



Implementation Guidelines for ISO 20022 Interbank Messages

SIC and euroSIC

Recapitulations (camt.052)

Version 2.0, valid from 18 November 2022

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 |
|---------|------------|--|----------|
| 2.0 | 17.12.2021 | Complete revision due to update of ISO 20022 version 2019 | All |
| | | New chapter "Introduction" (replaces the previous chapter "Overview of the documentation structure" and appendices) | 1 |
| | | New ISO 20022 schema version | 1, 2 |
| | | Revision of "ISO definition" due to changed message construction | 2 |
| | | Additional note for list type SYSREC (specification, no change of system behavior) | 3.2 |
| | | Removal of payment types "ESRPMT" and "TCMSTM", renaming of payment types "ESRDEB", "IPIDEB" and "CSTRTN" | 3.4 |
| | | Altered usage for element <TtlNtriesPerBkTxCd> due to new ISO version 2019 structure | 3.4, 3.5 |
| | | Previous transaction parties <DbtrAgt> / <CdtrAgt> replaced by <InstgAgt>/<InstdAgt> | 3.9 |
| | | Complete revision of "Technical specifications for the RTGS systems" ; Details as per the separate document "Delta Commentary camt.052" (only in English). | 4 |
| | | Correcting maximum number of <Ntry> elements from 14 to 10 (errata, no change of system behavior) | 4.3 |
| 1.8 | 22.02.2021 | Last version based on the previous ISO 20022 version | All |
| 1.0 | 16.05.2014 | First edition | All |

Table 1: Change history

Please address all suggestions, corrections, and proposed improvements to this document to:

SIX Interbank Clearing Ltd
Hardturmstrasse 201
CH-8005 Zurich
E-Mail: operations.sic@six-group.com
www.six-group.com

General notes

SIX Interbank Clearing Ltd ("**SIC Ltd**") reserves the right to modify this document, as the need arises, at any time without prior notice.

SIC Ltd reserves all rights for this document including the rights of photomechanical reproduction, storage on electronic media and the translation into foreign languages.

Although great care has been taken in the compilation and preparation of this work to ensure accuracy, errors and omissions cannot be entirely ruled out. SIC Ltd cannot be held liable for any decision made or action taken in reliance on the information in this document or for any consequential, special or similar damages.

To improve readability, the use of masculine and feminine forms of language are avoided wherever possible. All personal designations are to be regarded as gender neutral.

If you detect any errors in this document or have any ideas or suggestions for improvements we would be extremely grateful if you would notify these by e-mail to [**operations.sic@six-group.com**](mailto:operations.sic@six-group.com).

Table of contents

| | |
|--|-----------|
| Change history | 2 |
| General notes | 3 |
| Table of contents..... | 4 |
| Table of tables | 5 |
| Table of figures..... | 6 |
| 1 Introduction | 7 |
| 1.1 Overview of the documentation structure | 7 |
| 1.2 Target audience..... | 8 |
| 1.3 Change control | 8 |
| 1.4 XML schema | 8 |
| 1.5 Validation portal | 8 |
| 1.6 Reference documents | 8 |
| 2 ISO definitions..... | 9 |
| 3 Business specifications for the RTGS systems | 10 |
| 3.1 Use cases | 10 |
| 3.2 List types..... | 10 |
| 3.3 Simplified message structure for list types ACCREC and SVCREC..... | 11 |
| 3.4 Names of payment types | 12 |
| 3.5 Summary of transactions for the clearing day | 15 |
| 3.6 Processing codes for cancelled payments | 16 |
| 3.7 Additional information about amounts | 17 |
| 3.8 Use of references | 18 |
| 3.9 Parties of a transaction | 18 |
| 3.10 Further business specifications..... | 18 |
| 4 Technical specifications for the RTGS systems | 19 |
| 4.1 Group Header (GrpHdr, A-level)..... | 19 |
| 4.2 Report (Rpt, B-level) | 22 |
| 4.3 Entry (Ntry, C-level) | 31 |
| 4.4 Entry Details (NtryDtls, D-level) | 34 |

Table of tables

| | | |
|-----------|--|----|
| Table 1: | Change history | 2 |
| Table 2: | Use cases for the "camt.052" message..... | 10 |
| Table 3: | List types and their code values in the "camt.052" message | 10 |
| Table 4: | List of payment types and their codes in ISO 20022 messages..... | 12 |
| Table 5: | Processing codes for cancelled payments | 16 |
| Table 6: | Codes for identifying the amount values sent in the <Bal> element..... | 17 |
| Table 7: | Group Header (GrpHdr, A-level)..... | 21 |
| Table 8: | Report (Rpt, B-level)..... | 30 |
| Table 9: | Entry (Ntry, C-level) | 33 |
| Table 10: | Entry Details (NtryDtls, D-level)..... | 41 |

Table of figures

| | | |
|------------|---|----|
| Figure 1: | Documentation structure for message type "camt.052" | 7 |
| Figure 2: | Basic message structure of the "camt.052" message | 9 |
| Figure 3: | Simplified message structure for the "camt.052" message for list types ACCREC and SVCREC..... | 11 |
| Figure 4: | Delivery of the payment type in the <BkTxCd><Prtry><Cd> element..... | 13 |
| Figure 5: | Delivery of the payment type in the <TtlNtriesPerBkTxCd> (ACCREC, SYSREC, SVCREC) block..... | 13 |
| Figure 6: | Delivery of the payment type in the <Ntry> (DETREC, CNCREC) block | 14 |
| Figure 7: | <TxSummry> element: summary of transactions | 15 |
| Figure 8: | <RtrInf> element: display of processing codes | 16 |
| Figure 9: | <Bal> element: additional information about amounts | 17 |
| Figure 10: | Group Header (GrpHdr, A-level)..... | 19 |
| Figure 11: | Report (Rpt, B-level) | 22 |
| Figure 12: | Entry (Ntry, C-level) | 31 |
| Figure 13: | Entry Details (NtryDtls, D-level)..... | 34 |

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 type "camt.052" – 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 systems 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.
- For each Implementation Guideline, an XML schema (XSD) and generic XML sample messages will be published.

