



Implementation Guidelines for ISO 20022 Interbank Messages

SIC and euroSIC

RTGS Participant Information (reda.015/reda.017)

Version 1.1, valid from 15 November 2024

Change history

All the changes carried out in this document are listed below with the version designation, the change date, a brief description of the change and the specification of the chapters affected.

Version	Date	Description of the change	Chapter
1.1	20.06.2024	Errata per SIC Platform-Release 4.11	
		Removal of the delivery of multiple response messages "PartyReport" (reda.017) per query message "PartyQuery" (reda.015):	
		<ul style="list-style-type: none"> Revision of the chapter 'References in a "Party Report" (reda.017)' (removal of all specifications on quantity restrictions and the structure of the message identification in the <MsgId> element) 	3.4.2
		<ul style="list-style-type: none"> Element <i>PtyRpt/MsgHdr/MsgId</i>: Removal of specifications for the structure of the message identification 	4.2.1
		<ul style="list-style-type: none"> Element <i>PtyRpt/RptOrErr/PtyRpt</i>: Removal of quantity restriction and addition that the entire SIC or euroSIC short master data is delivered within one reda.017 message 	4.2.3
1.0	28.02.2024	First edition (CR2024-SIC4-0010, replacing R10/N11 messages with ISO 20022 messages)	All

Table 1: Change history

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1 Introduction

1.1 Overview of the documentation structure

The Implementation Guidelines consist of a base document with general information concerning all message types and various module documents – one each per ISO 20022 message type, e.g. this document for the message types "reda.015" and "reda.017" – with message-specific information, including information on the application-specific handling of individual elements. They specify the messages to be submitted to and delivered from the RTGS services SIC and euroSIC in the ISO 20022 message standard.

These Implementation Guidelines are modular in structure:

- The base document contains general information applying to all messages.
- The module documents – one for each ISO 20022 message type – contain message-specific information, including information on the application-specific handling of certain elements.
- An XML schema (XSD) and generic XML sample messages are published for each separate Implementation Guideline.

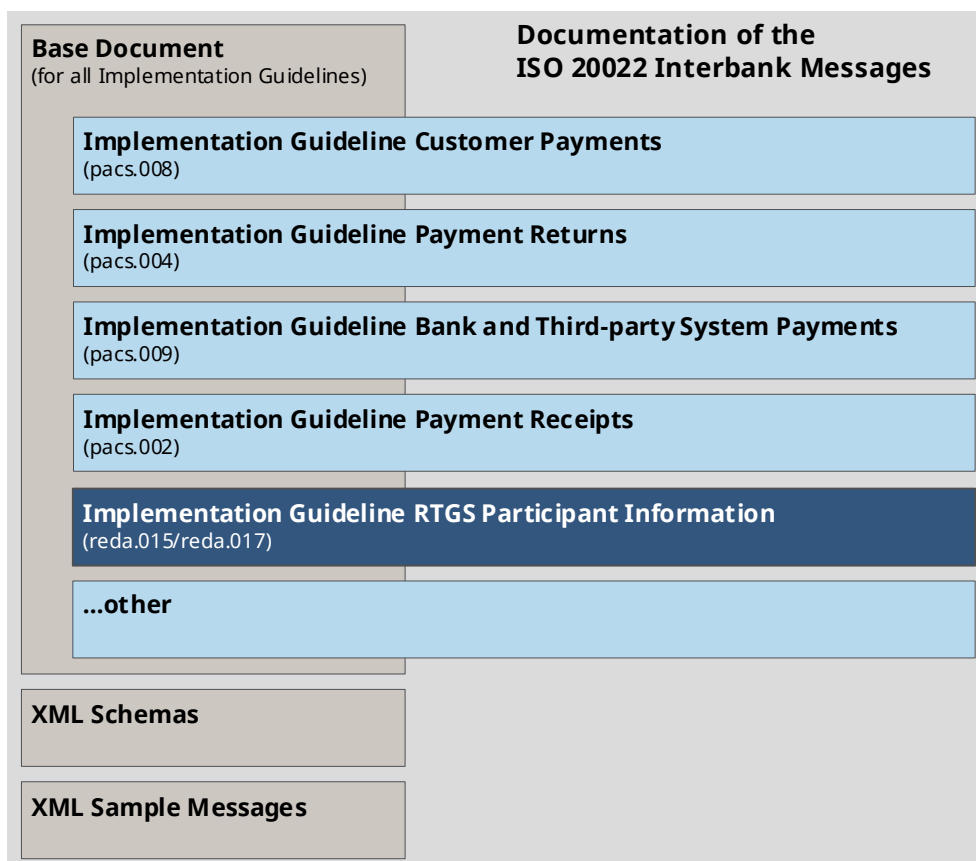


Figure 1: Documentation structure for message types "reda.015" and "reda.017"

1.2 Target audience

The "Implementation Guidelines for ISO 20022 Interbank Messages" are addressed to all participants of the Swiss RTGS services SIC and euroSIC.

1.3 Change control

All modifications made to this document are listed in the change history (Table 1) showing the version, the date of the change, a brief description and references to the chapters concerned.

1.4 XML schemas

The XML schemas for "reda.015" and "reda.017" for the RTGS services are published on the www.iso-payments.ch website:

- ***reda.015.001.01.ch.01.xsd***
- ***reda.017.001.01.ch.02.xsd***

They should preferably be opened using specialized XML software.

1.5 Validation portal

After registration, users can upload their own messages to the SIC & euroSIC Validation Portal Interbank Messages (validation.iso-payments.ch/SIC4) and validate them against these Implementation Guidelines.

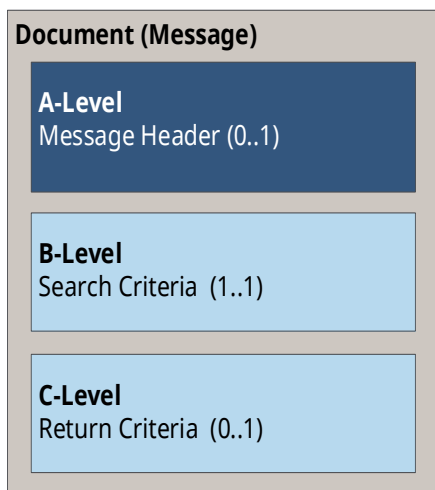
1.6 Reference documents

Additional information on the Implementation Guidelines can be found in the reference documents listed in the base document.

