error Payload](#)

This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not compatible with a Mojaloop scheme, and will fail message validation if provided.

Here is the defined core data element table.

ISO 20022 Field	Data Model	Description
GrpHdr - GroupHeader	[1..1]	Set of characteristics shared by all individual transactions included in the message.
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	<p>date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.</p> <p>Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day</p> <p>2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the</p>

involved parties shall agree on the maximum number of digits that are allowed.

InstgAgnt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgnt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
OrgnlBizQry - OriginalBusinessQuery1	[0..0]	
OrgnlGrpInfAndSts - OriginalGroupHeader22	[0..0]	
TxInfAndSts - PaymentTransaction161	[1..1]	
StsId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlGrpInf - OriginalGroupInformation29	[0..0]	
OrgnlInstrId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlEndToEndId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlTxId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlUETR - UUIDv4Identifier	[0..1]	
TxSts - Specifies the external payment transaction status code.	[0..1]	<p>For FSPIOP transfer state enumeration mappings:</p> <pre>{ "COMM": "COMMITTED", "RESV": "RESERVED", "RECV": "RECEIVED", "ABOR": "ABORTED" }</pre> <p>NOTE: enum enforcement is not apart of the ISO20022 specification, but is added here for FSPIOP mappings.</p>
StsRsnInf - StatusReasonInformation	[1..1]	Unsure on description.
Orgtr - PartyIdentification	[0..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[0..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
Rsn - StatusReasonChoice	[1..1]	Specifies the reason for the status.
AddtlInf - MaxText	[0..1]	Specifies a character string with a maximum length of 105 characters.
ChrgsInf - NOTE: Unsure on description.	[0..0]	Seemingly a generic schema for charges, with an amount, agent, and type.
AcctncDtTm - A particular point in the progression of time defined by a mandatory	[0..1]	date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601. Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.
PrcgDt - StatusReasonChoice	[0..1]	Specifies the reason for the status.
FctvIntrBkSttlmDt - StatusReasonChoice	[0..0]	Specifies the reason for the status.
AcctSvcrRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
ClrSysRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
OrgnlTxRef - OriginalTransactionReference42	[0..0]	
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.

Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.
Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.

7.7 POST /quotes

Financial Institution to Financial Institution Customer Credit Transfer Quote Request - pacs.081.001.01

Context

(DFSP -> DFSP)

This request for quote message that is initiated by the payer DFSP who is requesting the payee DFSP to provide the terms of the transfer. The reply to this request is a callback made on the PUT /quotes endpoint. In this phase of the transfer all participants present and agree on the terms of the transfer, and are expected to validate whether the transfer will be able to proceed.

If this transaction includes currency conversion, then the transfer amount and currency specified must be in target currency. The transfer amounts is specified in the `CdtTrfTxInf.IntrBkSttlmAmt.ActiveCurrencyAndAmount` and the `CdtTrfTxInf.IntrBkSttlmAmt.Ccy` fields. Both the `ChrgBr` type `CRED` and `DEBT` are supported.

Charge Type `CRED`

If the `CdtTrfTxInf.ChrgBr` is defined as `CRED`, then the transfer amount is expected to remain the same in the returned transfer terms and the payee party receive amount is adjusted to account for any fees.

Charge Type `DEBT`

If the `CdtTrfTxInf.ChrgBr` is defined as `DEBT`, then the amount the payee party receives must equal the transfer amount specified. The transfer amount in returned transfer terms is adjusted to account for any fees.

The Identifier for this request must be a ULID generated identifier and is specified in the `CdtTrfTxInf.PmtId.TxId` field. If this transfer is part of a wider transaction, then that too is represented by a ULID specified in the `CdtTrfTxInf.PmtId.EndToEndId` field.

Here is an example of the message:

```
{
  "GrpHdr": {
    "MsgId": "01JBVM19DJQ96BS9X6VA5AMW2Y",
    "CreDtTm": "2024-11-04T12:57:42.066Z",
    "NbOfTxS": "1",
```

```

    "PmtInstrXpryDtTm": "2024-11-04T12:58:42.063Z",
    "SttlmInf": { "SttlmMtd": "CLRG" }
  },
  "CdtTrfTxInf": {
    "PmtId": {
      "TxId": "01JBVM19DFKNRWC21FGJNTHRAT",
      "EndToEndId": "01JBVM13SQYP507JB1DYBZVCMF"},
    "Cdtr": { "Id": { "PrvtId": { "Othr": { "SchmeNm": { "Prtry": "MSISDN"
                                                                    "Id": "16665551002" }}}}},
    "CdtrAgt": { "FinInstnId": { "Othr": { "Id": "test-mwk-dfsp" }}}},
    "Dbtr": { "Id": { "PrvtId": { "Othr": { "SchmeNm": { "Prtry": "MSISDN"
                                                                    "Id": "16135551001" }}}}},
    "Name": "Joe Blogs"},
    "DbtrAgt": { "FinInstnId": { "Othr": { "Id": "payer-dfsp" }}}},
    "IntrBkSttlmAmt": {
      "Ccy": "MWK",
      "ActiveCurrencyAndAmount": "1080"},
    "Purp": { "Prtry": "TRANSFER"},
    "ChrgBr": "CRED"}
  }

```

Message Details

The details on how to compose and make this API are covered in the following sections:

1. [Core Data Elements](#)

This section specifies which fields are required, which fields are optional, and which fields are unsupported in order to meet the message validating requirements.

2. [Header Details](#)

This general section specifies the header requirements for the API are specified.

3. [Supported HTTP Responses](#)

This general section specifies the http responses that must be supported.

4. [Common Error Payload](#)

This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not compatible with a Mojaloop scheme, and will fail message validation if provided.

Here is the defined core data element table.

ISO 2022 Field	Data Model	Description
GrpHdr - GroupHeader113	[1..1]	
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	<p>date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.</p> <p>Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.</p>
BtchBookg - BatchBookingIndicator	[0..0]	
NbOfTxs - MaxNumericText	[1..1]	Specifies a numeric string with a maximum length of 15 digits.
CtrlSum - DecimalNumber	[0..0]	
TtlIntrBkSttlmAmt - ActiveCurrencyAndAmount	[0..0]	A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.
IntrBkSttlmDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SttlmInf - Specifies the details on how the settlement of the original transaction(s) between the	[1..1]	instructing agent and the instructed agent was completed.
SttlmMtd - Specifies the method used to settle the credit transfer instruction.	[1..1]	INDA: Indirect Account INGA: Indirect Agent COVE: Cover CLRG: Clearing
SttlmAcct - CashAccount	[0..0]	Provides the details to identify an account.
ClrSys - ClearingSystemIdentification3Choice	[0..0]	
InstgRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstgRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
InstdRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
ThrdRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
ThrdRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
PmtTpInf - PaymentTypeInformation	[0..0]	Provides further details of the type of payment.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
CdtTrfTxInf - CreditTransferTransaction64	[1..1]	

PmtId - PaymentIdentification	[1..1]	Provides further means of referencing a payment transaction.
InstrId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
EndToEndId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TxId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
UETR - UUIDv4Identifier	[0..1]	
ClrSysRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
PmtTpInf - PaymentTypeInformation	[0..1]	Provides further details of the type of payment.
InstrPrty - Indicator of the urgency or order of importance that the instructing party	[0..1]	would like the instructed party to apply to the processing of the instruction. HIGH: High priority NORM: Normal priority
ClrChanl - Specifies the clearing channel for the routing of the transaction, as part of	[0..1]	the payment type identification. RTGS: RealTimeGrossSettlementSystem Clearing channel is a real-time gross settlement system. RTNS: RealTimeNetSettlementSystem Clearing channel is a real-time net settlement system. MPNS: MassPaymentNetSystem Clearing channel is a mass payment net settlement system. BOOK: BookTransfer Payment through internal book transfer.
SvcLvl - ServiceLevelChoice	[0..1]	Details about a service level.
LclInstrm - LocalInstrumentChoice	[0..1]	Specifies the local instrument, as published in an external local instrument code list or as a proprietary code.
CtgyPurp - CategoryPurposeChoice	[0..1]	Contains details about high level purpose of the mandate based on a set of pre-defined categories.
IntrBkSttlmAmt - ActiveCurrencyAndAmount	[1..1]	A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.
IntrBkSttlmDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SttlmPrty - Priority3Code	[0..0]	
SttlmTmIndctn - SettlementDateTimelndctn1	[0..0]	
SttlmTmReq - SettlementTimeRequest2	[0..0]	
AcceptncDtTm - A particular point in the progression of time defined by a mandatory	[0..0]	date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601. Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.
PoolgAdjstmntDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
InstdAmt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
XchgRate - BaseOneRate	[0..1]	Rate expressed as a decimal, for example, 0.7 is 7/10 and 70%.
ChrgBr - Specifies which party(ies) will pay charges due for processing of the	[1..1]	instruction. DEBT: BorneByDebtor All transaction charges are to be borne by the debtor. CRED: BorneByCreditor All transaction charges are to be borne by the creditor. SHAR: Shared In a credit transfer context, means that transaction charges on

the sender side are to be borne by the debtor, transaction charges on the receiver side are to be borne by the creditor. In a direct debit context, means that transaction charges on the sender side are to be borne by the creditor, transaction charges on the receiver

ChrgsInf - NOTE: Unsure on description.	[0..1]	Seemingly a generic schema for charges, with an amount, agent, and type.
Amt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
Agt - BranchAndFinancialInstitutionIdentification	[0..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[0..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.

Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Tp - ChargeType3Choice	[0..1]	Specifies the type of charge.
MndtRltdInf - CreditTransferMandateData1	[0..0]	
PrvsInstgAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
UltmtDbtr - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.

InitgPty - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
Dbtr - PartyIdentification	[1..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[1..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone

		FAXX: Fax CELL: Mobile phone
DbtrAcct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.
Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.
Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
DbtrAgt - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.

Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
DbtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
CdtrAgt - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.

AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.

CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
CdtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
Cdtr - PartyIdentification	[1..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[1..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.

ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
CdtrAcct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.
Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.
Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
UltmtCdtr - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
InstrForCdtrAgt - InstructionForCreditorAgent	[0..1]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the creditor agent.
Cd - ExternalCreditorAgentInstructionCode	[0..1]	Specifies the instruction given by the creditor to the creditor agent.
InstrInf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
InstrForNxtAgt - InstructionForNextAgent	[0..1]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the next agent in the payment chain.
Cd - Specifies further instructions concerning the processing of a payment	[0..1]	instruction, provided by the sending clearing agent to the next agent(s). PHOA: PhoneNextAgent Please advise/contact next agent by phone. TELA: TelecomNextAgent Please advise/contact next agent by the most efficient means of telecommunication.
InstrInf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Purp - Specifies the underlying reason for the payment transaction.	[1..1]	Usage: Purpose is used by the end-customers, that is initiating party, (ultimate) debtor, (ultimate) creditor to provide information concerning the nature of the payment. Purpose is a content element, which is not used for processing by any of the agents involved in the payment chain.
RgltryRptg - RegulatoryReporting	[0..1]	Information needed due to regulatory and/or statutory requirements.
DbtCdtRptgInd - Identifies whether the regulatory reporting information applies to the debit	[0..1]	side, to the credit side or to both debit and credit sides of the transaction. CRED: Regulatory reporting applies to the credit side of the transaction. DEBT: Regulatory reporting applies to the debit side of the transaction. BOTH: Regulatory reporting applies to both debit and credit sides of the transaction.
Authrty - RegulatoryAuthority	[0..1]	Information about an entity requiring the regulatory reporting information.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
Dtls - StructuredRegulatoryReporting3	[0..1]	Information needed due to regulatory and statutory requirements.
Tp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.

Dt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
Cd - MaxText	[0..1]	Specifies a character string with a maximum length of 10 characters.
Amt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
Inf - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Tax - TaxData	[0..1]	Details about tax paid, or to be paid, to the government in accordance with the law, including pre-defined parameters such as thresholds and type of account.
Cdtr - TaxParty	[0..1]	Details about the entity involved in the tax paid or to be paid.
TaxId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
RegnId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TaxTp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dbtr - TaxParty	[0..1]	Details about the entity involved in the tax paid or to be paid.
TaxId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
RegnId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TaxTp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Authstn - TaxAuthorisation	[0..1]	Details of an authorised tax paying party.
Titl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
UltmtDbtr - TaxParty	[0..1]	Details about the entity involved in the tax paid or to be paid.
TaxId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
RegnId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TaxTp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Authstn - TaxAuthorisation	[0..1]	Details of an authorised tax paying party.
Titl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
AdmstnZone - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
RefNb - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Mtd - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TtlTaxblBaseAmt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
TtlTaxAmt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
Dt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SeqNb - Number	[0..1]	
Rcrd - TaxRecord	[0..1]	Set of elements used to define the tax record.
Tp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctgy - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
CtgyDtls - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
DbtrSts - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
CertId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
FrmsCd - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Prd - TaxPeriod	[0..1]	Period of time details related to the tax payment.

Yr - ISOYear	[0..1]	Year represented by YYYY (ISO 8601).
Tp - Specifies the period related to the tax payment	[0..1]	MM01 FirstMonth Tax is related to the second month of the period. MM02 SecondMonth Tax is related to the first month of the period. MM03 ThirdMonth Tax is related to the third month of the period. MM04 FourthMonth Tax is related to the fourth month of the period. MM05 FifthMonth Tax is related to the fifth month of the period. MM06 SixthMonth Tax is related to the sixth month of the period. MM07 SeventhMonth Tax is related to the seventh month of the period. MM08 EighthMonth Tax is related to the eighth month of the period. MM09 NinthMonth Tax is related to the ninth month of the period. MM10 TenthMonth Tax is related to the tenth month of the period. MM11 EleventhMonth Tax is related to the eleventh month of the period. MM12 TwelfthMonth Tax is related to the twelfth month of the period. QTR1 FirstQuarter Tax is related to the first quarter of the period. QTR2 SecondQuarter Tax is related to the second quarter of the period. QTR3 ThirdQuarter Tax is related to the third quarter of the period. QTR4 FourthQuarter Tax is related to the fourth quarter of the period. HLF1 FirstHalf Tax is related to the first half of the period. HLF2 SecondHalf Tax is related to the second half of the period.
FrToDt - DatePeriod	[0..1]	Range of time defined by a start date and an end date.
FrDt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
ToDt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
TaxAmt - TaxAmount	[0..1]	Information on the amount of the tax record.
Rate - PercentageRate	[0..1]	
TaxblBaseAmt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
TtlAmt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
Dtls - TaxRecordDetails	[0..1]	Details on the tax period and amount.
Prd - TaxPeriod	[0..1]	Period of time details related to the tax payment.
Yr - ISOYear	[0..1]	Year represented by YYYY (ISO 8601).
Tp - Specifies the period related to the tax payment	[0..1]	MM01 FirstMonth Tax is related to the second month of the period. MM02 SecondMonth Tax is related to the first month of the period. MM03 ThirdMonth Tax is related to the third month of the period. MM04 FourthMonth Tax is related to the fourth month of the period. MM05 FifthMonth Tax is related to the fifth month of the period. MM06 SixthMonth Tax is related to the sixth month of the period. MM07 SeventhMonth Tax is related to the seventh month of the period. MM08 EighthMonth Tax is related to the eighth month of the period. MM09 NinthMonth Tax is related to the ninth month of the period. MM10 TenthMonth Tax is related to the tenth month of the period. MM11 EleventhMonth Tax is related to the eleventh month of the period. MM12 TwelfthMonth Tax is related to the twelfth month of the period. QTR1 FirstQuarter Tax is related to the first quarter of the period. QTR2 SecondQuarter Tax is related to the second quarter of the period. QTR3 ThirdQuarter Tax is related to the third quarter of the period. QTR4 FourthQuarter Tax is related to the fourth quarter of the period. HLF1 FirstHalf Tax is related to the first half of the period. HLF2 SecondHalf Tax is related to the second half of the period.
FrToDt - DatePeriod	[0..1]	Range of time defined by a start date and an end date.
FrDt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
ToDt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.

Amt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
AddtlInf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
RltdRmtInf - RemittanceLocation8	[0..0]	
RmtInf - RemittanceInformation22	[0..0]	
SplmtryData - SupplementaryData	[0..0]	Additional information that cannot be captured in the structured fields and/or any other specific block.
SplmtryData - SupplementaryData	[0..0]	Additional information that cannot be captured in the structured fields and/or any other specific block.

7.8 PUT /quotes/{ID}

Financial Institution to Financial Institution Customer Credit Transfer Quote Response - pacs.082.001.01

Context

(DFSP -> DFSP)

This is triggered as a callback response to the POST /quotes call. The message is generated by the payee DFSP and is a message response that includes the transfer terms. The payee DFSP is expected to respond with this message if a terms requested are favorable and the payee DFSP would like to participate in the transaction.

The transfer amounts is specified in the `CdtTrfTxInf.IntrBkSttlmAmt.ActiveCurrencyAndAmount` and the `CdtTrfTxInf.IntrBkSttlmAmt.Ccy` fields. These are clearing amounts and must have fees already included in their calculation.

The `GrpHdr.PmtInstrXpryDtTm` specifies the expiry of the terms presented. It is the responsibility of the payee DFSP to enforce this expiry in the transfer phase of a transaction.

The `CdtTrfTxInf.PmtId.TxId` must reference the message that this is a response to and is the same as what is included in the path as `{ID}`.

The `CdtTrfTxInf.VrftcnOfTerms.ILpV4PrepPacket` must contain the ILpV4 cryptographically signed packet, which is a cryptographic version of the transfers terms. These are the terms against which the payer DFSP agrees, and against which the non-repudiation of the transfer is based. It is thus important that the payer DFSP inspects these terms.

Here is an example of the message:

```
{
  "GrpHdr": {
    "MsgId": "01JBVM19SPQAQV9EEP0QC1RNAD",
    "CreDtTm": "2024-11-04T12:57:42.455Z",
    "NbOfTxS": "1",
    "SttlmInf": { "SttlmMtd": "CLRG" },
    "PmtInstrXpryDtTm": "2024-11-04T12:58:42.450Z"
  },
  "CdtTrfTxInf": {
```



```

    "PmtId": { "TxId": "01JBVM19DFKNRWC21FGJNTHRAT" },
    "Dbtr": { "Id": { "PrvtId": { "Othr": { "SchmeNm": { "Prtry": "MSISDN" },
        "Id": "16135551001" }}}},
        "Name": "Payer Joe" },
    "DbtrAgt": { "FinInstnId": { "Othr": { "Id": "payer-dfsp" }}}},
    "Cdtr": { "Id": { "PrvtId": { "Othr": { "SchmeNm": { "Prtry": "MSISDN" },
        "Id": "16665551002" }}}},
    "CdtrAgt": { "FinInstnId": { "Othr": { "Id": "payee-dfsp" }}}},
    "ChrgBr": "CRED",
    "IntrBkSttlmAmt": {
        "Ccy": "MWK",
        "ActiveCurrencyAndAmount": "1080" },
    "InstdAmt": {
        "Ccy": "MWK",
        "ActiveOrHistoricCurrencyAndAmount": "1080" },
    "ChrgsInf": {
        "Amt": { "Ccy": "MWK",
            "ActiveOrHistoricCurrencyAndAmount": "0" },
        "Agt": { "FinInstnId": { "Othr": { "Id": "payee-dfsp" }}}},
    "VrfctnOfTerms": { "IlpV4PrepPacket": "DIICzQAAAA..." }}}
}

```

Message Details

The details on how to compose and make this API are covered in the following sections:

1. [Core Data Elements](#)

This section specifies which fields are required, which fields are optional, and which fields are unsupported in order to meet the message validating requirements.

2. [Header Details](#)

This general section specifies the header requirements for the API are specified.

3. [Supported HTTP Responses](#)

This general section specifies the http responses that must be supported.

4. [Common Error Payload](#)

This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not compatible with a Mojaloop scheme, and will fail message validation if provided.

Here is the defined core data element table.