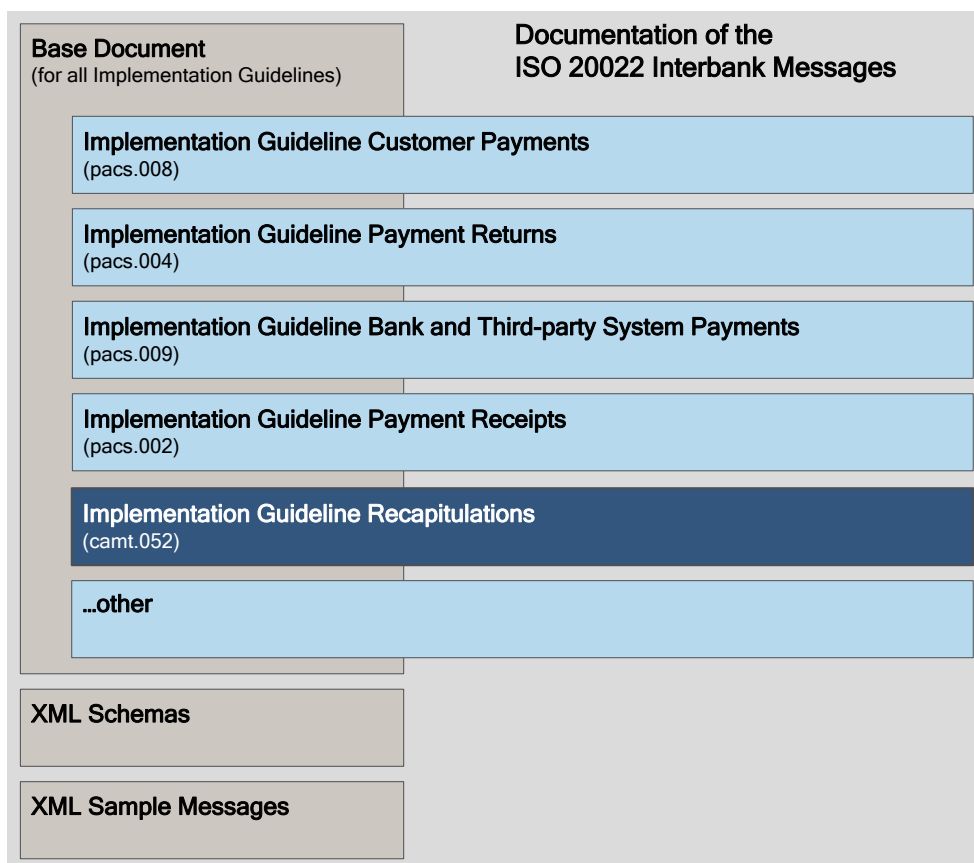


Figure 1: Documentation structure for message type "camt.052"

1.2 Target audience

The "Implementation Guidelines for ISO 20022 Interbank Messages" are addressed to all participants of the Swiss RTGS systems 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 schema

The XML schema for "camt.052" for the RTGS systems is published on the SIX Interbank Clearing Ltd website www.iso-payments.ch:

- ***camt.052.001.08.ch.01.xsd***

It 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 this Implementation Guideline. In addition, sample XML messages are available in the download area of the validation portal.

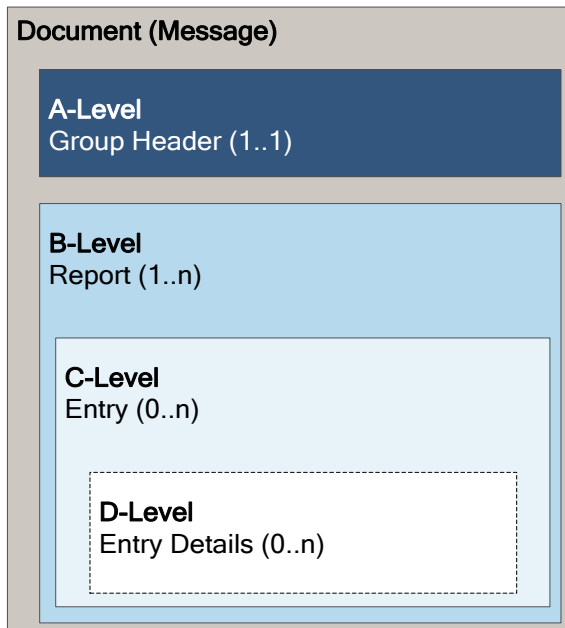
1.6 Reference documents

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

2 ISO definitions

The "Bank to Customer Account Report" message (camt.052) is sent from the RTGS systems to the participants of the RTGS systems to ensure reconciliation of their own systems with the settlement account.

The "Bank to Customer Account Report" message is based on the ISO 20022 XML schema "camt.052.001.08".



The "camt.052" message is essentially structured as follows:

- **A-level:** Message level, "Group Header" element.
This block must occur exactly once.
- **B-level:** Account level, "Report" element.
This block is used only once but may occur n times in the ISO definition.
- **C-level:** Amount level, "Entry" element.
This block is optional and may occur n times.
- **D-level:** Amount details, "Entry Details" element.
This block must occur exactly once, but can occur n times in the ISO definition.

Figure 2: Basic message structure of the "camt.052" message

3 Business specifications for the RTGS systems

3.1 Use cases

The "Bank to Customer Account Report" message is used in the following use cases in the RTGS systems:

| Use case | Input/Output | ISO 20022 |
|--|--------------|-----------|
| Recapitulation for participants | O | camt.052 |
| Recapitulation for system managers | O | camt.052 |
| Recapitulation for third-party systems | O | camt.052 |
| Detailed recapitulation | O | camt.052 |
| Cancellation log for payments | O | camt.052 |

Table 2: Use cases for the "camt.052" message

3.2 List types

The use cases in the "camt.052" message are distinguished by specifying a list type in the `<AddtlInf>` element in the "Group Header":

| List type | Code value | Use case |
|--|------------|--|
| Recapitulation participants (consolidated) | ACCREC | Recapitulation for participants |
| Recapitulation participants (detailed) | DETREC | Detailed recapitulation |
| Recapitulation third-party systems | SVCREC | Recapitulation for third-party systems |
| Cancellation log | CNCREC | Cancellation log for payments |
| Recapitulation system manager | SYSREC | Recapitulation for system managers |

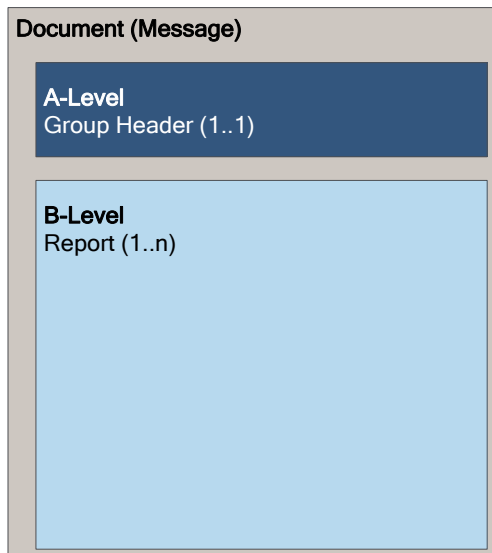
Table 3: List types and their code values in the "camt.052" message

Notes:

- In the rest of this document, the list types are always referenced using their code values.
- The list type SYSREC is created exclusively for the system manager
 - for each individual account (i.e. 1 message per settlement account) and sent to the system manager as a whole,
 - and used by the system manager as a basis for booking all incoming and outgoing transactions of a clearing day on the sight deposit account.

3.3 Simplified message structure for list types ACCREC and SVCREC

The structure of the "camt.052" message essentially follows the structure of the ISO message.



However, for list types ACCREC and SVCREC, the following simplified structure is used:

- **A-level:** Message level, "Group Header" element.
- **B-level:** Account level, "Report" element.
- **C-level:** Is not used.
- **D-level:** Is not used.

Figure 3: Simplified message structure for the "camt.052" message for list types ACCREC and SVCREC

3.4 Names of payment types

Every payment in the RTGS systems is assigned a payment type. Depending on the use case and the message standard, the payment type is assigned explicitly by the participant or implicitly by the RTGS systems.