2 ISO definitions

The query message "PartyQuery" (reda.015) is sent by the participant as an "RTGS participant query" to the RTGS services to obtain a list of all participants of the SIC or euroSIC RTGS service. It is used on the basis of the ISO-20022 XML schema "reda.015.001.01".

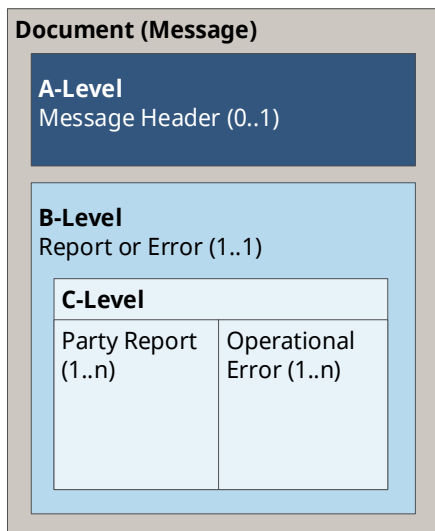
In response to the "reda.015" query message, the RTGS services always sends the "PartyReport" (reda.017) message as an "RTGS participant delivery" back to the participant. It is used on the basis of the ISO 20022 XML schema "reda.017.001.01".



The "reda.015" message is essentially structured as follows:

- **A-level:** "Message Header" element.
This block can occur 0..1 times in the ISO definition.
This block must occur exactly once in the RTGS services.
- **B-level:** "Search Criteria" element.
This block must occur exactly once.
- **C-level:** "Return Criteria" element.
This block is not used in the RTGS services.

Figure 2: Basic message structure of the "reda.015" message



The "reda.017" message is essentially structured as follows:

- **A-level:** "Message Header" element.
This block can occur 0..1 times in the ISO definition.
This block must occur exactly once in the RTGS services.
- **B-level:** "Report or Error" element.
This block must occur exactly once.
- **C-level:** Report level, consisting of either the "Party Report" block element (can occur more than once) or the "Operational Error" block element (can occur at most once in the RTGS services in the query response).

Figure 3: Basic message structure of the "reda.017" message

3 Business specifications

3.1 Message flow

In the "RTGS participant query/RTGS participant delivery" use case, the "reda.015" message is used by the participant to request a list of all participants of the SIC or euroSIC RTGS service. The query message is always answered by the service with the "reda.017" message. This message contains either the entire current RTGS short master data or an error message.

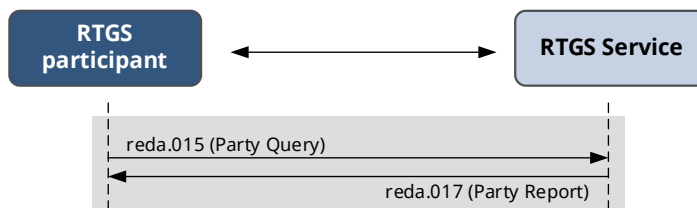


Figure 4: Message flow for the RTGS participant query / RTGS participant delivery messages

3.2 Use cases

The "Party Query" and "Party Report" messages are used in the following use case in the RTGS services:

Use case	Input/Output	ISO 20022
RTGS participant query / RTGS participant delivery	I/O	reda.015/reda.017

Table 2: Use case for the ISO 20022 "reda.015" and "reda.017" message types

3.3 Transaction types

The following transaction type is available:

Limit type	Code value
RTGS participant query / RTGS participant delivery	RTPTQY

Table 3: Transaction type and its code in the "reda.015" and "reda.017" messages

To allow for correct, transaction type-specific definition and validation, a corresponding code value is provided in both messages.

The identification of the transaction type in the "reda.015" message is provided as a code value in the `.../MsgHdr/ReqTp/Prtry/SchmeNm` element.

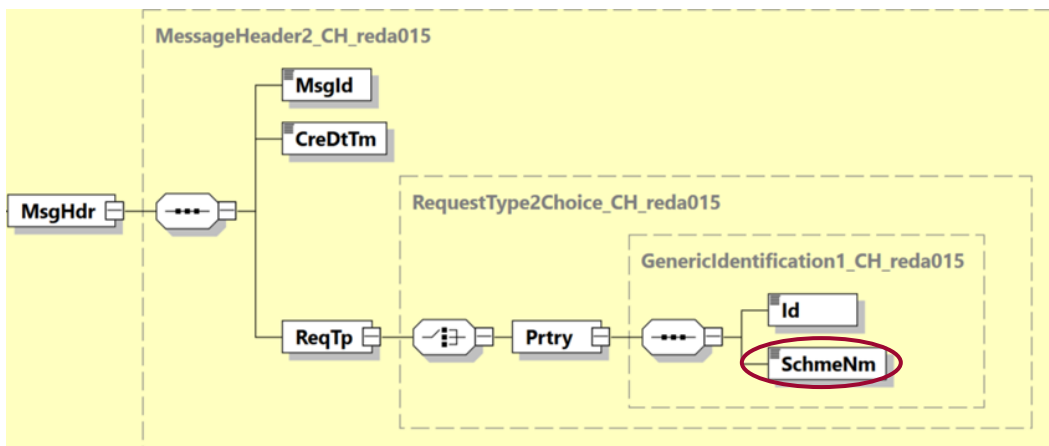


Figure 5: Specifying the transaction type in the "reda.015" message

The identification of the transaction type in the "reda.017" message is provided as a code value in the `.../MsgHdr/QryNm` element.