ISO 2022 Field	Data Model	Description
GrpHdr - GroupHeader113	[1..1]	
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	<p>date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.</p> <p>Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day</p> <p>2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.</p>
BtchBookg - BatchBookingIndicator	[0..0]	
NbOfTxs - MaxNumericText	[1..1]	Specifies a numeric string with a maximum length of 15 digits.
CtrlSum - DecimalNumber	[0..0]	
TtlIntrBkSttlmAmt - ActiveCurrencyAndAmount	[0..0]	A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.
IntrBkSttlmDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SttlmInf - Specifies the details on how the settlement of the original transaction(s) between the	[1..1]	instructing agent and the instructed agent was completed.
SttlmMtd - Specifies the method used to settle the credit transfer instruction.	[1..1]	INDA: Indirect Account INGA: Indirect Agent COVE: Cover CLRG: Clearing
SttlmAcct - CashAccount	[0..0]	Provides the details to identify an account.
ClrSys - ClearingSystemIdentification3Choice	[0..0]	
InstgRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstgRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
InstdRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
ThrdRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
ThrdRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
PmtTpInf - PaymentTypeInformation	[0..0]	Provides further details of the type of payment.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
CdtTrfTxInf - CreditTransferTransaction64	[1..1]	

PmtId - PaymentIdentification	[1..1]	Provides further means of referencing a payment transaction.
InstrId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
EndToEndId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TxId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
UETR - UUIDv4Identifier	[0..1]	
ClrSysRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
PmtTpInf - PaymentTypeInformation	[0..1]	Provides further details of the type of payment.
InstrPrty - Indicator of the urgency or order of importance that the instructing party	[0..1]	would like the instructed party to apply to the processing of the instruction. HIGH: High priority NORM: Normal priority
ClrChanl - Specifies the clearing channel for the routing of the transaction, as part of	[0..1]	the payment type identification. RTGS: RealTimeGrossSettlementSystem Clearing channel is a real-time gross settlement system. RTNS: RealTimeNetSettlementSystem Clearing channel is a real-time net settlement system. MPNS: MassPaymentNetSystem Clearing channel is a mass payment net settlement system. BOOK: BookTransfer Payment through internal book transfer.
SvcLvl - ServiceLevelChoice	[0..1]	Details about a service level.
LclInstrm - LocalInstrumentChoice	[0..1]	Specifies the local instrument, as published in an external local instrument code list or as a proprietary code.
CtgyPurp - CategoryPurposeChoice	[0..1]	Contains details about high level purpose of the mandate based on a set of pre-defined categories.
IntrBkSttlmAmt - ActiveCurrencyAndAmount	[1..1]	A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.
IntrBkSttlmDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SttlmPrty - Priority3Code	[0..0]	
SttlmTmIndctn - SettlementDateTimelndctn1	[0..0]	
SttlmTmReq - SettlementTimeRequest2	[0..0]	
AcceptncDtTm - A particular point in the progression of time defined by a mandatory	[0..0]	date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601. Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.
PoolgAdjstmntDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
InstdAmt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
XchgRate - BaseOneRate	[0..1]	Rate expressed as a decimal, for example, 0.7 is 7/10 and 70%.
ChrgBr - Specifies which party(ies) will pay charges due for processing of the	[1..1]	instruction. DEBT: BorneByDebtor All transaction charges are to be borne by the debtor. CRED: BorneByCreditor All transaction charges are to be borne by the creditor. SHAR: Shared In a credit transfer context, means that transaction charges on

the sender side are to be borne by the debtor, transaction charges on the receiver side are to be borne by the creditor. In a direct debit context, means that transaction charges on the sender side are to be borne by the creditor, transaction charges on the receiver

ChrgsInf - NOTE: Unsure on description.	[0..1]	Seemingly a generic schema for charges, with an amount, agent, and type.
Amt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
Agt - BranchAndFinancialInstitutionIdentification	[0..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[0..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.

Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^{([0-9A-Z]{18,18}[0-9]{2,2})\$}
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Tp - ChargeType3Choice	[0..1]	Specifies the type of charge.
MndtRltdInf - CreditTransferMandateData1	[0..0]	
PrvsInstgAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
UltmtDbtr - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.

InitgPty - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
Dbtr - PartyIdentification	[1..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[1..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone

		FAXX: Fax CELL: Mobile phone
DbtrAcct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.
Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.
Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
DbtrAgt - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.

Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
DbtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
CdtrAgt - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.

AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.

CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
CdtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
Cdtr - PartyIdentification	[1..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[1..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.

ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
CdtrAcct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.
Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.
Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
UltmtCdtr - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
InstrForCdtrAgt - InstructionForCreditorAgent	[0..1]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the creditor agent.
Cd - ExternalCreditorAgentInstructionCode	[0..1]	Specifies the instruction given by the creditor to the creditor agent.
InstrInf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
InstrForNxtAgt - InstructionForNextAgent	[0..1]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the next agent in the payment chain.
Cd - Specifies further instructions concerning the processing of a payment	[0..1]	instruction, provided by the sending clearing agent to the next agent(s). PHOA: PhoneNextAgent Please advise/contact next agent by phone. TELA: TelecomNextAgent Please advise/contact next agent by the most efficient means of telecommunication.
InstrInf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Purp - Specifies the underlying reason for the payment transaction.	[0..1]	Usage: Purpose is used by the end-customers, that is initiating party, (ultimate) debtor, (ultimate) creditor to provide information concerning the nature of the payment. Purpose is a content element, which is not used for processing by any of the agents involved in the payment chain.
RgltryRptg - RegulatoryReporting	[0..1]	Information needed due to regulatory and/or statutory requirements.
DbtCdtRptgInd - Identifies whether the regulatory reporting information applies to the debit	[0..1]	side, to the credit side or to both debit and credit sides of the transaction. CRED: Regulatory reporting applies to the credit side of the transaction. DEBT: Regulatory reporting applies to the debit side of the transaction. BOTH: Regulatory reporting applies to both debit and credit sides of the transaction.
Authrty - RegulatoryAuthority	[0..1]	Information about an entity requiring the regulatory reporting information.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
Dtls - StructuredRegulatoryReporting3	[0..1]	Information needed due to regulatory and statutory requirements.
Tp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.

Dt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
Cd - MaxText	[0..1]	Specifies a character string with a maximum length of 10 characters.
Amt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
Inf - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Tax - TaxData	[0..1]	Details about tax paid, or to be paid, to the government in accordance with the law, including pre-defined parameters such as thresholds and type of account.
Cdtr - TaxParty	[0..1]	Details about the entity involved in the tax paid or to be paid.
TaxId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
RegnId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TaxTp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dbtr - TaxParty	[0..1]	Details about the entity involved in the tax paid or to be paid.
TaxId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
RegnId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TaxTp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Authstn - TaxAuthorisation	[0..1]	Details of an authorised tax paying party.
Titl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
UltmtDbtr - TaxParty	[0..1]	Details about the entity involved in the tax paid or to be paid.
TaxId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
RegnId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TaxTp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Authstn - TaxAuthorisation	[0..1]	Details of an authorised tax paying party.
Titl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
AdmstnZone - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
RefNb - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Mtd - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TtlTaxblBaseAmt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
TtlTaxAmt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
Dt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SeqNb - Number	[0..1]	
Rcrd - TaxRecord	[0..1]	Set of elements used to define the tax record.
Tp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctgy - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
CtgyDtIs - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
DbtrSts - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
CertId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
FrmsCd - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Prd - TaxPeriod	[0..1]	Period of time details related to the tax payment.

Yr - ISOYear	[0..1]	Year represented by YYYY (ISO 8601).
Tp - Specifies the period related to the tax payment	[0..1]	MM01 FirstMonth Tax is related to the second month of the period. MM02 SecondMonth Tax is related to the first month of the period. MM03 ThirdMonth Tax is related to the third month of the period. MM04 FourthMonth Tax is related to the fourth month of the period. MM05 FifthMonth Tax is related to the fifth month of the period. MM06 SixthMonth Tax is related to the sixth month of the period. MM07 SeventhMonth Tax is related to the seventh month of the period. MM08 EighthMonth Tax is related to the eighth month of the period. MM09 NinthMonth Tax is related to the ninth month of the period. MM10 TenthMonth Tax is related to the tenth month of the period. MM11 EleventhMonth Tax is related to the eleventh month of the period. MM12 TwelfthMonth Tax is related to the twelfth month of the period. QTR1 FirstQuarter Tax is related to the first quarter of the period. QTR2 SecondQuarter Tax is related to the second quarter of the period. QTR3 ThirdQuarter Tax is related to the third quarter of the period. QTR4 FourthQuarter Tax is related to the fourth quarter of the period. HLF1 FirstHalf Tax is related to the first half of the period. HLF2 SecondHalf Tax is related to the second half of the period.
FrToDt - DatePeriod	[0..1]	Range of time defined by a start date and an end date.
FrDt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
ToDt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
TaxAmt - TaxAmount	[0..1]	Information on the amount of the tax record.
Rate - PercentageRate	[0..1]	
TaxblBaseAmt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
TtlAmt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
Dtls - TaxRecordDetails	[0..1]	Details on the tax period and amount.
Prd - TaxPeriod	[0..1]	Period of time details related to the tax payment.
Yr - ISOYear	[0..1]	Year represented by YYYY (ISO 8601).
Tp - Specifies the period related to the tax payment	[0..1]	MM01 FirstMonth Tax is related to the second month of the period. MM02 SecondMonth Tax is related to the first month of the period. MM03 ThirdMonth Tax is related to the third month of the period. MM04 FourthMonth Tax is related to the fourth month of the period. MM05 FifthMonth Tax is related to the fifth month of the period. MM06 SixthMonth Tax is related to the sixth month of the period. MM07 SeventhMonth Tax is related to the seventh month of the period. MM08 EighthMonth Tax is related to the eighth month of the period. MM09 NinthMonth Tax is related to the ninth month of the period. MM10 TenthMonth Tax is related to the tenth month of the period. MM11 EleventhMonth Tax is related to the eleventh month of the period. MM12 TwelfthMonth Tax is related to the twelfth month of the period. QTR1 FirstQuarter Tax is related to the first quarter of the period. QTR2 SecondQuarter Tax is related to the second quarter of the period. QTR3 ThirdQuarter Tax is related to the third quarter of the period. QTR4 FourthQuarter Tax is related to the fourth quarter of the period. HLF1 FirstHalf Tax is related to the first half of the period. HLF2 SecondHalf Tax is related to the second half of the period.
FrToDt - DatePeriod	[0..1]	Range of time defined by a start date and an end date.
FrDt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
ToDt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.

Amt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
AddtlInf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
RltdRmtInf - RemittanceLocation8	[0..0]	
RmtInf - RemittanceInformation22	[0..0]	
SplmtryData - SupplementaryData	[0..0]	Additional information that cannot be captured in the structured fields and/or any other specific block.
SplmtryData - SupplementaryData	[0..0]	Additional information that cannot be captured in the structured fields and/or any other specific block.

7.9 PUT /quotes/{ID}/error

Financial Institution to Financial Institution Payment Status Report - pacs.002.001.15

Context

(DFSP -> DFSP, HUB -> DFSP)

This is triggered as a callback response to the POST /quotes call when an error occurs. The message is generated by the entity who first encounter the error which can either be the DFSP, or the HUB. All other participants involved are informed by this message. The **TxInfAndSts.StsRsnInf.Rsn.Cd** contains the Mojaloop error code, which specified the source and cause of the error.