In ISO 20022 messages, the following codes are used to identify the payment type:

| Payment type | Code value | Code description |
|--|------------|---|
| Direct debit payment (LSV reference) | ESRDEB | Payment resulting from a direct debit (LSV reference) |
| Direct debit payment (IPI reference) | IPIDEB | Payment resulting from a direct debit (IPI reference) |
| SEPA payment | SEPPMT | SEPA payment |
| SEPA fee and/or compensation payment | SEPFCP | SEPA fee and/or compensation payment |
| General customer payment | CSTPMT | Customer payment |
| FI-to-FI payment | F2FPMT | FI-to-FI payment |
| Compensation payment | CMPPMT | Compensation payment |
| Cover payment | COVPMT | Cover payment |
| Sight deposit account transfer by the participant | PPTSD | Sight deposit account transfer by the participant |
| SECOM settlement | SECSTM | SECOM settlement |
| Eurex settlement | EUXSTM | Eurex settlement |
| Repo settlement | REPSTM | Repo settlement |
| Bancomat settlement | BCMSTM | Bancomat settlement |
| EFT/POS settlement | POSSTM | EFT/POS settlement |
| Terravis settlement | STVSTM | Terravis settlement |
| Viseca settlement | VISSTM | Viseca settlement |
| Payment return | CSTRTN | Payment return |
| SEPA return payment | SEPRTN | SEPA-compliant return payment |
| Sight deposit account transfer by the system manager | SMTTSD | Transfer to sight deposit account by the system manager |
| Transfer from sight deposit account | SMTFSD | Transfer from sight deposit account by the system manager |

Table 4: List of payment types and their codes in ISO 20022 messages

In the "camt.052" message, the payment types are delivered in the `.../BkTxCd/Prtry/Cd` element:

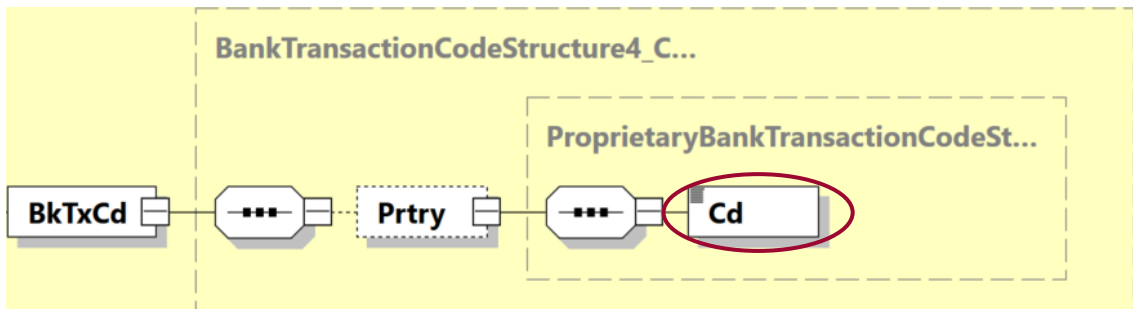


Figure 4: Delivery of the payment type in the `<BkTxCd><Prtry><Cd>` element

Different payment type-specific information is sent depending on the list type.

In list types ACCREC, SYSREC and SVCREC, a consolidated evaluation (number and total) is provided for each payment type in the `<TtlNtriesPerBkTxCd>` block:

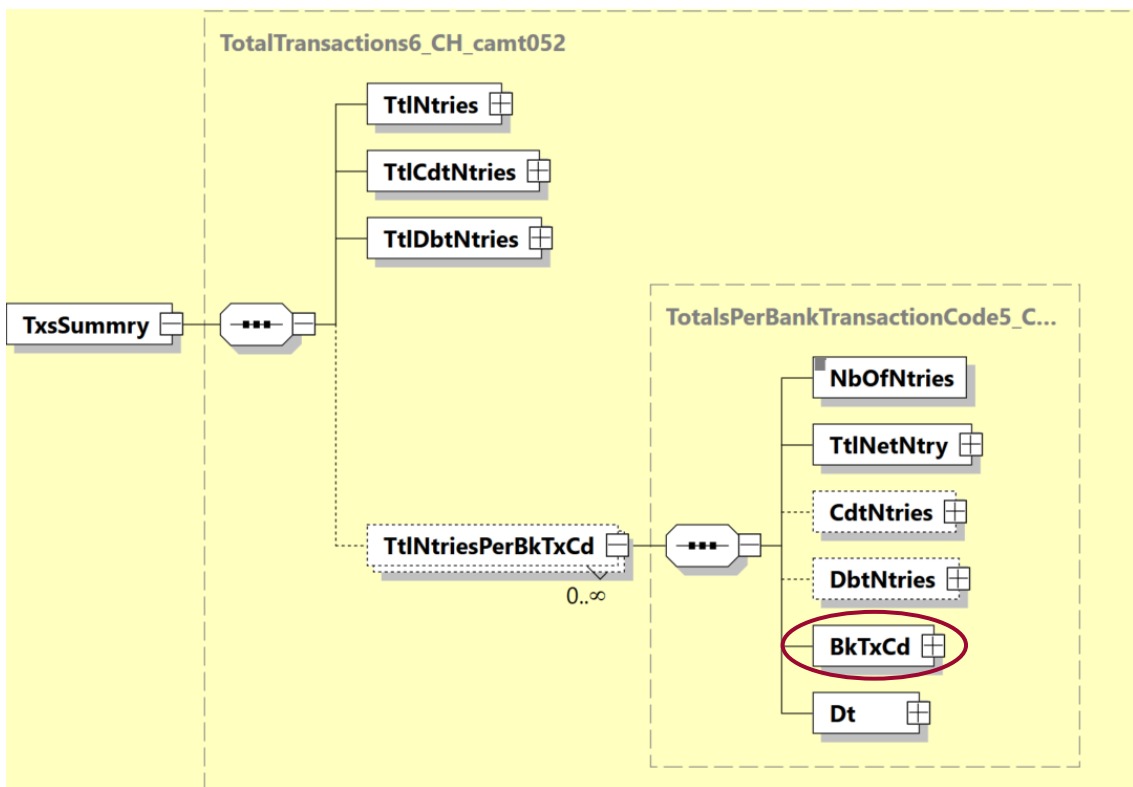


Figure 5: Delivery of the payment type in the `<TtlNtriesPerBkTxCd>` (ACCREC, SYSREC, SVCREC) block

In list types DETREC and CNCREC, the allocated payment type for each reported payment is delivered in the <Ntry> block:

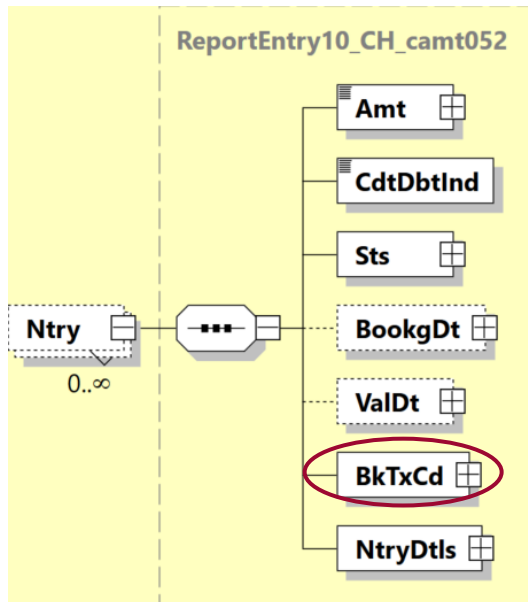


Figure 6: Delivery of the payment type in the <Ntry> (DETREC, CNCREC) block

3.5 Summary of transactions for the clearing day

In the "camt.052" message, a standardized summary of the reported transactions is delivered for all list types in the `<TxsSummary>` element. If lists continue for more than one page, this block is repeated on each page sent and always refers to the complete list.