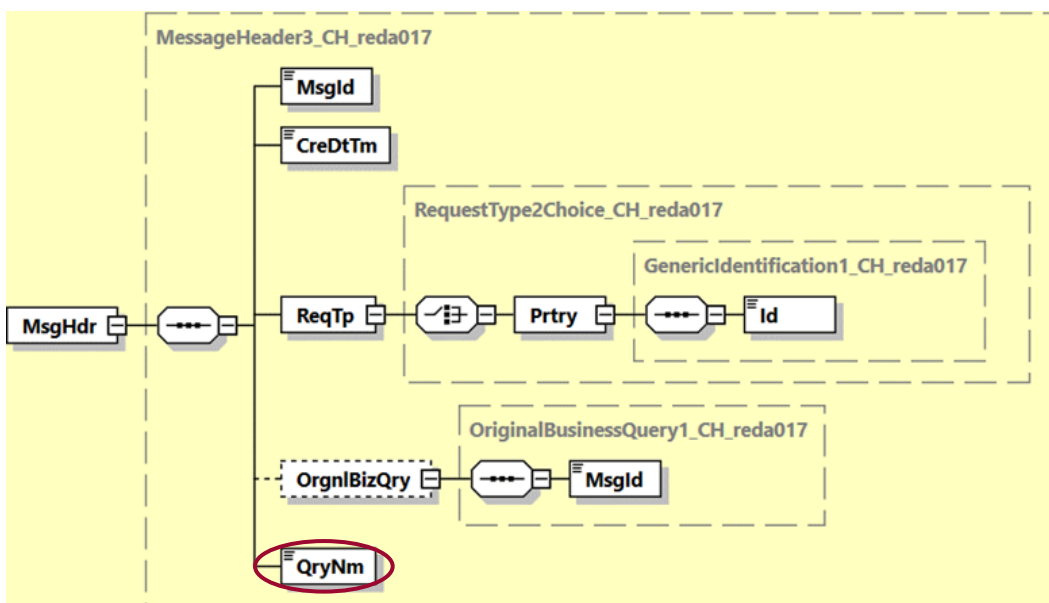


Figure 6: Specifying the transaction type in the "reda.017" message

3.4 Use of references

3.4.1 References in a "Party Query" (reda.015)

"Message Identification" (A-level)

In the "reda.015" message, the `.../MsgHdr/MsgId` reference value is provided in the A-level by the querying participant as the unique message identification.

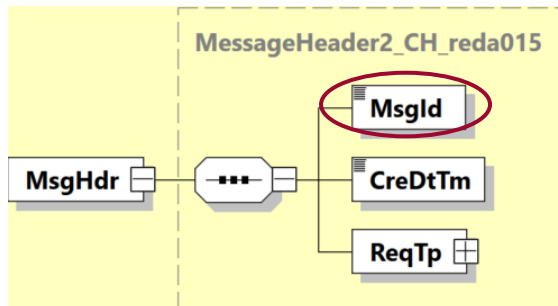


Figure 7: Message Identification in the "reda.015" message

3.4.2 References in a "Party Report" (reda.017)

"Message Identification" (A-level)

In the "reda.017" message, the `.../MsgHdr/MsgId` reference value is provided in the A-level by the SIC or euroSIC RTGS service as the unique message identification of the response message.

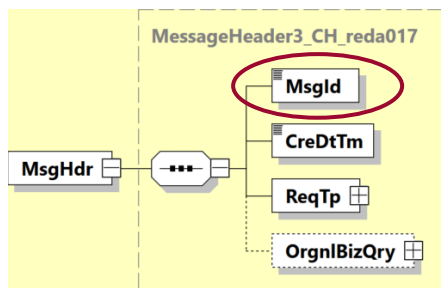


Figure 8: Message Identification in the "reda.017" message

Message identification of the query message in the "Original Business Query" element

In the "reda.017" response message, the message identification of the original "reda.015" query message is returned in the .../OrgnlBizQry/MsgId element.

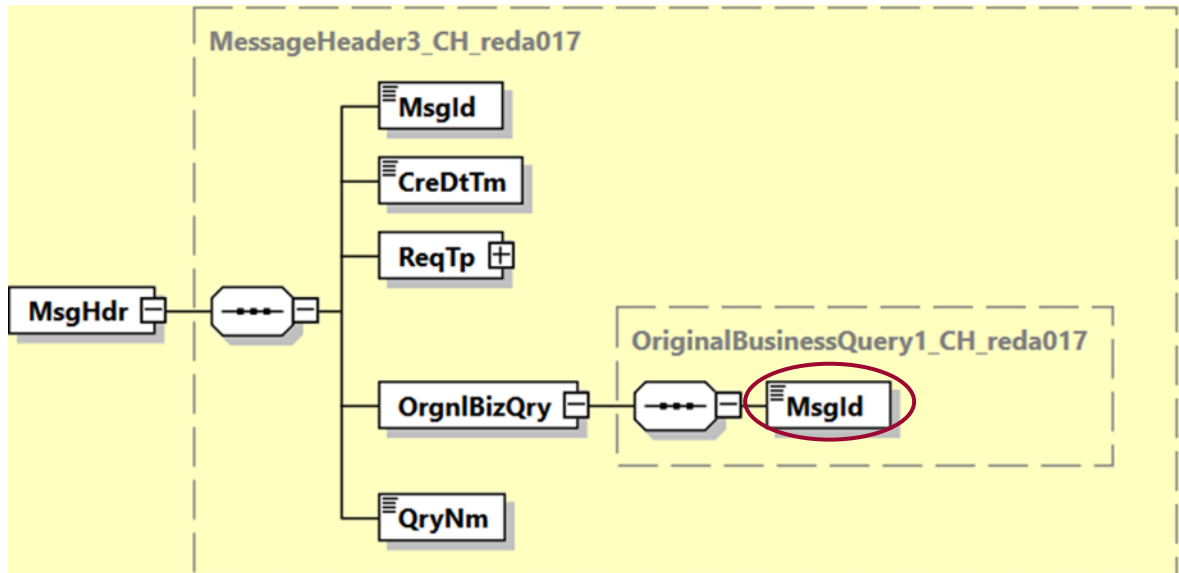


Figure 9: Message Identification of the query message inside the "reda.017" message

3.5 Query criteria in the "Party Query" (reda.015)

Query criteria are specified in the B-level of the "reda.015" message in the .../SchCrit element.

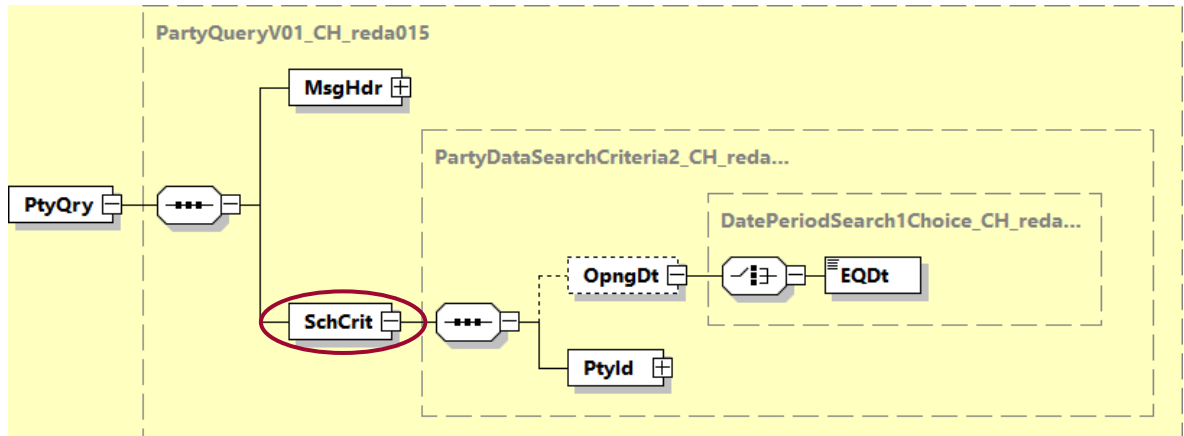


Figure 10: Specifying the query's Search Criteria in the "reda.015" message (Search Criteria)