Here is an example of the message:

```
{
  "GrpHdr": {
    "MsgId": "01JBVM1CGC5A18XQVYYRF68FD1",
    "CreDtTm": "2024-11-04T12:57:45.228Z",
    "TxInfAndSts": {"StsRsnInf": {"Rsn": {"Cd": "ErrorCode"}}}
  }
}
```

Message Details

The details on how to compose and make this API are covered in the following sections:

1. [Core Data Elements](#)

This section specifies which fields are required, which fields are optional, and which fields are unsupported in order to meet the message validating requirements.

2. [Header Details](#)

This general section specifies the header requirements for the API are specified.

3. [Supported HTTP Responses](#)

This general section specifies the http responses that must be supported.

4. [Common Error Payload](#)

This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not compatible with a Mojaloop scheme, and will fail message validation if provided.

Here is the defined core data element table.

ISO 2022 Field	Data Model	Description
GrpHdr - GroupHeader	[1..1]	Set of characteristics shared by all individual transactions included in the message.
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	<p>date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.</p> <p>Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day</p> <p>2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.</p>
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
OrgnlBizQry - OriginalBusinessQuery1	[0..0]	
OrgnlGrpInfAndSts - OriginalGroupHeader22	[0..0]	
TxInfAndSts - PaymentTransaction161	[1..1]	
StsId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlGrpInf - OriginalGroupInformation29	[0..0]	
OrgnlInstrId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlEndToEndId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlTxId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlUETR - UUIDv4Identifier	[0..1]	
TxSts - Specifies the external payment transaction status code.	[0..1]	<p>For FSPIOP transfer state enumeration mappings:</p> <pre>{ "COMM": "COMMITTED", "RESV": "RESERVED", "RECV": "RECEIVED", "ABOR": "ABORTED" }</pre> <p>NOTE: enum enforcement is not apart of the ISO20022 specification, but is added here for FSPIOP mappings.</p>

StsRsnInf - StatusReasonInformation	[1..1]	Unsure on description.
Orgtr - PartyIdentification	[0..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[0..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone

		FAXX: Fax CELL: Mobile phone
Rsn - StatusReasonChoice	[1..1]	Specifies the reason for the status.
AddtlInf - MaxText	[0..1]	Specifies a character string with a maximum length of 105 characters.
ChrgsInf - NOTE: Unsure on description.	[0..0]	Seemingly a generic schema for charges, with an amount, agent, and type.
AcceptncDtTm - A particular point in the progression of time defined by a mandatory	[0..1]	date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601. Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.
PrcgDt - StatusReasonChoice	[0..1]	Specifies the reason for the status.
FctvIntrBkSttlmDt - StatusReasonChoice	[0..0]	Specifies the reason for the status.
AcctSvcrRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
ClrSysRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
OrgnlTxRef - OriginalTransactionReference42	[0..0]	
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.
Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.
Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.

7.10 POST /fxTransfers

Execute Financial Institution Credit Transfer - pacs.009.001.12

Context

(DFSP -> FXP)

This message is initiated by a DFSP who is requesting to transfer funds in another currency. The message is sent to the foreign exchange provider who provided the conversion terms. This message is an acknowledgement that the terms of the conversion are accepted, and is thus an instruction to proceed with the conversion.

The source amount and currency are defined here

`CdtTrfTxInf.UndrlygCstmrCdtTrf.InstdAmt.ActiveOrHistoricCurrencyAndAmount` and here `CdtTrfTxInf.UndrlygCstmrCdtTrf.InstdAmt.Ccy`, and the target amount and currency are defined `CdtTrfTxInf.IntrBkSttlmAmt.ActiveCurrencyAndAmount` and here `CdtTrfTxInf.IntrBkSttlmAmt.Ccy`.

This message includes can be seen as an agreement to the terms that have previously been set up and established in the fxQuotes resource. The

`CdtTrfTxInf.UndrlygCstmrCdtTrf.VrfctnOfTerms.Sh256Sgntr` field is a reference to the ILPv4 cryptographic condition of those terms.

The `GrpHdr.PmtInstrXpryDtTm` specifies the expiry of the this transfer message. It is the responsibility of the HUB to enforce this expiry. The status of which a DFSP can query by making a `GET /fxTransfers/{ID}` request.

The currency conversion is dependent on a transfer (the determiningTransferId) and is specified in the `CdtTrfTxInf.PmtId.EndToEndId` field.

Here is an example of the message:

```
{
  "GrpHdr": {
    "MsgId": "01JBVM1BW4J0RJZSQ539QB9TKT",
    "CreDtTm": "2024-11-04T12:57:44.580Z",
    "NbOfTxS": "1",
    "SttlmInf": { "SttlmMtd": "CLRG" },
    "PmtInstrXpryDtTm": "2024-11-04T12:58:44.579Z" },
  "CdtTrfTxInf": {
    "PmtId": { "TxId": "01JBVM16V1ZXP2DM34BQT40NWA",
      "EndToEndId": "01JBVM13SQYP507JB1DYBZVCMF" },
    "Dbtr": { "FinInstnId": { "Othr": { "Id": "payer-dfsp" } } },
    "UndrlygCstmrCdtTrf": {
      "Dbtr": { "Id": { "OrgId": { "Othr": { "Id": "payer-dfsp" } } } },
      "DbtrAgt": { "FinInstnId": { "Othr": { "Id": "payer-dfsp" } } },
      "Cdtr": { "Id": { "OrgId": { "Othr": { "Id": "fxp" } } } },
      "CdtrAgt": { "FinInstnId": { "Othr": { "Id": "fxp" } } },
      "InstdAmt": { "Ccy": "ZMW",
        "ActiveOrHistoricCurrencyAndAmount": "21" },
      "Cdtr": { "FinInstnId": { "Othr": { "Id": "fxp" } } },
      "IntrBkSttlmAmt": { "Ccy": "MWK",
        "ActiveCurrencyAndAmount": "1080" },
      "VrfctnOfTerms": { "Sh256Sgntr": "KVHFmdTD6A..." }
    }
  }
}
```

Message Details

The details on how to compose and make this API are covered in the following sections:

1. Core Data Elements

This section specifies which fields are required, which fields are optional, and which fields are

unsupported in order to meet the message validating requirements.

2. Header Details

This general section specifies the header requirements for the API are specified.

3. Supported HTTP Responses

This general section specifies the http responses that must be supported.

4. Common Error Payload

This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not compatible with a Mojaloop scheme, and will fail message validation if provided.

Here is the defined core data element table.

ISO 2022 Field	Data Model	Description
GrpHdr - GroupHeader113	[1..1]	
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601. Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.
BtchBookg - BatchBookingIndicator	[0..0]	
NbOfTxs - MaxNumericText	[1..1]	Specifies a numeric string with a maximum length of 15 digits.
CtrlSum - DecimalNumber	[0..0]	
TtlIntrBkSttlmAmt - ActiveCurrencyAndAmount	[0..0]	A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.
IntrBkSttlmDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SttlmInf - Specifies the details on how the settlement of the original transaction(s) between the	[1..1]	instructing agent and the instructed agent was completed.

SttlmMtd - Specifies the method used to settle the credit transfer instruction.	[1..1]	INDA: Indirect Account INGA: Indirect Agent COVE: Cover CLRG: Clearing
SttlmAcct - CashAccount	[0..0]	Provides the details to identify an account.
ClrSys - ClearingSystemIdentification3Choice	[0..0]	
InstgRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstgRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
InstdRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
ThrdRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
ThrdRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
PmtTplnf - PaymentTypeInformation	[0..0]	Provides further details of the type of payment.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
CdtTrfTxInf - CreditTransferTransaction62	[1..1]	
PmtId - PaymentIdentification	[1..1]	Provides further means of referencing a payment transaction.
InstId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
EndToEndId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TxId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
UETR - UUIDv4Identifier	[0..1]	
ClrSysRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
PmtTplnf - PaymentTypeInformation	[0..1]	Provides further details of the type of payment.
InstrPrty - Indicator of the urgency or order of importance that the instructing party	[0..1]	would like the instructed party to apply to the processing of the instruction. HIGH: High priority NORM: Normal priority
ClrChanl - Specifies the clearing channel for the routing of the transaction, as part of	[0..1]	the payment type identification. RTGS: RealTimeGrossSettlementSystem Clearing channel is a real-time gross settlement system. RTNS: RealTimeNetSettlementSystem Clearing channel is a real-time net settlement system. MPNS: MassPaymentNetSystem Clearing channel is a mass payment net settlement system. BOOK: BookTransfer Payment through internal book transfer.
SvcLvl - ServiceLevelChoice	[0..1]	Details about a service level.
LclInstrm - LocalInstrumentChoice	[0..1]	Specifies the local instrument, as published in an external local instrument code list or as a proprietary code.
CtgyPurp - CategoryPurposeChoice	[0..1]	Contains details about high level purpose of the mandate based on a set of pre-defined categories.
IntrBkSttlmAmt - ActiveCurrencyAndAmount	[1..1]	A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.
IntrBkSttlmDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SttlmPrty - Priority3Code	[0..0]	
SttlmTmIndctn - SettlementDateTimelndication1	[0..0]	
SttlmTmReq - SettlementTimeRequest2	[0..0]	

PrvsInstgAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
UltmtDbtr - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
Dbtr - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.

TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^{([0-9A-Z]{18,18}[0-9]{2,2})\$}
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
DbtrAcct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.
Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.

Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.
Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
DbtrAgt - BranchAndFinancialInstitutionIdentification	[0..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[0..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$

Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
DbtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
CdtrAgt - BranchAndFinancialInstitutionIdentification	[0..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[0..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.

Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
CdtrAggtAcct - CashAccount	[0..0]	Provides the details to identify an account.
Cdtr - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014

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ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.

BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
CdtrAcct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.
Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.
Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
UltmtCdtr - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstrForCdtrAgt - InstructionForCreditorAgent	[0..1]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the creditor agent.
Cd - ExternalCreditorAgentInstructionCode	[0..1]	Specifies the instruction given by the creditor to the creditor agent.
InstrInf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
InstrForNxtAgt - InstructionForNextAgent	[0..0]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the next agent in the payment chain.
Purp - Specifies the underlying reason for the payment transaction.	[0..1]	Usage: Purpose is used by the end-customers, that is initiating party, (ultimate) debtor, (ultimate) creditor to provide information concerning the nature of the payment. Purpose is a content element, which is not used for processing by any of the agents involved in the payment chain.
RmtInf - RemittanceInformation2	[0..0]	
UndrlygAllcn - TransactionAllocation1	[0..0]	
UndrlygCstmrCdtTrf - CreditTransferTransaction63	[1..1]	
UltmtDbtr - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
InitgPty - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
Dbtr - PartyIdentification	[1..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.

AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[1..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
DbtrAcct - CashAccount	[0..0]	Provides the details to identify an account.
DbtrAgnt - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId -	[1..1]	Information used to identify a financial institution.

BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.

SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
DbtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
CdtrAgt - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.

AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.

Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
CdtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
Cdtr - PartyIdentification	[1..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[1..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtIs - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.

ChanTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
CdtrAcct - CashAccount	[0..0]	Provides the details to identify an account.
UltmtCdtr - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
InstrForCdtrAgnt - InstructionForCreditorAgent	[0..0]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the creditor agent.
InstrForNxtAgnt - InstructionForNextAgent	[0..0]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the next agent in the payment chain.
Tax - TaxData	[0..0]	Details about tax paid, or to be paid, to the government in accordance with the law, including pre-defined parameters such as thresholds and type of account.
RmtInf - RemittanceInformation22	[0..0]	
InstdAmt - ActiveOrHistoricCurrencyAndAmount	[1..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
SplmtryData - SupplementaryData	[0..0]	Additional information that cannot be captured in the structured fields and/or any other specific block.
SplmtryData - SupplementaryData	[0..0]	Additional information that cannot be captured in the structured fields and/or any other specific block.

7.11 PUT /fxTransfers/{ID}

Financial Institution to Financial Institution Payment Status Report - pacs.002.001.15

Context

(FXP -> DFSP)

This message is a response to the **POST \fxTransfers** call initiated by the DFSP who is requesting to proceed with the conversion terms presented in the **PUT \fxquotes**. It is the FXP's responsibility to check that the clearing amounts align with the agreed conversion terms, and if all requirements are met, use this message to lock-in the agreed terms. Once the hub receives this acceptance message, the conversion can no-longer timeout. Final completion of the conversion will only occur once the dependent transfer is committed.

The cryptographic ILP fulfillment provided in the **TxInfAndSts.ExctnConf** field, is released by the FXP as an indication to the HUB that the terms have been met.

Here is an example of the message:

```
{
  "GrpHdr": {
    "MsgId": "01JBVM1CGC5A18XQVYYRF68FD1",
    "CreDtTm": "2024-11-04T12:57:45.228Z"},
  "TxInfAndSts": {
    "ExctnConf": "ou1887jmG-1...",
    "PrccDt": {"DtTm": "2024-11-04T12:57:45.213Z"}},
}
```

```
"TxSts": "RESV"}
}
```

Message Details

The details on how to compose and make this API are covered in the following sections:

1. [Core Data Elements](#)

This section specifies which fields are required, which fields are optional, and which fields are unsupported in order to meet the message validating requirements.

2. [Header Details](#)

This general section specifies the header requirements for the API are specified.

3. [Supported HTTP Responses](#)

This general section specifies the http responses that must be supported.

4. [Common Error Payload](#)

This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not compatible with a Mojaloop scheme, and will fail message validation if provided.

Here is the defined core data element table.

ISO 20022 Field	Data Model	Description
GrpHdr - GroupHeader113	[1..1]	
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	<p>date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.</p> <p>Note on the time format:</p> <p>1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day</p> <p>2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.</p>

BtchBookg - BatchBookingIndicator	[0..0]	
NbOfTxs - MaxNumericText	[0..0]	Specifies a numeric string with a maximum length of 15 digits.
CtrlSum - DecimalNumber	[0..0]	
TtlIntrBkSttlmAmt - ActiveCurrencyAndAmount	[0..0]	A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.
IntrBkSttlmDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SttlmInf - Specifies the details on how the settlement of the original transaction(s) between the	[0..0]	instructing agent and the instructed agent was completed.
PmtTplnf - PaymentTypeInformation	[0..0]	Provides further details of the type of payment.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
CdtTrfTxInf - CreditTransferTransaction62	[0..0]	
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.
Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.

7.12 PUT /fxTransfers/{ID}/error

Financial Institution to Financial Institution Payment Status Report - pacs.002.001.15

Context

(FXP -> DFSP, FXP -> HUB, DFSP -> HUB, DFSP -> FXP, HUB -> DFSP)

This is triggered as a callback response to the POST /fxTransfers call when an error occurs. The message is generated by the entity who first encounter the error which can either be the DFSP, or the HUB. All other participants involved are informed by this message. The **TxInfAndSts.StsRsnInf.Rsn.Cd** contains the Mojaloop error code, which specified the source and cause of the error.

Here is an example of the message:

```
{
  "GrpHdr": {
    "MsgId": "01JBVM1CGC5A18XQVYYRF68FD1",
    "CreDtTm": "2024-11-04T12:57:45.228Z",
    "TxInfAndSts": {"StsRsnInf": {"Rsn": {"Cd": "ErrorCode"}}}
  }
}
```

Message Details

The details on how to compose and make this API are covered in the following sections:

1. Core Data Elements

This section specifies which fields are required, which fields are optional, and which fields are unsupported in order to meet the message validating requirements.

2. Header Details

This general section specifies the header requirements for the API are specified.

3. Supported HTTP Responses

This general section specifies the http responses that must be supported.

4. Common Error Payload

This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not compatible with a Mojaloop scheme, and will fail message validation if provided.

Here is the defined core data element table.

ISO 20022 Field	Data Model	Description
GrpHdr - GroupHeader	[1..1]	Set of characteristics shared by all individual transactions included in the message.
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601. Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
OrgnlBizQry - OriginalBusinessQuery1	[0..0]	
OrgnlGrpInfAndSts - OriginalGroupHeader22	[0..0]	
TxInfAndSts - PaymentTransaction161	[1..1]	

StsId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlGrpInf - OriginalGroupInformation29	[0..0]	
OrgnlInstrId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlEndToEndId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlTxId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnIUETR - UUIDv4Identifier	[0..1]	
TxSts - Specifies the external payment transaction status code.	[0..1]	<p>For FSPIOP transfer state enumeration mappings:</p> <pre>{ "COMM": "COMMITTED", "RESV": "RESERVED", "RECV": "RECEIVED", "ABOR": "ABORTED" }</pre> <p>NOTE: enum enforcement is not apart of the ISO20022 specification, but is added here for FSPIOP mappings.</p>
StsRsnInf - StatusReasonInformation	[1..1]	Unsure on description.
Orgtr - PartyIdentification	[0..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[0..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtIs - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	<p>DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx</p>
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.

FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
Rsn - StatusReasonChoice	[1..1]	Specifies the reason for the status.
AddtlInf - MaxText	[0..1]	Specifies a character string with a maximum length of 105 characters.
ChrgsInf - NOTE: Unsure on description.	[0..0]	Seemingly a generic schema for charges, with an amount, agent, and type.
AcptncDtTm - A particular point in the progression of time defined by a mandatory	[0..1]	date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601. Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.
PrcgDt - StatusReasonChoice	[0..1]	Specifies the reason for the status.
FctvIntrBkSttlmDt - StatusReasonChoice	[0..0]	Specifies the reason for the status.
AcctSvcrRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
ClrSysRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
InstgAgnt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgnt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
OrgnlTxRef - OriginalTransactionReference42	[0..0]	
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.
Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.
Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.

Context

(HUB -> FXP)

This message use by the HUB to inform the foreign exchange provider participant in a cross currency transfer of the successful conclusion of the conversion. This message is only generated if the dependent transfer is committed in the hub.

Here is an example of the message:

```
{
  "GrpHdr": {
    "MsgId": "01JBVM1CGC5A18XQVYRF68FD1",
    "CreDtTm": "2024-11-04T12:57:45.228Z"},
  "TxInfAndSts": {
    "PrcgDt": {
      "DtTm": "2024-11-04T12:57:45.213Z"},
    "TxSts": "COMM"}
}
```

Message Details

The details on how to compose and make this API are covered in the following sections:

- 1. [Core Data Elements](#)
This section specifies which fields are required, which fields are optional, and which fields are unsupported in order to meet the message validating requirements.
- 2. [Header Details](#)
This general section specifies the header requirements for the API are specified.
- 3. [Supported HTTP Responses](#)
This general section specifies the http responses that must be supported.
- 4. [Common Error Payload](#)
This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not

Here is the defined core data element table.

ISO 2022 Field	Data Model	Description
GrpHdr - GroupHeader	[1..1]	Set of characteristics shared by all individual transactions included in the message.
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	<p>date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.</p> <p>Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.</p>
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
OrgnlBizQry - OriginalBusinessQuery1	[0..0]	
OrgnlGrpInfAndSts - OriginalGroupHeader22	[0..0]	
TxInfAndSts - PaymentTransaction161	[1..1]	
StsId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlGrpInf - OriginalGroupInformation29	[0..0]	
OrgnlInstrId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlEndToEndId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlTxId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlUETR - UUIDv4Identifier	[0..1]	
TxSts - Specifies the external payment transaction status code.	[1..1]	<p>For FSPIOP transfer state enumeration mappings:</p> <pre>{ "COMM": "COMMITTED", "RESV": "RESERVED", "RECV": "RECEIVED", "ABOR": "ABORTED" }</pre> <p>NOTE: enum enforcement is not apart of the ISO20022 specification, but is added here for FSPIOP mappings.</p>
StsRsnInf - StatusReasonInformation	[0..1]	Unsure on description.
Orgtr - PartyIdentification	[0..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.

SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[0..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
Rsn - StatusReasonChoice	[0..1]	Specifies the reason for the status.
AddtlInf - MaxText	[0..1]	Specifies a character string with a maximum length of 105 characters.
ChrgsInf - NOTE: Unsure on description.	[0..0]	Seemingly a generic schema for charges, with an amount, agent, and type.
AcctptncDtTm - A particular point in the progression of time defined by a mandatory	[0..1]	date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format

(YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601. Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.		
PrcgDt - StatusReasonChoice	[1..1]	Specifies the reason for the status.
FctvIntrBkSttlmDt - StatusReasonChoice	[0..0]	Specifies the reason for the status.
AcctSvcrRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
ClrSysRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
OrgnlTxRef - OriginalTransactionReference42	[0..0]	
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.
Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.
Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.

7.14 POST /transfers

Financial Institution to Financial Institution Customer Credit Transfer - pacs.008.001.13

Context

(DFSP -> DFSP)

This message is initiated by a payer DFSP who is requesting to transfer funds. The message is sent to the payee DFSP who provided the transfer terms in the **PUT /quotes** message. This message is an acknowledgement that the terms of the transfer are accepted, and is thus an instruction to proceed with the transfer.