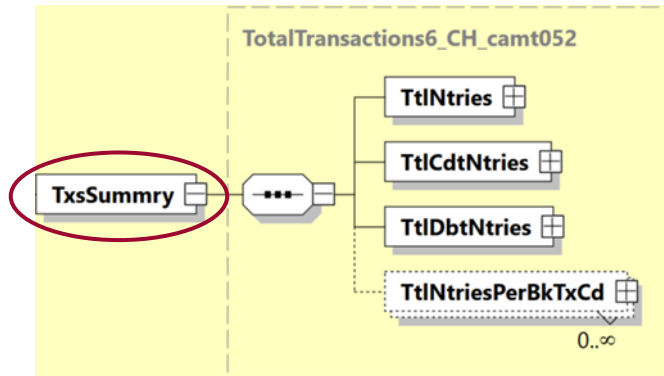


Figure 7: `<TxsSummary>` element: summary of transactions

For each settled payment type, a consolidated report (number, total and balance) is created per payment type in the `<TtlNtriesPerBkTxCd>` block for list types ACCREC, SYSREC and SVCREC if any corresponding transactions were settled through the settlement account during the reporting period.

3.6 Processing codes for cancelled payments

In list type CNCREC, the processing code in the `.../NtryDtls/TxDtls/RtrInf` element provides information about the reason for the cancellation of the payment in question:

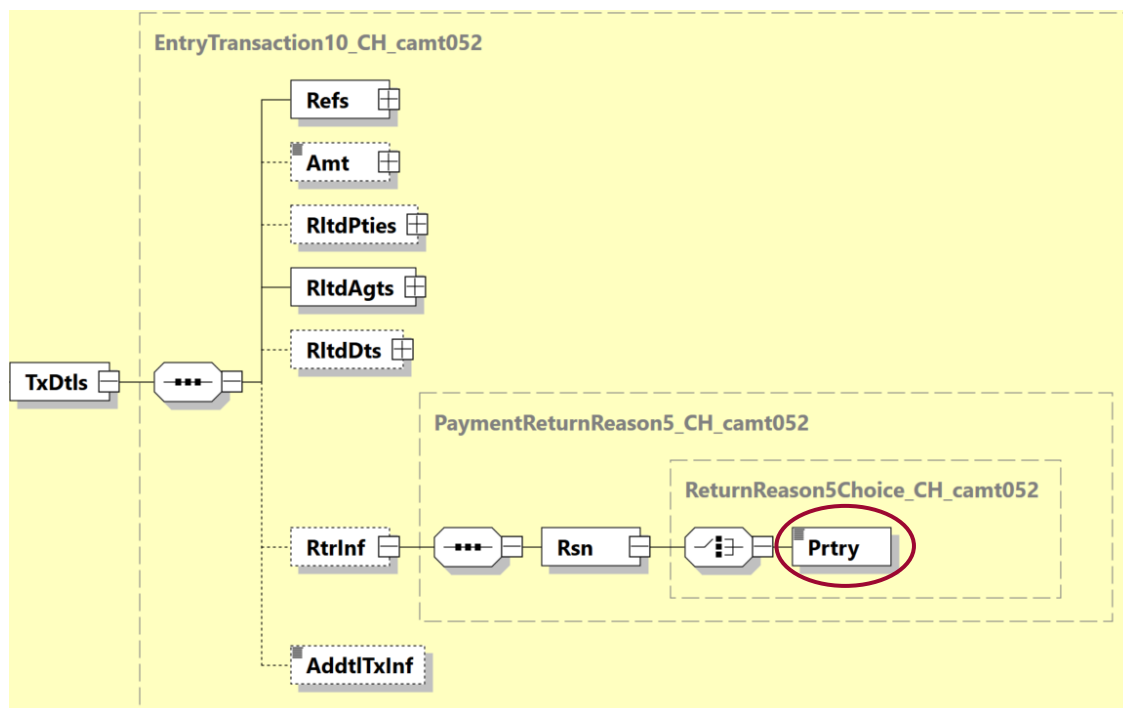


Figure 8: `<RtrInf>` element: display of processing codes

| Code value | Reason for cancellation |
|------------|---|
| PTTDY | Cancelled manually in wait file |
| SYLTE | Cancelled due to cut-off (only in euroSIC) |
| DPACS | Cancelled in wait file due to individual settlement or debit stop |
| DPLOF | Cancelled in wait file due to insufficient balance |

Table 5: Processing codes for cancelled payments

3.7 Additional information about amounts

In the event of a liquidity reservation by the system manager, the balance of incoming and outgoing payments that is shown in the `.../TxSummary/TtlNtries/TtlNetNtryAmt` element is not available to the participant in its entirety on the settlement account for the purpose of processing payments.

For that reason, with list types ACCREC, DETREC and SYSREC, information is provided in a `.../Rpt/Bal` block about the following amounts:

- Liquidity reservation by the system manager (only sent if it applies)
- Available account balance (is always sent)

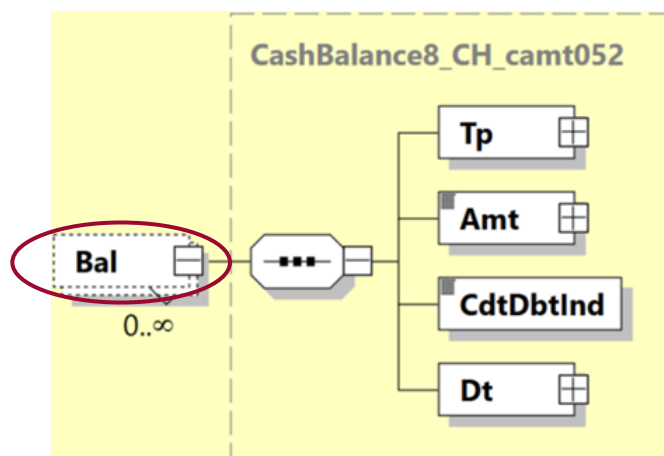


Figure 9: `<Bal>` element: additional information about amounts

The `.../Tp/CdOrPrtry/Prtry` sub-element informs as a code, about which amount is sent in the following `.../Amt` sub-element. The following codes are defined:

| Code value | Type of amount value sent |
|------------|---|
| LQRSM | Liquidity reserved by the system manager |
| AVLBL | Account balance available for the participant |

Table 6: Codes for identifying the amount values sent in the `<Bal>` element

3.8 Use of references

The following references are used in the XML message "camt.052":

- A-level: *GrpHdr/MsgId* – unique reference of the "camt.052" message
- B-level: *Rpt/Id* – consecutive number of the "Report" element within the message.

3.9 Parties of a transaction

In order to facilitate the reconciliation, the parties of a transaction (*.../TxDtls/RltdAgts/InstgAgt* and *.../TxDtls/RltdAgts/InstdAgt* elements) for the DETREC and CNCREC list types are always identified by the (unconcatenated) SIC IID, regardless of the identification (SIC-IID or BIC) used in the submission.

3.10 Further business specifications

Further business specifications can be found in the Base document.