Element	Description
<OpngDt>	Search criteria about the validity date
<PtyId>	Search criteria about the querying participant

Table 4: Query criteria in the "reda.015" message

- The search criterion for the validity date can optionally be used to query either the valid participant identifications of the current or the next clearing day. If this search criterion is not used, the response message "reda.017" always returns the participant identifications of the current clearing day that are valid at the time of the query.
- The search criterion for the querying participant must always be submitted for the purpose of authorization checking but has no influence on the results in the response message "reda.017".

3.6 Use of the "Report Or Error" block (reda.017)

The query result is delivered in the *PtyRpt/RptOrErr* element as follows:

- Participant details for the entire SIC or euroSIC short master data are delivered in multiple repetitions of the *PtyRpt/RptOrErr/PtyRpt* element.
- If an error occurred during the query, the error information is supplied in the *PtyRpt/RptOrErr/OprlErr* element.

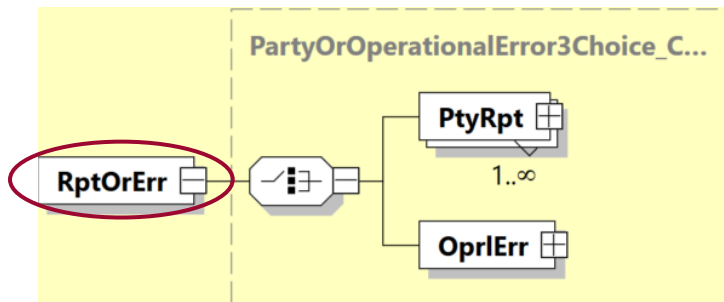


Figure 11: Report or error information in the "reda.017" message (RprtOrErr)

3.6.1 Participant information in the "Party Report" element

Participant information from the SIC or euroSIC short master data is sent in the *PtyRpt/RptOrErr/PtyRpt* element:

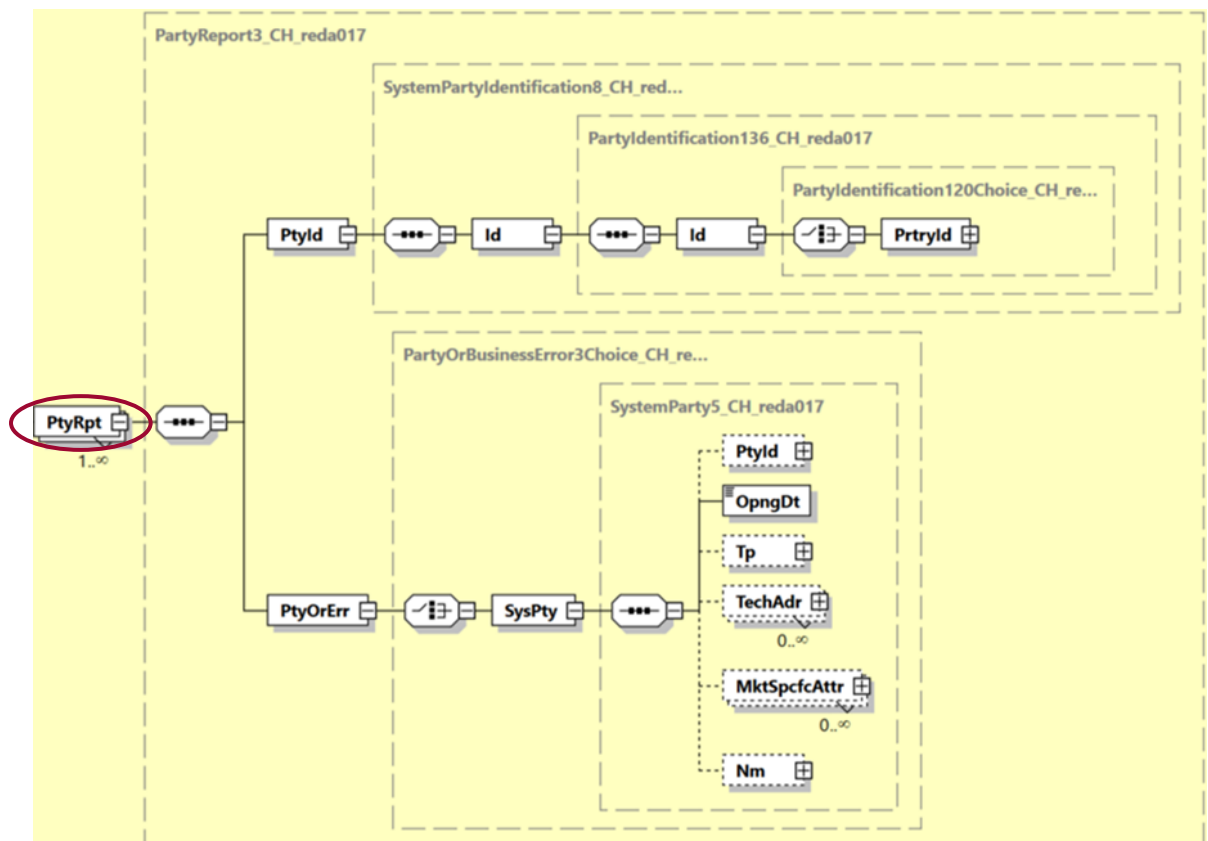


Figure 12: Results in the "reda.017" message (PrtyRpt)

- The *PtyRpt/PtyId/Id/Id/PrtryId/Id* element contains the SIC IID of one SIC- or euroSIC-participant.
- In addition, the *PtyRpt/PtyId/Id/Id/PrtryId/SchmeNm* element is populated with the status of that SIC IID as a code. The following code values are defined:

Code value	Status
ACTV	Active
CONC	Concatenated

Table 5: Status codes in the "reda.017" message (*SchmeNm*)

- In the *PtyRpt/PtyOrErr/SysPty* element – depending on the status code – additional information about the SIC IID is provided:

Sub-element	Description	Status code
<i>.../PtyId/Id/Id/PrtryId/Id</i>	SIC IID of the participant (concatenation destination)	CONC
<i>.../OpngDt</i>	Valid from date Depending on the use of the query criterion <OpngDt> in the query message "reda.015", either the date of the current or the next clearing day is always delivered.	ACTV CONC
<i>.../Tp/Cd</i>	Participant Type (Code) Contains the participant type of the SIC-IID, for permitted code values see element definition in chapter 4.2.3.	ACTV
<i>.../TechAdr/BICFI</i>	Additional Secondary Identification Is used optionally if the participant can also be reached via a BIC in the SIC or euroSIC RTGS service.	ACTV
<i>.../MktSpcfcAttr/Nm</i> <i>.../MktSpcfcAttr/Val</i>	Further Participant Attributes Provides information on the publication status of the SIC-IID in the public bank master data, for permitted code values see element definition in chapter 4.2.3.	ACTV
<i>.../Nm/Nm</i>	Name of bank / institution	ACTV

Table 6: Additional information in the "reda.017" message (*SysPty*)

3.6.2 Error information in the "Operational Error" element

In case of an incorrect query, an error code is supplied in the response message in the .../OprlErr/Err/Prtry element:

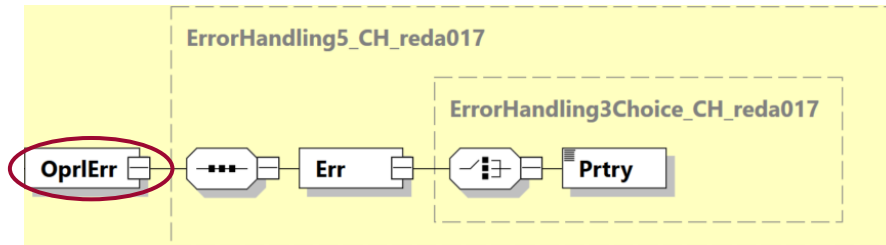


Figure 13: Error information in the "reda.017" message (OprlErr)

The following codes are defined:

Code value	Event
NRSLT	No data matching the query criteria was found
NAUTH	Query is not permitted
QYINV	Invalid query criteria

Table 7: Error codes in the query response in the "reda.017" message (OprlErr)

4 Technical specifications

4.1 "Party Query" message (PtyQry, reda.015)

4.1.1 Message Header (MsgHdr, A-level)

The "Message Header" block (A-level of the message) occurs exactly once in the message and contains the following elements:

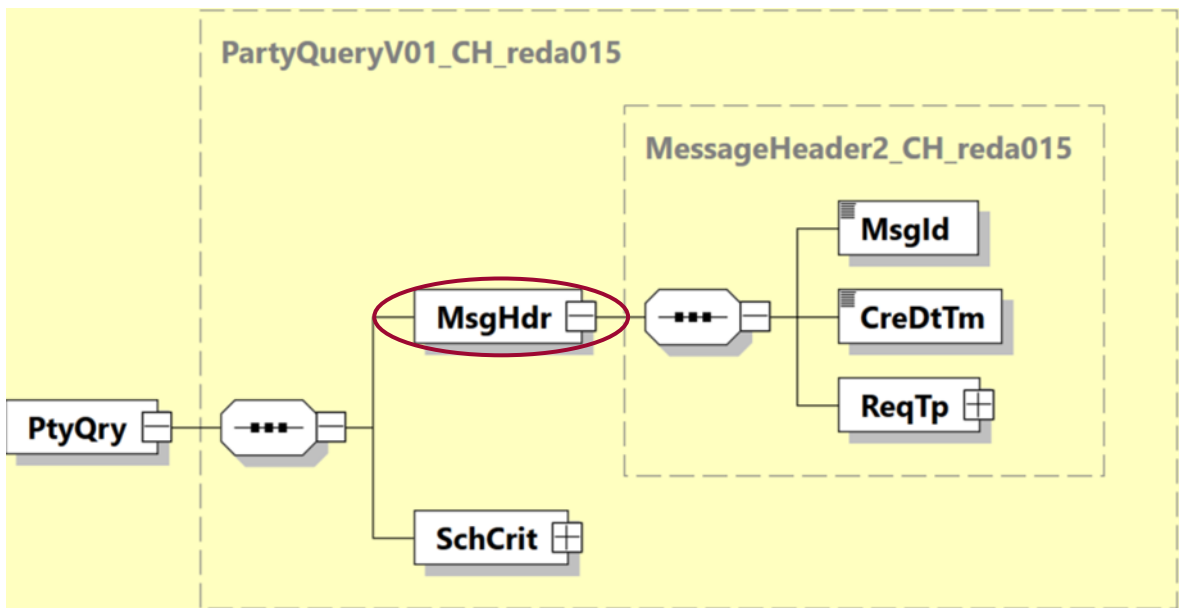


Figure 14: Message Header (MsgHdr) "reda.015"

The following table specifies all the elements of the "Message Header" block in the "reda.015" message that are relevant to the RTGS services.

ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult	Mult	Definition
Document +Party Query V01	PtyQry	1..1	1..1	
Message Header	MsgHdr	0..1	1..1	
Message Header +Message Identification	MsgId	1..1	1..1	Message Identification Only the restricted character set excluding spaces is permitted for this element.
Message Header +Creation Date Time	CreDtTm	0..1	1..1	Creation Date Time
Message Header +Request Type	ReqTp	0..1	1..1	
Message Header +Request Type ++Proprietary	Prtry	1..1	1..1	
Message Header +Request Type ++Proprietary +++Identification	Id	1..1	1..1	Clearing System Identification (proprietary) Identification of the clearing system, the following code values are available: SIC (CHF only) = value SIC must be used euroSIC (EUR only) = value SEU must be used
Message Header +Request Type ++Proprietary +++Scheme Name	SchmeNm	0..1	1..1	Query Type Must be used to identify the query type. The following codes are defined: RTPTQY - RTGS participant query

Table 8: reda.015 – Message Header (MsgHdr, A-level)

4.1.2 Search Criteria (SchCrit, B-level)

The "Search Criteria" block (B-level of the message) occurs once and contains the SIC IID of the querying participant.