The transfer amount which is the clearing amount that the payee DFSP receives is defined in the **CdtTrfTxInf.IntrBkSttlmAmt.Ccy** and **CdtTrfTxInf.IntrBkSttlmAmt.ActiveCurrencyAndAmount** fields. If this transfer includes currency conversion, then this amount an currency must correspond with the target amount and currency.

This message can be seen as an agreement to the terms that have previously been set up and established in the **PUT \quotes** message. The **CdtTrfTxInf.VrfctnOfTerms.IlpV4PrepPacket** field is the ILP packet containing the terms that have been agreed to.

The `GrpHdr.PmtInstrXpryDtTm` specifies the expiry of the this transfer message. It is the responsibility of the HUB to enforce this expiry. The status of which a DFSP can query by making a `GET /transfers/{ID}` request.

Here is an example of the message:

```
{
  "GrpHdr": {
    "MsgId": "01JBVM1D2MR6D4WBWWYY3ZHGM",
    "CreDtTm": "2024-11-04T12:57:45.812Z",
    "NbOfTxs": "1",
    "SttlmInf": { "SttlmMtd": "CLRG" },
    "PmtInstrXpryDtTm": "2024-11-04T12:58:45.810Z",
    "CdtTrfTxInf": {
      "PmtId": { "TxId": "01JBVM13SQYP507JB1DYBZVCMF" },
      "ChrgBr": "CRED",
      "Cdtr": { "Id": { "PrvtId": { "Othr": { "SchmeNm": { "Prtry": "MSISDN" },
                                                "Id": "16665551002" } } } },
      "Dbtr": { "Id": { "PrvtId": { "Othr": { "SchmeNm": { "Prtry": "MSISDN" },
                                                "Id": "16135551001" } } } },
      "Name": "Joe Blogs",
      "CdtrAgt": { "FinInstnId": { "Othr": { "Id": "payee-dfsp" } } },
      "DbtrAgt": { "FinInstnId": { "Othr": { "Id": "payer-dfsp" } } },
      "IntrBkSttlmAmt": { "Ccy": "MWK",
                          "ActiveCurrencyAndAmount": "1080" },
      "VrfctnOfTerms": { "IlpV4PrepPacket": "DIICzQAAAAAaX..." }
    }
  }
}
```

Message Details

The details on how to compose and make this API are covered in the following sections:

1. [Core Data Elements](#)

This section specifies which fields are required, which fields are optional, and which fields are unsupported in order to meet the message validating requirements.

2. [Header Details](#)

This general section specifies the header requirements for the API are specified.

3. [Supported HTTP Responses](#)

This general section specifies the http responses that must be supported.

4. [Common Error Payload](#)

This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not compatible with a Mojaloop scheme, and will fail message validation if provided.

Here is the defined core data element table.

ISO 2022 Field	Data Model	Description
GrpHdr - GroupHeader113	[1..1]	
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	<p>date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.</p> <p>Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day</p> <p>2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.</p>
BtchBookg - BatchBookingIndicator	[0..0]	
NbOfTxs - MaxNumericText	[1..1]	Specifies a numeric string with a maximum length of 15 digits.
CtrlSum - DecimalNumber	[0..0]	
TtlIntrBkSttlmAmt - ActiveCurrencyAndAmount	[0..0]	A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.
IntrBkSttlmDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SttlmInf - Specifies the details on how the settlement of the original transaction(s) between the	[1..1]	instructing agent and the instructed agent was completed.
SttlmMtd - Specifies the method used to settle the credit transfer instruction.	[1..1]	INDA: Indirect Account INGA: Indirect Agent COVE: Cover CLRG: Clearing
SttlmAcct - CashAccount	[0..0]	Provides the details to identify an account.
ClrSys - ClearingSystemIdentification3Choice	[0..0]	
InstgRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstgRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
InstdRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdRmbrsmntAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
ThrdRmbrsmntAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
ThrdRmbrsmntAgtAcct -	[0..0]	Provides the details to identify an account.

CashAccount		
PmtTplnf - PaymentTypeInformation	[0..0]	Provides further details of the type of payment.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
CdtTrfTxInf - CreditTransferTransaction64		
PmtId - PaymentIdentification	[1..1]	Provides further means of referencing a payment transaction.
InstrId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
EndToEndId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TxId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
UETR - UUIDv4Identifier	[0..1]	
ClrSysRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
PmtTplnf - PaymentTypeInformation	[0..1]	Provides further details of the type of payment.
InstrPrty - Indicator of the urgency or order of importance that the instructing party	[0..1]	would like the instructed party to apply to the processing of the instruction. HIGH: High priority NORM: Normal priority
ClrChanl - Specifies the clearing channel for the routing of the transaction, as part of	[0..1]	the payment type identification. RTGS: RealTimeGrossSettlementSystem Clearing channel is a real-time gross settlement system. RTNS: RealTimeNetSettlementSystem Clearing channel is a real-time net settlement system. MPNS: MassPaymentNetSystem Clearing channel is a mass payment net settlement system. BOOK: BookTransfer Payment through internal book transfer.
SvcLvl - ServiceLevelChoice	[0..1]	Details about a service level.
LclInstrm - LocalInstrumentChoice	[0..1]	Specifies the local instrument, as published in an external local instrument code list or as a proprietary code.
CtgyPurp - CategoryPurposeChoice	[0..1]	Contains details about high level purpose of the mandate based on a set of pre-defined categories.
IntrBkSttlmAmt - ActiveCurrencyAndAmount	[1..1]	A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.
IntrBkSttlmDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SttlmPrty - Priority3Code	[0..0]	
SttlmTmIndctn - SettlementDateTimelndication1	[0..0]	
SttlmTmReq - SettlementTimeRequest2	[0..0]	
AcptncDtTm - A particular point in the progression of time defined by a mandatory	[0..0]	date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601. Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.
PoolgAdjstmntDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
InstdAmt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.

XchgRate - BaseOneRate	[0..1]	Rate expressed as a decimal, for example, 0.7 is 7/10 and 70%.
ChrgBr - Specifies which party(ies) will pay charges due for processing of the	[1..1]	instruction. DEBT: BorneByDebtor All transaction charges are to be borne by the debtor. CRED: BorneByCreditor All transaction charges are to be borne by the creditor. SHAR: Shared In a credit transfer context, means that transaction charges on the sender side are to be borne by the debtor, transaction charges on the receiver side are to be borne by the creditor. In a direct debit context, means that transaction charges on the sender side are to be borne by the creditor, transaction charges on the receiver
ChrgsInf - NOTE: Unsure on description.	[0..1]	Seemingly a generic schema for charges, with an amount, agent, and type.
Amt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
Agt - BranchAndFinancialInstitutionIdentification	[0..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[0..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr -	[0..1]	Unique and unambiguous identification of a person, which is used to

GenericFinancialIdentification		refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". $^{\wedge}([0-9A-Z]\{18,18\}[0-9]\{2,2\})\$$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Tp - ChargeType3Choice	[0..1]	Specifies the type of charge.
MndtRltdInf - CreditTransferMandateData1	[0..0]	
PrvsInstgAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt2 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
PrvsInstgAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
PrvsInstgAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt1 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt1Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt2 -	[0..0]	Unique and unambiguous identification of a financial institution or a

BranchAndFinancialInstitutionIdentification		branch of a financial institution.
IntrmyAgt2Acct - CashAccount	[0..0]	Provides the details to identify an account.
IntrmyAgt3 - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
IntrmyAgt3Acct - CashAccount	[0..0]	Provides the details to identify an account.
UltmtDbtr - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
InitgPty - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
Dbtr - PartyIdentification	[1..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[1..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.

Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
DbtrAcct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.
Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.
Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
DbtrAgt - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.
Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.

TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
DbtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
CdtrAgt - BranchAndFinancialInstitutionIdentification	[1..1]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
FinInstnId - FinancialInstitutionIdentification	[1..1]	Information used to identify a financial institution.
BICFI - Code allocated to a financial institution by the ISO 9362 Registration	[0..1]	Authority as described in ISO 9362: 2014 - "Banking - Banking telecommunication messages - Business identifier code (BIC)".
ClrSysMmbld - ClearingSystemMemberIdentification	[0..1]	Unique identification, as assigned by a clearing system, to unambiguously identify a member of the clearing system.
ClrSysId - ClearingSystemIdentificationChoice	[0..1]	Specifies the clearing system identification.

Mmbld - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..0]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..0]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - GenericFinancialIdentification	[0..1]	Unique and unambiguous identification of a person, which is used to refer to a person in a financial context.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
SchmeNm - FinancialIdentificationSchemeNameChoice	[0..1]	Specifies the name of the identification scheme.
Issr - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
BrnchId - BranchData	[0..1]	Information that locates and identifies a specific branch of a financial institution.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
LEI - LEIdentifier	[0..1]	Legal Entity Identifier is a code allocated to a party as described in ISO 17442 "Financial Services - Legal Entity Identifier (LEI)". ^([0-9A-Z]{18,18}[0-9]{2,2})\$
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.

Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
CdtrAgtAcct - CashAccount	[0..0]	Provides the details to identify an account.
Cdtr - PartyIdentification	[1..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwnLctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[1..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.

EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
CdtrAcct - CashAccount	[0..1]	Provides the details to identify an account.
Id - AccountIdentificationChoice	[0..1]	Specifies the unique identification of an account as assigned by the account servicer.
Tp - CashAccountTypeChoice	[0..1]	Specifies the nature, or use of the account.
Ccy - A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".	[0..1]	NOTE: This has been modified away from the original ISO20022 pattern to enums.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Prxy - ProxyAccountIdentification	[0..1]	Information related to a proxy identification of the account.
Tp - ProxyAccountTypeChoice	[0..1]	Specifies the type of the proxy account.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
UltmtCdtr - PartyIdentification	[0..0]	Specifies the identification of a person or an organisation.
InstrForCdtrAgt - InstructionForCreditorAgent	[0..1]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the creditor agent.
Cd - ExternalCreditorAgentInstructionCode	[0..1]	Specifies the instruction given by the creditor to the creditor agent.
InstrInf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
InstrForNxtAgt - InstructionForNextAgent	[0..1]	Further information related to the processing of the payment instruction, provided by the initiating party, and intended for the next agent in the payment chain.
Cd - Specifies further instructions concerning the processing of a payment	[0..1]	instruction, provided by the sending clearing agent to the next agent(s). PHOA: PhoneNextAgent Please advise/contact next agent by phone. TELA: TelecomNextAgent Please advise/contact next agent by the most efficient means of telecommunication.
InstrInf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Purp - Specifies the underlying reason for the payment transaction.	[0..1]	Usage: Purpose is used by the end-customers, that is initiating party, (ultimate) debtor, (ultimate) creditor to provide information concerning the nature of the payment. Purpose is a content element, which is not used for processing by any of the agents involved in the payment chain.
RgltryRptg - RegulatoryReporting	[0..1]	Information needed due to regulatory and/or statutory requirements.
DbtCdtRptgInd - Identifies whether the regulatory reporting information applies to the debit	[0..1]	side, to the credit side or to both debit and credit sides of the transaction. CRED: Regulatory reporting applies to the credit side of the transaction. DEBT: Regulatory reporting applies to the debit side of the transaction. BOTH: Regulatory reporting applies to both debit and credit sides of the transaction.
Authrty - RegulatoryAuthority	[0..1]	Information about an entity requiring the regulatory reporting information.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.

Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
Dtls - StructuredRegulatoryReporting3	[0..1]	Information needed due to regulatory and statutory requirements.
Tp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
Cd - MaxText	[0..1]	Specifies a character string with a maximum length of 10 characters.
Amt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
Inf - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Tax - TaxData	[0..1]	Details about tax paid, or to be paid, to the government in accordance with the law, including pre-defined parameters such as thresholds and type of account.
Cdtr - TaxParty	[0..1]	Details about the entity involved in the tax paid or to be paid.
TaxId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
RegnId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TaxTp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dbtr - TaxParty	[0..1]	Details about the entity involved in the tax paid or to be paid.
TaxId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
RegnId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TaxTp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Authstn - TaxAuthorisation	[0..1]	Details of an authorised tax paying party.
Titl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
UltmtDbtr - TaxParty	[0..1]	Details about the entity involved in the tax paid or to be paid.
TaxId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
RegnId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TaxTp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Authstn - TaxAuthorisation	[0..1]	Details of an authorised tax paying party.
Titl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
AdmstnZone - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
RefNb - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Mtd - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
TtlTaxblBaseAmt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
TtlTaxAmt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
Dt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
SeqNb - Number	[0..1]	
Rcrd - TaxRecord	[0..1]	Set of elements used to define the tax record.
Tp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctgy - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.

CtgyDtIs - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
DbtrSts - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
CertId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
FrmsCd - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Prd - TaxPeriod	[0..1]	Period of time details related to the tax payment.
Yr - ISOYear	[0..1]	Year represented by YYYY (ISO 8601).
Tp - Specifies the period related to the tax payment	[0..1]	MM01 FirstMonth Tax is related to the second month of the period. MM02 SecondMonth Tax is related to the first month of the period. MM03 ThirdMonth Tax is related to the third month of the period. MM04 FourthMonth Tax is related to the fourth month of the period. MM05 FifthMonth Tax is related to the fifth month of the period. MM06 SixthMonth Tax is related to the sixth month of the period. MM07 SeventhMonth Tax is related to the seventh month of the period. MM08 EighthMonth Tax is related to the eighth month of the period. MM09 NinthMonth Tax is related to the ninth month of the period. MM10 TenthMonth Tax is related to the tenth month of the period. MM11 EleventhMonth Tax is related to the eleventh month of the period. MM12 TwelfthMonth Tax is related to the twelfth month of the period. QTR1 FirstQuarter Tax is related to the first quarter of the period. QTR2 SecondQuarter Tax is related to the second quarter of the period. QTR3 ThirdQuarter Tax is related to the third quarter of the period. QTR4 FourthQuarter Tax is related to the forth quarter of the period. HLF1 FirstHalf Tax is related to the first half of the period. HLF2 SecondHalf Tax is related to the second half of the period.
FrToDt - DatePeriod	[0..1]	Range of time defined by a start date and an end date.
FrDt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
ToDt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
TaxAmt - TaxAmount	[0..1]	Information on the amount of the tax record.
Rate - PercentageRate	[0..1]	
TaxblBaseAmt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
TtlAmt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
DtIs - TaxRecordDetails	[0..1]	Details on the tax period and amount.
Prd - TaxPeriod	[0..1]	Period of time details related to the tax payment.
Yr - ISOYear	[0..1]	Year represented by YYYY (ISO 8601).
Tp - Specifies the period related to the tax payment	[0..1]	MM01 FirstMonth Tax is related to the second month of the period. MM02 SecondMonth Tax is related to the first month of the period. MM03 ThirdMonth Tax is related to the third month of the period. MM04 FourthMonth Tax is related to the fourth month of the period. MM05 FifthMonth Tax is related to the fifth month of the period. MM06 SixthMonth Tax is related to the sixth month of the period. MM07 SeventhMonth Tax is related to the seventh month of the period. MM08 EighthMonth Tax is related to the eighth month of the period. MM09 NinthMonth Tax is related to the ninth month of the period. MM10 TenthMonth Tax is related to the tenth month of the period. MM11 EleventhMonth Tax is related to the eleventh month of the period. MM12 TwelfthMonth Tax is related to the twelfth month of the period. QTR1 FirstQuarter Tax is related to the first quarter of the period. QTR2 SecondQuarter Tax is related to the second quarter of the period. QTR3 ThirdQuarter Tax is related to the third quarter of the period. QTR4 FourthQuarter Tax is related to the forth quarter of the period. HLF1 FirstHalf Tax is related to the first half of the period. HLF2 SecondHalf Tax is related to the second half of the period.
FrToDt - DatePeriod	[0..1]	Range of time defined by a start date and an end date.

FrDt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
ToDt - ISODate	[0..1]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.
Amt - ActiveOrHistoricCurrencyAndAmount	[0..1]	A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.
AddtlInf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
RltdRmtInf - RemittanceLocation8	[0..0]	
RmtInf - RemittanceInformation22	[0..0]	
SplmtryData - SupplementaryData	[0..0]	Additional information that cannot be captured in the structured fields and/or any other specific block.
SplmtryData - SupplementaryData	[0..0]	Additional information that cannot be captured in the structured fields and/or any other specific block.

7.15 PUT /transfers/{ID}

Financial Institution to Financial Institution Payment Status Report - pacs.002.001.15

Context

(DFSP -> DFSP, DFSP -> HUB, HUB -> DFSP)

This message is a response to the **POST \transfers** call initiated by the DFSP who is requesting to proceed with the transfer terms presented in the **PUT \quotes**. It is the payee DFSPs responsibility to check that the clearing amounts align with the agreed transfer terms, and if all requirements are met, this message is used to lock-in the agreed terms. Once the hub receives this acceptance message, the transfer can no-longer timeout and will be committed. If this transfer is a dependent transfer in a currency conversion, then that currency conversion will be committed at the same time as this transfer.

The cryptographic ILP fulfillment provided in the **TxInfAndSts.ExctnConf** field, is released by the payee DFSP as an indication to the HUB that the terms have been met.

Here is an example of the message:

```
{
  "GrpHdr": {
    "MsgId": "01JBVM1CGC5A18XQVYYRF68FD1",
    "CreDtTm": "2024-11-04T12:57:45.228Z"},
  "TxInfAndSts": {
    "ExctnConf": "ou1887jmG-1...",
    "PrcgDt": {
      "DtTm": "2024-11-04T12:57:45.213Z"},
    "TxSts": "RESV"}
}
```

Message Details

The details on how to compose and make this API are covered in the following sections:

1. Core Data Elements

This section specifies which fields are required, which fields are optional, and which fields are unsupported in order to meet the message validating requirements.

2. Header Details

This general section specifies the header requirements for the API are specified.

3. Supported HTTP Responses

This general section specifies the http responses that must be supported.

4. Common Error Payload

This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not compatible with a Mojaloop scheme, and will fail message validation if provided.

Here is the defined core data element table.

ISO 20022 Field	Data Model	Description
GrpHdr - GroupHeader113	[1..1]	
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601. Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.
BtchBookg - BatchBookingIndicator	[0..0]	
NbOfTxs - MaxNumericText	[0..0]	Specifies a numeric string with a maximum length of 15 digits.
CtrlSum - DecimalNumber	[0..0]	
TtlIntrBkSttlmAmt - ActiveCurrencyAndAmount	[0..0]	A number of monetary units specified in an active currency where the unit of currency is explicit and compliant with ISO 4217.
IntrBkSttlmDt - ISODate	[0..0]	A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.

SttlmInf - Specifies the details on how the settlement of the original transaction(s) between the	[0..0]	instructing agent and the instructed agent was completed.
PmtTpInf - PaymentTypeInformation	[0..0]	Provides further details of the type of payment.
InstgAgnt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgnt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
CdtTrfTxInf - CreditTransferTransaction64	[0..0]	
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.
Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.

7.16 PUT /transfers/{ID}/error

Financial Institution to Financial Institution Payment Status Report - pacs.002.001.15

Context

(DFSP -> DFSP, DFSP -> HUB, HUB -> DFSP)

This is triggered as a callback response to the POST /transfers call when an error occurs. The message is generated by the entity who first encounter the error which can either be the DFSP, or the HUB. All other participants involved are informed by this message. The **TxInfAndSts.StsRsnInf.Rsn.Cd** contains the Mojaloop error code, which specified the source and cause of the error.

Here is an example of the message:

```
{
  "GrpHdr": {
    "MsgId": "01JBVM1CGC5A18XQVYYRF68FD1",
    "CreDtTm": "2024-11-04T12:57:45.228Z",
    "TxInfAndSts": {"StsRsnInf": {"Rsn": {"Cd": "ErrorCode"}}}
  }
}
```

Message Details

The details on how to compose and make this API are covered in the following sections:

1. [Core Data Elements](#)

This section specifies which fields are required, which fields are optional, and which fields are unsupported in order to meet the message validating requirements.

2. [Header Details](#)

This general section specifies the header requirements for the API are specified.

3. [Supported HTTP Responses](#)

This general section specifies the http responses that must be supported.

4. Common Error Payload

This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not compatible with a Mojaloop scheme, and will fail message validation if provided.

Here is the defined core data element table.

ISO 2022 Field	Data Model	Description
GrpHdr - GroupHeader	[1..1]	Set of characteristics shared by all individual transactions included in the message.
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	<p>date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.</p> <p>Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.</p>
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
OrgnlBizQry - OriginalBusinessQuery1	[0..0]	
OrgnlGrpInfAndSts - OriginalGroupHeader22	[0..0]	
TxInfAndSts - PaymentTransaction161	[1..1]	
StsId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlGrpInf - OriginalGroupInformation29	[0..0]	
OrgnlInstrId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlEndToEndId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlTxId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlUETR - UUIDv4Identifier	[0..1]	

TxSts - Specifies the external payment transaction status code.	[0..1]	<p>For FSPIOP transfer state enumeration mappings:</p> <pre>{ "COMM": "COMMITTED", "RESV": "RESERVED", "RECV": "RECEIVED", "ABOR": "ABORTED" }</pre> <p>NOTE: enum enforcement is not apart of the ISO20022 specification, but is added here for FSPIOP mappings.</p>
StsRsnInf - StatusReasonInformation	[1..1]	Unsure on description.
Orgtr - PartyIdentification	[0..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
AdrLine - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[0..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtIs - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	<p>DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx</p>
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.

Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
Rsn - StatusReasonChoice	[1..1]	Specifies the reason for the status.
AddtlInf - MaxText	[0..1]	Specifies a character string with a maximum length of 105 characters.
ChrgsInf - NOTE: Unsure on description.	[0..0]	Seemingly a generic schema for charges, with an amount, agent, and type.
AcptncDtTm - A particular point in the progression of time defined by a mandatory	[0..1]	date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601. Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.
PrcgDt - StatusReasonChoice	[0..1]	Specifies the reason for the status.
FctvIntrBkSttlmDt - StatusReasonChoice	[0..0]	Specifies the reason for the status.
AcctSvcrRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
ClrSysRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
InstgAgnt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgnt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
OrgnlTxRef - OriginalTransactionReference42	[0..0]	
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.
Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.
Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.

7.17 PATCH /transfers/{ID}

Financial Institution to Financial Institution Payment Status Report - pacs.002.001.15

Context

(HUB -> DFSP)

This message use by the HUB to inform a payee DFSP participant of the successful conclusion of a transfer. This message is only generated if the payee DFSP response with a Reserved status when providing the fulfillment in the **PUT \transfers** message.

Here is an example of the message:

```
{
  "GrpHdr": {
    "MsgId": "01JBVM1CGC5A18XQVYYRF68FD1",
    "CreDtTm": "2024-11-04T12:57:45.228Z"},
  "TxInfAndSts": {
    "PrccgDt": { "DtTm": "2024-11-04T12:57:45.213Z" },
    "TxSts": "COMM" }
}
```

Message Details

The details on how to compose and make this API are covered in the following sections:

- 1. [Core Data Elements](#)
This section specifies which fields are required, which fields are optional, and which fields are unsupported in order to meet the message validating requirements.
- 2. [Header Details](#)
This general section specifies the header requirements for the API are specified.
- 3. [Supported HTTP Responses](#)
This general section specifies the http responses that must be supported.
- 4. [Common Error Payload](#)
This general section specifies the common error payload that is provided in synchronous http error response.

Core Data Elements

Here are the core data elements that are needed to meet this market practice requirement.

The background colours indicate the classification of the data element.

Data Model Type Key	Description
required	These fields are required in order to meet the message validating requirements.
optional	These fields can be optionally included in the message. (Some of these fields may be required for a specific scheme as defined in the Scheme Rules for that scheme.)
unsupported	These fields are actively not supported. The functionality specifying data in these fields are not compatible with a Mojaloop scheme, and will fail message validation if provided.

Here is the defined core data element table.

ISO 20022 Field	Data Model	Description
-----------------	------------	-------------

GrpHdr - GroupHeader	[1..1]	Set of characteristics shared by all individual transactions included in the message.
MsgId - MaxText	[1..1]	Specifies a character string with a maximum length of 35 characters.
CreDtTm - A particular point in the progression of time defined by a mandatory	[1..1]	<p>date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.</p> <p>Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day</p> <p>2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.</p>
InstgAgnt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgnt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
OrgnlBizQry - OriginalBusinessQuery1	[0..0]	
OrgnlGrpInfAndSts - OriginalGroupHeader22	[0..0]	
TxInfAndSts - PaymentTransaction161	[1..1]	
StsId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlGrpInf - OriginalGroupInformation29	[0..0]	
OrgnlInstrId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlEndToEndId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlTxId - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
OrgnlUETR - UUIDv4Identifier	[0..1]	
TxSts - Specifies the external payment transaction status code.	[1..1]	<p>For FSPIOP transfer state enumeration mappings: { "COMM": "COMMITTED", "RESV": "RESERVED", "RECV": "RECEIVED", "ABOR": "ABORTED" }</p> <p>NOTE: enum enforcement is not apart of the ISO20022 specification, but is added here for FSPIOP mappings.</p>
StsRsnInf - StatusReasonInformation	[0..1]	Unsure on description.
Orgtr - PartyIdentification	[0..1]	Specifies the identification of a person or an organisation.
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PstlAdr - PostalAddress	[0..1]	Information that locates and identifies a specific address, as defined by postal services.
AdrTp - AddressTypeChoice	[0..1]	Choice of formats for the type of address.
CareOf - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
SubDept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
StrtNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
BldgNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
BldgNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
Flr - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
UnitNb - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
PstBx - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
Room - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.

PstCd - MaxText	[0..1]	Specifies a character string with a maximum length of 16 characters.
TwNnm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
TwNlctnNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
DstrctNm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
CtrySubDvsn - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Ctry - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
Adrlne - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Id - PartyChoice	[0..1]	NOTE: Unsure on the description.
CtryOfRes - CountryCode	[0..1]	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
CtctDtls - Contact	[0..1]	Specifies the details of the contact person.
NmPrfx - Specifies the terms used to formally address a person.	[0..1]	DOCT: Doctor or Dr MADM: Madam MISS: Miss MIST: Mistress MIKS: Mx
Nm - MaxText	[0..1]	Specifies a character string with a maximum length of 140 characters.
PhneNb - PhoneNumber	[0..1]	Double check this regex.
MobNb - PhoneNumber	[0..1]	Double check this regex.
FaxNb - PhoneNumber	[0..1]	Double check this regex.
URLAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 2048 characters.
EmailAdr - MaxText	[0..1]	Specifies a character string with a maximum length of 256 characters.
EmailPurp - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
JobTitl - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Rspnsblty - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
Dept - MaxText	[0..1]	Specifies a character string with a maximum length of 70 characters.
Othr - OtherContact	[0..1]	Communication device number or electronic address used for communication.
ChanlTp - MaxText	[0..1]	Specifies a character string with a maximum length of 4 characters.
Id - MaxText	[0..1]	Specifies a character string with a maximum length of 128 characters.
PrefrdMtd - Preferred method used to reach the individual contact within an organisation.	[0..1]	LETT: Letter MAIL: Email PHON: Phone FAXX: Fax CELL: Mobile phone
Rsn - StatusReasonChoice	[0..1]	Specifies the reason for the status.
AddtlInf - MaxText	[0..1]	Specifies a character string with a maximum length of 105 characters.
Chrgslnf - NOTE: Unsure on description.	[0..0]	Seemingly a generic schema for charges, with an amount, agent, and type.
AcctncDtTm - A particular point in the progression of time defined by a mandatory	[0..1]	date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601. Note on the time format: 1) beginning / end of calendar day 00:00:00 = the beginning of a calendar day 24:00:00 = the end of a calendar day 2) fractions of second in time format Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.

PrcgDt - StatusReasonChoice	[1..1]	Specifies the reason for the status.
FctvIntrBkSttlmDt - StatusReasonChoice	[0..0]	Specifies the reason for the status.
AcctSvcrRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
ClrSysRef - MaxText	[0..1]	Specifies a character string with a maximum length of 35 characters.
InstgAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
InstdAgt - BranchAndFinancialInstitutionIdentification	[0..0]	Unique and unambiguous identification of a financial institution or a branch of a financial institution.
OrgnlTxRef - OriginalTransactionReference42	[0..0]	
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.
Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.
SplmtryData - SupplementaryData	[0..1]	Additional information that cannot be captured in the structured fields and/or any other specific block.
PlcAndNm - MaxText	[0..1]	Specifies a character string with a maximum length of 350 characters.
Envlp - SupplementaryDataEnvelope1	[0..1]	Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.

8. Appendix A: Payment Identifier Type Codes

8.1 FSPIOP Identifier types

Code	Description
MSISDN	An MSISDN (Mobile Station International Subscriber Directory Number, that is, the phone number) is used as reference to a participant. The MSISDN identifier should be in international format according to the ITU-T E.164 standard. Optionally, the MSISDN may be prefixed by a single plus sign, indicating the international prefix.
EMAIL	An email is used as reference to a participant. The format of the email should be according to the informational RFC 3696.
PERSONAL_ID	A personal identifier is used as reference to a participant. Examples of personal identification are passport number, birth certificate number, and national registration number. The identifier number is added in the PartyIdentifier element. The personal identifier type is added in the PartySubIdOrType element.
BUSINESS	A specific Business (for example, an organization or a company) is used as reference to a participant. The BUSINESS identifier can be in any format. To make a transaction connected to a specific username or bill number in a Business, the PartySubIdOrType element should be used.

Code	Description
DEVICE	A specific device (for example, a POS or ATM) ID connected to a specific business or organization is used as reference to a Party. For referencing a specific device under a specific business or organization, use the PartySubIdOrType element.
ACCOUNT_ID	A bank account number or FSP account ID should be used as reference to a participant. The ACCOUNT_ID identifier can be in any format, as formats can greatly differ depending on country and FSP.
IBAN	A bank account number or FSP account ID is used as reference to a participant. The IBAN identifier can consist of up to 34 alphanumeric characters and should be entered without whitespace.
ALIAS	alias is used as reference to a participant. The alias should be created in the FSP as an alternative reference to an account owner. Another example of an alias is a username in the FSP system. The ALIAS identifier can be in any format. It is also possible to use the PartySubIdOrType element for identifying an account under an Alias defined by the PartyIdentifier.

8.2 Personal Identifier Code Table

These type are not yet supported.

Code	Description
ARNU	AlienRegistrationNumber
CCPT	PassportNumber
CUST	CustomerIdentificationNumber
DRLC	DriversLicenseNumber
EMPL	EmployeeIdentificationNumber
NIDN	NationalIdentityNumber
SOSE	SocialSecurityNumber
TELE	TelephoneNumber
TXID	TaxIdentificationNumber
POID	PersonCommercialIdentification

8.3 Organisation Identifier Code Table

These type are not yet supported.

Code	Description
BANK	BankPartyIdentification

Code	Description
CBID	CentralBankIdentificationNumber
CHID	ClearingIdentificationNumber
CINC	CertificateOfIncorporationNumber
COID	CountryIdentificationCode
CUST	CustomerNumber
DUNS	DataUniversalNumberingSystem
EMPL	EmployerIdentificationNumber
GS1G	GS1GLNIdentifier
SREN	SIREN
SRET	SIRET
TXID	TaxIdentificationNumber
BDID	BusinessDomainIdentifier
BOID	BusinessOtherIdentification

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