4 Technical specifications for the RTGS systems

4.1 Group Header (GrpHdr, A-level)

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

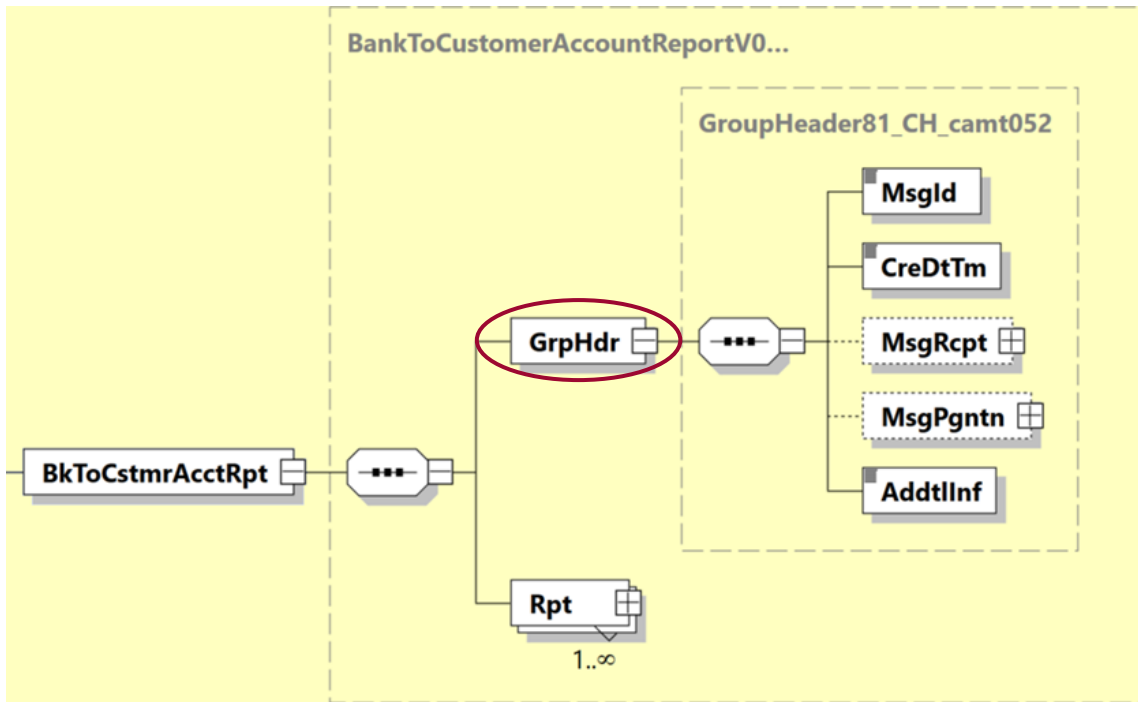


Figure 10: Group Header (GrpHdr, A-level)

The following table specifies all the elements of the "Group Header" block in the "camt.052" message that are relevant to the RTGS systems.

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | |
|--|------------------|------|-----------------------------------|--|--------------------------|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition |
| Document +Bank To Customer Account Report V08 | BkToCstmrAcctRpt | 1..1 | 1..1 | | |
| Group Header | GrpHdr | 1..1 | 1..1 | | |
| Group Header +Message Identification | MsgId | 1..1 | 1..1 | Message Identification | |
| Group Header +Creation Date Time | CreDtTm | 1..1 | 1..1 | Creation Date Time | |
| Group Header +Message Recipient | MsgRcpt | 0..1 | 0..1 | | |
| Group Header +Message Recipient ++Identification | Id | 0..1 | 1..1 | | |
| Group Header +Message Recipient ++Identification +++Organisation Identification | OrgId | 1..1 | 1..1 | | |
| Group Header +Message Recipient ++Identification +++Organisation Identification ++++Other | Othr | 0..n | 0..1 | | |
| Group Header +Message Recipient ++Identification +++Organisation Identification ++++Other +++++Identification | Id | 1..1 | 1..1 | Member Identification SIC IID (=6n). | |

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | |
|---|-----------|------|-----------------------------------|--|---|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition |
| Group Header +Message Recipient ++Identification +++Organisation Identification ++++Other +++++Scheme Name | SchmeNm | 0..1 | 0..1 | | |
| Group Header +Message Recipient ++Identification +++Organisation Identification ++++Other +++++Scheme Name +++++Proprietary | Prtry | 1..1 | 1..1 | Clearing System Identification (proprietary) Code CHSIC is sent. | |
| Group Header +Message Pagination | MsgPgntn | 0..1 | 0..1 | | |
| Group Header +Message Pagination ++Page Number | PgNb | 1..1 | 1..1 | Page Number | SVCREC: Consecutive numbering of all SVCREC recapitulation messages of the third-party system per clearing day starting with 1. |
| Group Header +Message Pagination ++Last Page Indicator | LastPgInd | 1..1 | 1..1 | Last Page Indicator | SVCREC: The last message of the last settlement account of the clearing day will be marked with "true". |
| Group Header +Additional Information | AddtlInf | 0..1 | 1..1 | Type of Reconciliation List Code to identify the list type. The following codes are defined: ACCREC: Recapitulation participants (consolidated) DETREC: Recapitulation participants (detailed) CNCREC: Cancellation log SVCREC: Recapitulation third-party systems SYSREC: Recapitulation system manager | |

Table 7: Group Header (GrpHdr, A-level)

4.2 Report (Rpt, B-level)

The "Report" block (B-level of the message) contains the consolidated information about a settlement account:

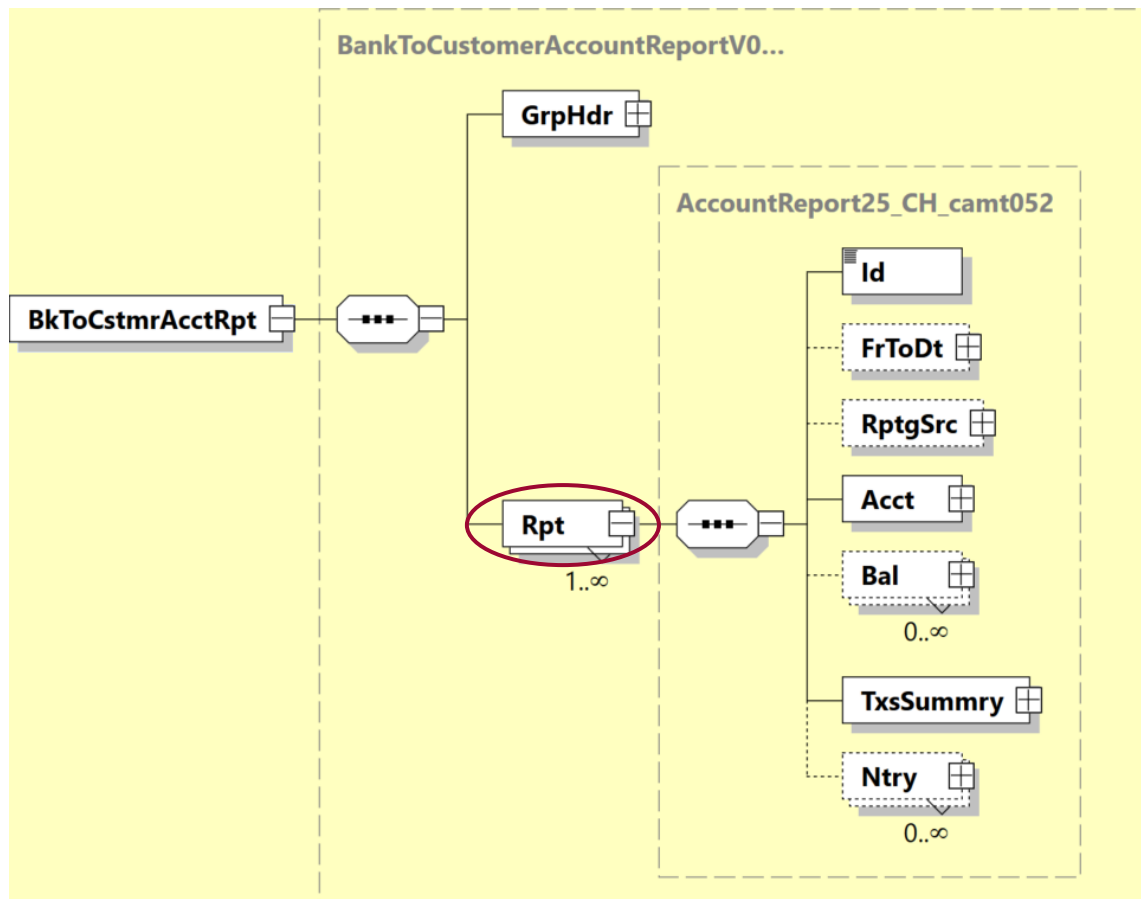


Figure 11: Report (Rpt, B-level)

The following table specifies all the elements of the "Report" block of the "camt.052" message that are relevant to the RTGS systems.

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | | |
|--|---------|------|-----------------------------------|--|--------------------------|--|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition | |
| Report | Rpt | 1..n | 1..n | Report Only one <Rpt>-Block per list type will be provided. | | |
| Report +Identification | Id | 1..1 | 1..1 | Block Identification Consecutive number of the report element within a message. | | |
| Report +From To Date | FrToDt | 0..1 | 0..1 | Reporting period | | |
| Report +From To Date ++From Date Time | FrDtTm | 1..1 | 1..1 | Start of Reporting Period Timestamp of the system managers 'Begin of Day' instruction. | | |
| Report +From To Date ++To Date Time | ToDtTm | 1..1 | 1..1 | End of Reporting Period Timestamp of the system managers 'End of Day Processing' instruction. | | |
| Report +Reporting Source | RptgSrc | 0..1 | 0..1 | Reporting Source Specifies the RTGS for which the reporting was generated. | | |
| Report +Reporting Source ++Proprietary | Prtry | 1..1 | 1..1 | RTGS Identification Code Unambiguous 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 | | |
| Report +Account | Acct | 1..1 | 1..1 | Settlement Account Information | | |
| Report +Account ++Identification | Id | 1..1 | 1..1 | Settlement Account The Settlement Account will always be provided in the <Othr><Id> element. <IBAN> is not supported. | | |
| Report +Account ++Identification +++Other | Othr | 1..1 | 1..1 | | | |

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | |
|--|-----------|------|-----------------------------------|---|--|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition |
| Report +Account ++Identification +++Other ++++Identification | Id | 1..1 | 1..1 | Settlement Account Identification of the SIC settlement account. | |
| Report +Account ++Currency | Ccy | 0..1 | 0..1 | Currency Code For SIC always CHF and for euroSIC always EUR. | |
| Report +Account ++Owner | Ownr | 0..1 | 0..1 | | |
| Report +Account ++Owner +++Name | Nm | 0..1 | 0..1 | Name of Participant | |
| Report +Account ++Owner +++Postal Address | PstlAdr | 0..1 | 0..1 | Postal Address At least <Ctry> and <TwnNm> will be provided. | |
| Report +Balance | Bal | 0..n | 0..n | Balance Information The following recapitulation relevant amounts will be provided: - Amount reserved by the system managers (will only be provided in case of an existing reservation) - Available Balance at the end of the clearing day (Balance 1, will always be provided) | SVCREC: Not provided CNCREC: Not provided |
| Report +Balance ++Type | Tp | 1..1 | 1..1 | Type | |
| Report +Balance ++Type +++Code Or Proprietary | CdOrPrtry | 1..1 | 1..1 | Code or Proprietary Type Indicator | |

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | |
|--|------------|------|-----------------------------------|---|--------------------------|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition |
| Report +Balance ++Type +++Code Or Proprietary ++++Proprietary | Prtry | 1..1 | 1..1 | Type Indicator (proprietary) Following Codes are defined: - LQRSM: Liquidity reservation by the system manager - AVLBL: Available Balance (Balance 1) | |
| Report +Balance ++Amount | Amt | 1..1 | 1..1 | Amount Reserved amount or balance amount | |
| | @ Ccy | | | Currency CHF or EUR (depending on the currency of the RTGS) | |
| Report +Balance ++Credit Debit Indicator | CdtDbtInd | 1..1 | 1..1 | Credit Debit Indicator | |
| Report +Balance ++Date | Dt | 1..1 | 1..1 | Date The sub-element <Dt> will be provided and will always match the date provided in <Rpt>/<CreDtTm> | |
| Report +Balance ++Date +++Date | Dt | 1..1 | 1..1 | Report Date | |
| Report +Transactions Summary | TxsSummry | 0..1 | 1..1 | Transactions Summary In case of message pagination, the transaction summary will be provided on every page with identical data. | |
| Report +Transactions Summary ++Total Entries | TtlNtries | 0..1 | 1..1 | | |
| Report +Transactions Summary ++Total Entries +++Number Of Entries | NbOfNtries | 0..1 | 1..1 | Number of Entries Number of transactions processed by SIC for the participant. | |

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | |
|--|--------------|------|-----------------------------------|---|---|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition |
| Report +Transactions Summary ++Total Entries +++Total Net Entry | TtlNetNtry | 0..1 | 0..1 | | |
| Report +Transactions Summary ++Total Entries +++Total Net Entry ++++Amount | Amt | 1..1 | 1..1 | Total Net Entry Amount Balance of incoming and outgoing payments. | ACCREC: Total balance of settled incoming and outgoing payments (SIC balance). CNCREC: Balance of cancelled payments (calculated value). DETREC: Total balance of settled incoming and outgoing payments (SIC balance). SVCREC: Balance of settled incoming and outgoing payments for the transaction type of the service. SYSREC: Total balance of settled incoming and outgoing payments (SIC balance). |
| Report +Transactions Summary ++Total Entries +++Total Net Entry ++++Credit Debit Indicator | CdtDbtInd | 1..1 | 1..1 | Credit Debit Indicator | |
| Report +Transactions Summary ++Total Credit Entries | TtlCdtNtries | 0..1 | 1..1 | Total Number and Sum of Credit Entries | |
| Report +Transactions Summary ++Total Credit Entries +++Number Of Entries | NbOfNtries | 0..1 | 1..1 | Total Number of Credit Entries | CNCREC: Number of cancelled incoming payments. ACCREC: Number of settled incoming payments. DETREC: Number of settled incoming payments. SVCREC: Number of settled incoming payments. SYSREC: Number of settled incoming payments. |
| Report +Transactions Summary ++Total Credit Entries +++Sum | Sum | 0..1 | 1..1 | Total Amount of Credit Entries | ACCREC: Total of settled incoming payments. DETREC: Total of settled incoming payments. SVCREC: Total of settled incoming payments. CNCREC: Total of cancelled incoming payments. SYSREC: Total of settled incoming payments. |