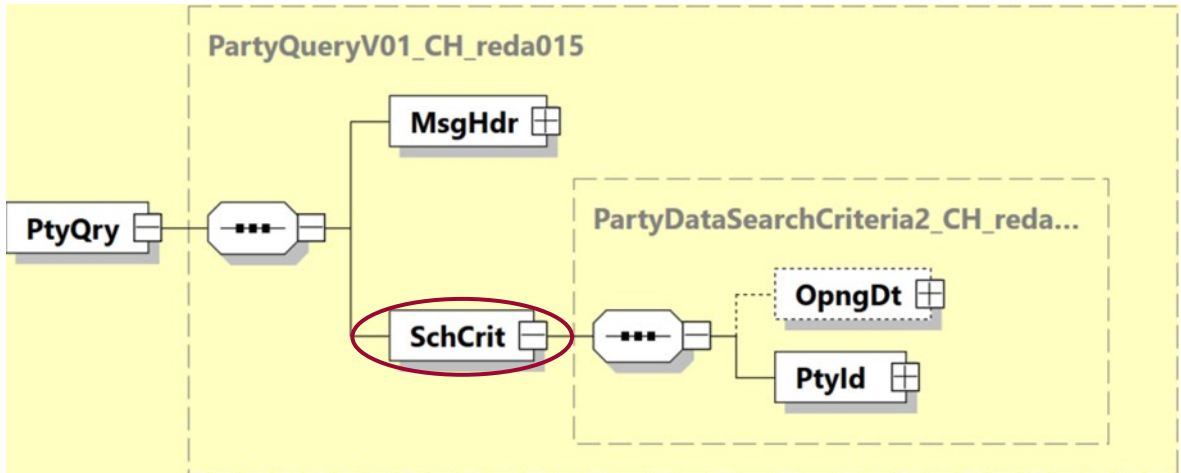


Figure 15: Search Criteria (SchCrit) "reda.015"

The following table specifies all the elements of the "Search Criteria" block of the "reda.015" message that are relevant to the RTGS services.

ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult	Mult	Definition
Search Criteria	SchCrit	1..1	1..1	Search Criteria
Search Criteria +Opening Date	OpngDt	0..1	0..1	Validity date Can optionally be used to query either the participant identifications of the current or the next clearing day. Note: Information on participant identifications of the next clearing day can only be queried if these have already been prepared by the RTGS service. Further details on the timing sequence of the clearing day procedure of the RTGS service can be found in the SIC or euroSIC Handbook.
Search Criteria +Opening Date ++Equal Date	EQDt	1..1	1..1	Date of the current or the next clearing day.
Search Criteria +Party Identification	PtyId	0..1	1..1	Querying Participant Identifies the party submitting the query. Required for authorization checking.
Search Criteria +Party Identification ++Identification	Id	1..1	1..1	Identification
Search Criteria +Party Identification ++Identification +++Any BIC	AnyBIC {Or	1..1	1..1	Identification of Querying Participant (BIC) Only a valid published BIC (Business Identifier Code) is permitted. BICs for financial institutions are registered and published by the ISO 9362 Registration Authority in the ISO directory of BICs, and consists of eight (8) or eleven (11) contiguous alphanumeric characters. Must contain a valid BIC of an active participant. Must not be concatenated.
Search Criteria +Party Identification ++Identification +++Proprietary Identification	PrtryId Or}	1..1	1..1	Identification of Querying Participant (proprietary) Must contain a valid identification of an active participant. Must not be concatenated.
Search Criteria +Party Identification ++Identification +++Proprietary Identification ++++Identification	Id	1..1	1..1	Member Identification SIC IID (=6n), must be contained in the bank master data, active, and not concatenated.

ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult	Mult	Definition
Search Criteria +Party Identification ++Identification +++Proprietary Identification ++++Issuer	Issr	1..1	1..1	Clearing System Identification (proprietary) Permitted code value: CHSIC (SIC IID (=6n)).

Table 9: reda.015 – Search Criteria (SchCrit, B-level)

4.2 "Party Report" message (PtyRpt, reda.017)

4.2.1 Message Header (MsgHdr, A-level)

The "Message Header" block (A-level of the message) occurs exactly once in the message and contains the following elements:

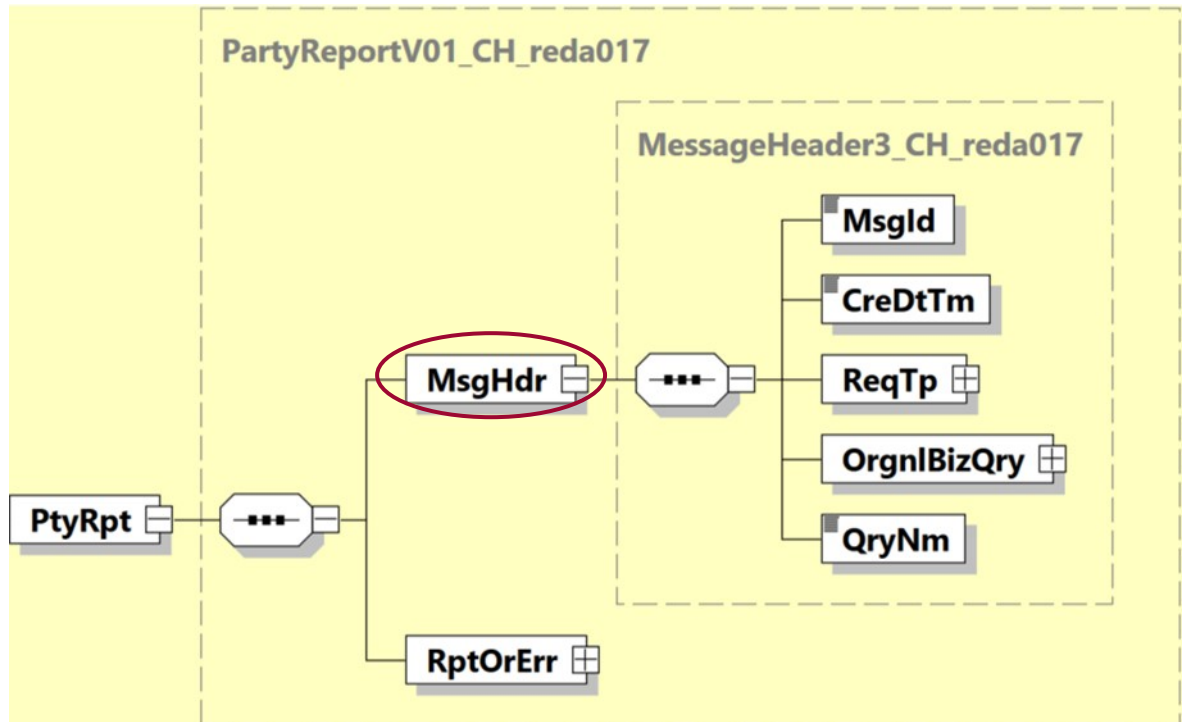


Figure 16: Message Header (MsgHdr) "reda.017"

The following table specifies all the elements of the "Message Header" block in the "reda.017" message that are relevant to the RTGS services.

ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult	Mult	Definition
Document +Party Report V01	PtyRpt	1..1	1..1	
Message Header	MsgHdr	0..1	1..1	
Message Header +Message Identification	MsgId	1..1	1..1	Message Identification Only the restricted character set excluding spaces is permitted for this element.
Message Header +Creation Date Time	CreDtTm	0..1	1..1	Creation Date Time
Message Header +Request Type	ReqTp	0..1	1..1	
Message Header +Request Type ++Proprietary	Prtry	1..1	1..1	
Message Header +Request Type ++Proprietary +++Identification	Id	1..1	1..1	Clearing System Identification (proprietary) Identification of the clearing system, the following code values are available: SIC (CHF only) = value SIC must be used euroSIC (EUR only) = value SEU must be used
Message Header +Original Business Query	OrgnlBizQry	0..1	1..1	
Message Header +Original Business Query ++Message Identification	MsgId	1..1	1..1	Message Identification of the Query Message
Message Header +Query Name	QryNm	0..1	1..1	Transaction Type Always used to identify the transaction type. The following codes are defined: RTPTQY - RTGS participant delivery (response to an RTGS participant query)

Table 10: *reda.017 – Message Header (MsgHdr, A-level)*

4.2.2 Report Or Error (RptOrErr, B-level)

The "Report Or Error" block (B-level of the message) occurs exactly once in the message and contains the following elements:

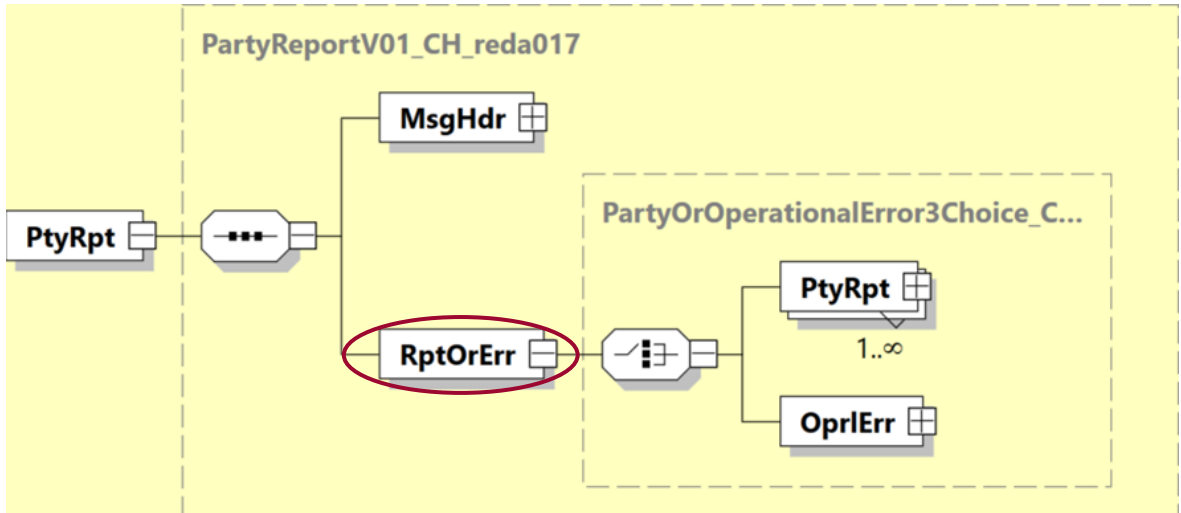


Figure 17: Report Or Error (RptOrErr) "reda.017"

The following table specifies all the elements of the "Report Or Error" block of the "reda.017" message that are relevant to the RTGS services.

ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult	Mult	Definition
Report Or Error	RptOrErr	1..1	1..1	Report Or Error Either the <PtyRpt> element returning participant information or one <OprlErr> element containing error information will be delivered.

Table 11: *reda.017 – Report Or Error (RptOrErr, B-level)*

4.2.3 Party Report / Operational Error (PtyRpt/OprlErr, C-level)

The C-level of the message occurs once and consists of either several instances of the "Party Report" element or one instance of the "Operational Error" element:

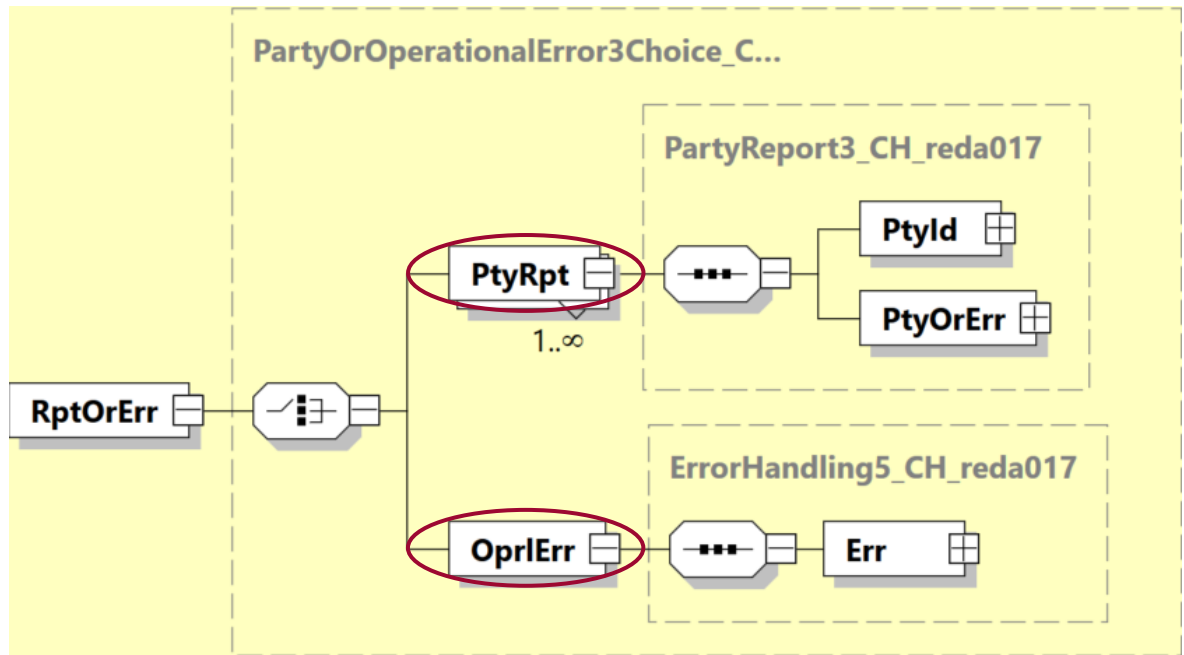


Figure 18: Party Report or Operational Error (PtyRpt or OprlErr) "reda.017"

The following table specifies all the elements of the "Party Report" and "Operational Error" blocks of the "reda.017" message that are relevant to the RTGS services.

ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult	Mult	Definition
Party Report	PtyRpt	1..n	1..n	Report Contains RTGS participant information, always the entire SIC or euroSIC short master data is delivered within one reda.017 message.
Party Report +Party Identification	PtyId	1..1	1..1	Identification of Participant
Party Report +Party Identification ++Identification	Id	1..1	1..1	
Party Report +Party Identification ++Identification +++Identification	Id	1..1	1..1	
Party Report +Party Identification ++Identification +++Identification ++++Proprietary Identification	PrtryId	1..1	1..1	Identification of the Participant (proprietary)
Party Report +Party Identification ++Identification +++Identification ++++Proprietary Identification +++++Identification	Id	1..1	1..1	Member Identification SIC IID (=6n)
Party Report +Party Identification ++Identification +++Identification ++++Proprietary Identification +++++Issuer	Issr	1..1	1..1	Clearing System Identification (proprietary) Permitted code value: CHSIC (SIC IID (=6n)).

ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult	Mult	Definition
Party Report +Party Identification ++Identification +++Identification ++++Proprietary Identification +++++Scheme Name	SchmeNm	0..1	1..1	Status Code (proprietary) Status of the identification of the participant The following codes are defined: ACTV = active CONC = concatenated
Party Report +Party Or Error	PtyOrErr	1..1	1..1	Additional Participant Information
Party Report +Party Or Error ++System Party	SysPty	1..1	1..1	
Party Report +Party Or Error ++System Party +++Party Identification	PtyId	0..1	0..1	New Identification of Participant (Concatenation Destination) Only used for concatenated identification (= code CONC in the element PtyRpt/PtyId/Id/Id/PrtryId/SchmeNm). Contains the newly assigned identification of the participant.
Party Report +Party Or Error ++System Party +++Party Identification ++++Identification	Id	1..1	1..1	
Party Report +Party Or Error ++System Party +++Party Identification ++++Identification +++++Identification	Id	1..1	1..1	
Party Report +Party Or Error ++System Party +++Party Identification ++++Identification +++++Proprietary Identification	PrtryId	1..1	1..1	Identification of the Participant (proprietary)

ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult	Mult	Definition
Party Report +Party Or Error ++System Party +++Party Identification ++++Identification +++++Identification ++++++Proprietary Identification ++++++Identification	Id	1..1	1..1	Member Identification SIC IID (=6n)
Party Report +Party Or Error ++System Party +++Party Identification ++++Identification +++++Identification ++++++Proprietary Identification ++++++Issuer	Issr	1..1	1..1	Clearing System Identification (proprietary) Permitted code value: CHSIC (SIC IID (=6n)).
Party Report +Party Or Error ++System Party +++Opening Date	OpngDt	0..1	1..1	Valid From Date Contains either the current or next clearing day by which the specified participant identification information is valid.
Party Report +Party Or Error ++System Party +++Type	Tp	0..1	0..1	Participant Type Only used for active identification (= code ACTV in the element PtyRpt/PtyId/Id/Id/PrtryId/SchmeNm).
Party Report +Party Or Error ++System Party +++Type ++++Code	Cd	1..1	1..1	Participant Type (code) The following codes are defined: SYMG = System Manager SYOP = System Operator STPU = Standard participant without restrictions STPR = Standard participant with restrictions (no customer payments)
Party Report +Party Or Error ++System Party +++Technical Address	TechAdr	0..n	0..n	Additional Secondary Identification Optionally used for active identification (= code ACTV in the element PtyRpt/PtyId/Id/Id/PrtryId/SchmeNm) when the participant can be reached via another identification.

ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult	Mult	Definition
Party Report +Party Or Error ++System Party +++Technical Address ++++BICFI	BICFI {Or	1..1	1..1	Analogous to the publicly available "Swiss Bank Master", all BICs are always represented with 11 characters.
Party Report +Party Or Error ++System Party +++Technical Address ++++Technical Address	TechAdr Or}	1..1	1..1	Not used (retained in schema for potential future use).
Party Report +Party Or Error ++System Party +++Market Specific Attribute	MktSpfcAttr	0..n	0..n	Further Participant Attributes Only used for active identification (= code ACTV in the element PtyRpt/PtyId/Id/Id/PrtryId/SchmeNm). The element is used a maximum of once.
Party Report +Party Or Error ++System Party +++Market Specific Attribute ++++Name	Nm	1..1	1..1	Attribute Name The following attributes are defined: PblSts = Publication Status
Party Report +Party Or Error ++System Party +++Market Specific Attribute ++++Value	Val	1..1	1..1	Attribute values The following values are defined for the attribute "PblSts": PUAV = publicly available, is published in the "Swiss Bank Master" NOPA = not publicly available, is not published in the "Swiss Bank Master"
Party Report +Party Or Error ++System Party +++Name	Nm	0..1	0..1	Only used for active identification (= code ACTV in the element PtyRpt/PtyId/Id/Id/PrtryId/SchmeNm).
Party Report +Party Or Error ++System Party +++Name ++++Name	Nm	1..1	1..1	Name of bank / institution Analogous to the publicly available "Swiss Bank Master", the maximum length is 60 characters. Note: + as the first character of the bank / institution name = in liquidation ++ as the first 2 characters of the bank / institution name = change of purpose

ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult	Mult	Definition
Operational Error	OprlErr Or}	1..n	1..1	Error If the query cannot be performed for any reason, an error will be returned.
Operational Error +Error	Err	1..1	1..1	
Operational Error +Error ++Proprietary	Prtry	1..1	1..1	Error Code (proprietary) The reason for the error is specified by a proprietary error code. The following error codes are defined: NRSLT: No data matching the query criteria was found NAUTH: Query is not permitted QYINV: Invalid query criteria

Table 12: *reda.017 – Response level (PtyRpt or OprlErr, C-level)*