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | |
|--|--------------------|------|-----------------------------------|---|--|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition |
| Report +Transactions Summary ++Total Debit Entries | TtlDbtNtries | 0..1 | 1..1 | Total Number and Sum of Debit Entries | |
| Report +Transactions Summary ++Total Debit Entries +++Number Of Entries | NbOfNtries | 0..1 | 1..1 | Total Number of Debit Entries | ACCREC: Number of settled outgoing payments. DETREC: Number of settled outgoing payments. SVCREC: Number of settled outgoing payments. CNCREC: Number of cancelled outgoing payments. SYSREC: Number of settled outgoing payments. |
| Report +Transactions Summary ++Total Debit Entries +++Sum | Sum | 0..1 | 1..1 | Total Amount of Debit Entries | ACCREC: Total of settled outgoing payments. DETREC: Total of settled outgoing payments. SVCREC: Total of settled outgoing payments. CNCREC: Total of cancelled outgoing payments. SYSREC: Total of settled outgoing payments. |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code | TtlNtriesPerBkTxCd | 0..n | 0..n | Total Entries per Bank Payment Type For each payment type for which a payment was settled on the settlement account during the reporting period one occurrence of <TtlNtriesPerBkTxCd> block will be created. | CNCREC: Not used. DETREC: Not used |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code +++Number Of Entries | NbOfNtries | 0..1 | 1..1 | Total Number of Incoming and Outgoing Payments for the Payment Type | |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code +++Total Net Entry | TtlNetNtry | 0..1 | 1..1 | Total debit or credit amount that is the result of the netted amounts for all debit and credit entries per Payment Type | |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code +++Total Net Entry ++++Amount | Amt | 1..1 | 1..1 | Total Net amount of Incoming and Outgoing Payments for the Payment Type | |

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | |
|--|------------|------|-----------------------------------|--|--------------------------|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code +++Total Net Entry ++++Credit Debit Indicator | CdtDbtInd | 1..1 | 1..1 | Credit Debit Indicator | |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code +++Credit Entries | CdtNtries | 0..1 | 0..1 | Total Number and Sum of Credit Entries for the Payment Type Only provided if credit transactions for the payment type have been settled on the settlement account during the reporting period. | |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code +++Credit Entries ++++Number Of Entries | NbOfNtries | 0..1 | 0..1 | Total Number of Credit Entries for the Payment Type | |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code +++Credit Entries ++++Sum | Sum | 0..1 | 0..1 | Total Amount of Credit Entries for the Payment Type | |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code +++Debit Entries | DbtNtries | 0..1 | 0..1 | Total Number and Sum of Debit Entries for the Payment Type Only provided if debit transactions for the payment type have been settled on the settlement account during the reporting period. | |

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | |
|--|------------|------|-----------------------------------|---|--------------------------|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code +++Debit Entries ++++Number Of Entries | NbOfNtries | 0..1 | 0..1 | Total Number of Debit Entries for the Payment Type | |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code +++Debit Entries ++++Sum | Sum | 0..1 | 0..1 | Total Amount of Debit Entries for the Payment Type | |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code +++Bank Transaction Code | BkTxCd | 1..1 | 1..1 | | |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code +++Bank Transaction Code ++++Proprietary | Prtry | 0..1 | 0..1 | | |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code +++Bank Transaction Code ++++Proprietary +++++Code | Cd | 1..1 | 1..1 | Payment Type | |

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | | |
|--|---------|------|-----------------------------------|-------------------|--------------------------|--|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition | |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code +++Date | Dt | 0..1 | 1..1 | | | |
| Report +Transactions Summary ++Total Entries Per Bank Transaction Code +++Date ++++Date | Dt | 1..1 | 1..1 | Value date | | |

Table 8: Report (Rpt, B-level)

4.3 Entry (Ntry, C-level)

The "Entry" block (C-level of the message) contains information about individual transactions of the clearing day and will only be provided for list types CNCREC and DETREC.

However, the block is only sent if transactions were settled on the settlement account during the reporting period.

When sent via the Messaging Gateway or SWIFT InterAct, the block is sent a maximum of 10 times.

When sent via the file transfer gateway, the block is sent without any restrictions, i.e. always a single file will be created for each message.

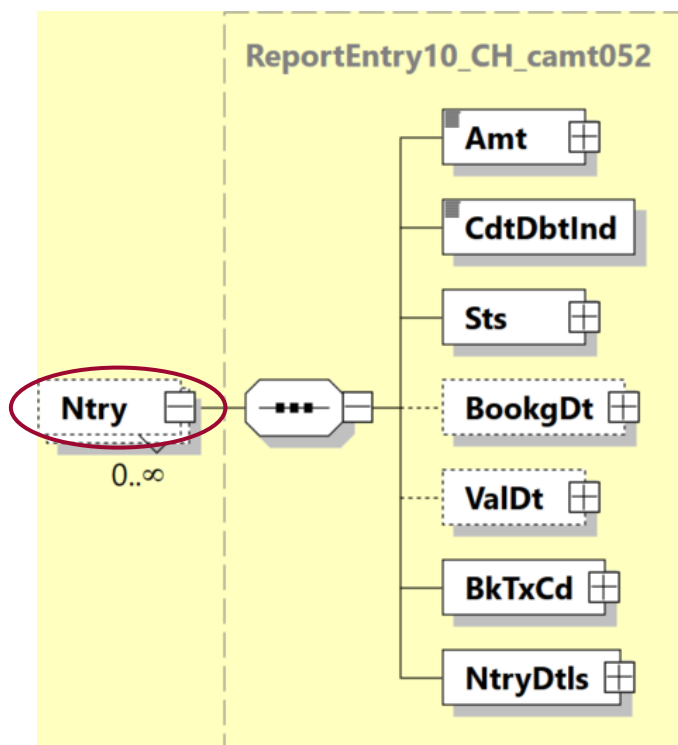


Figure 12: Entry (Ntry, C-level)

The following table specifies all the elements of the "Entry" block of the "camt.052" message that are relevant to the RTGS systems.

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | |
|--|---------|------|-----------------------------------|--|--|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition |
| Report +Entry | Ntry | 0..n | 0..n | Transactions | ACCREC: Not used. SVCREC: Not used. SYSREC: Not used. DETREC: Block will only be provided when transactions were settled on the settlement account during the reporting period. |
| Report +Entry ++Status | Sts | 1..1 | 1..1 | Booking Status | |
| Report +Entry ++Status +++Code | Cd | 1..1 | 1..1 | Booking Status (Code) Depending on the list type, either the status BOOK or INFO will be provided. | CNCREC: Only the code INFO will be provided, because the transaction was cancelled. DETREC: Only the code BOOK will be provided. |
| Report +Entry ++Booking Date | BookgDt | 0..1 | 0..1 | Booking Date Information | CNCREC: Not used. |
| Report +Entry ++Booking Date +++Date Time | DtTm | 1..1 | 1..1 | Booking Date | |
| Report +Entry ++Value Date | ValDt | 0..1 | 0..1 | Value Date Information | CNCREC: Not used. |
| Report +Entry ++Value Date +++Date | Dt | 1..1 | 1..1 | Value Date | |
| Report +Entry ++Bank Transaction Code | BkTxCd | 1..1 | 1..1 | | |

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | | |
|---|---------|------|-----------------------------------|---------------------|--|--|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition | |
| Report +Entry ++Bank Transaction Code +++Proprietary | Prtry | 0..1 | 0..1 | | | |
| Report +Entry ++Bank Transaction Code +++Proprietary ++++Code | Cd | 1..1 | 1..1 | Payment Type | CNCREC: Payment type of the cancelled payment. DETREC: Payment type of the settled payment. | |

Table 9: Entry (Ntry, C-level)

4.4 Entry Details (NtryDtls, D-level)

The "Entry Details" block (D-level of the message) group together additional information about specific transactions of the clearing day. Only the <TxDtls> element is used.

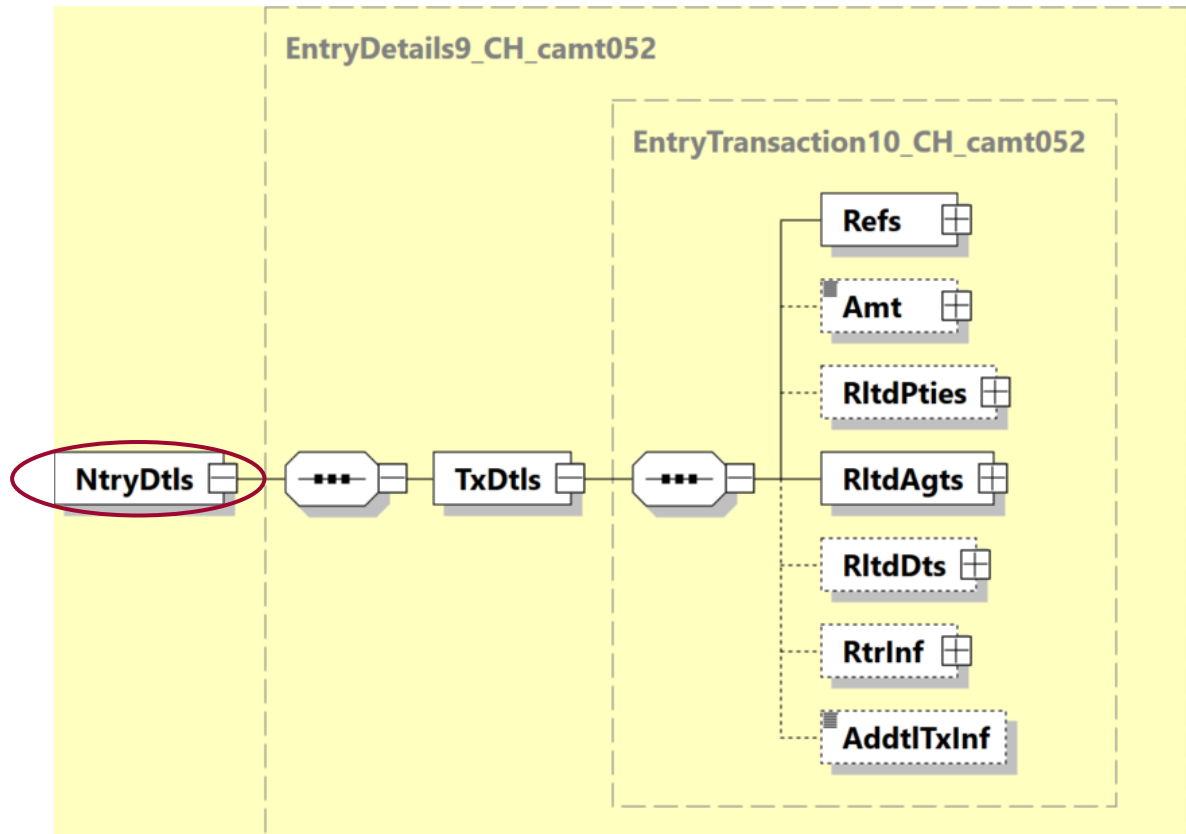


Figure 13: Entry Details (NtryDtls, D-level)

The following table specifies all the elements of the "Entry Details" block of the "camt.052" message that are relevant to the RTGS systems.

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | | |
|--|----------|------|-----------------------------------|--|--|--|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition | |
| Report +Entry ++Entry Details | NtryDtls | 0..n | 1..1 | | | |
| Report +Entry ++Entry Details +++Transaction Details | TxDtls | 0..n | 1..1 | | | |
| Report +Entry ++Entry Details +++Transaction Details ++++References | Refs | 0..1 | 1..1 | | | |
| Report +Entry ++Entry Details +++Transaction Details ++++References +++++Message Identification | MsgId | 0..1 | 1..1 | Original Message Identification | DETREC: Message identification of the settled payment. CNCREC: Message identification of the cancelled payment. | |
| Report +Entry ++Entry Details +++Transaction Details ++++References +++++UETR | UETR | 0..1 | 0..1 | Unique End-to-end Transaction Reference This identification contains a Universally Unique Identifier (UUID) according to RFC 4122 version 4. | CNCREC: Unique End-to-end Transaction Reference of the cancelled payment. DETREC: Unique End-to-end Transaction Reference of the settled payment. | |
| Report +Entry ++Entry Details +++Transaction Details ++++References +++++Transaction Identification | TxId | 0..1 | 1..1 | Original Transaction Identification | CNCREC: Transaction identification of the cancelled payment. DETREC: Transaction identification of the settled payment. | |

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | | |
|---|------------|------|-----------------------------------|---|--|--|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition | |
| Report +Entry ++Entry Details +++Transaction Details ++++Amount | Amt | 0..1 | 0..1 | Amount Not provided. | | |
| Report +Entry ++Entry Details +++Transaction Details ++++Related Parties | RltdPties | 0..1 | 0..1 | Related Parties Not provided. | | |
| Report +Entry ++Entry Details +++Transaction Details ++++Related Agents | RltdAgts | 0..1 | 1..1 | Related Agents For both incoming and outgoing payments, the instructing participant is provided in the sub-element <InstgAgt> and the instructed participant is provided in the sub-element <InstdAgt>. | | |
| Report +Entry ++Entry Details +++Transaction Details ++++Related Agents +++++Instructing Agent | InstgAgt | 0..1 | 1..1 | Instructing Participant | DETREC: Always used. CNCREC: Always used. | |
| Report +Entry ++Entry Details +++Transaction Details ++++Related Agents +++++Instructing Agent ++++++Financial Institution Identification | FinInstnId | 1..1 | 1..1 | | | |

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | |
|--|-------------|------|-----------------------------------|--|--------------------------|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition |
| Report +Entry ++Entry Details +++Transaction Details ++++Related Agents +++++Instructing Agent +++++Financial Institution Identification ++++++Clearing System Member Identification | ClrSysMmbId | 0..1 | 0..1 | Identification of Instructing Participant (proprietary) | |
| Report +Entry ++Entry Details +++Transaction Details ++++Related Agents +++++Instructing Agent +++++Financial Institution Identification ++++++Clearing System Member Identification ++++++Clearing System Identification | ClrSysId | 0..1 | 0..1 | Clearing System Identification | |

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | |
|---|----------|------|-----------------------------------|--|--|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition |
| Report +Entry ++Entry Details +++Transaction Details ++++Related Agents +++++Instructing Agent +++++Financial Institution Identification +++++Clearing System Member Identification +++++Clearing System Identification +++++Code | Cd | 1..1 | 1..1 | Clearing System Identification (code) Code CHSIC will be provided. | |
| Report +Entry ++Entry Details +++Transaction Details ++++Related Agents +++++Instructing Agent +++++Financial Institution Identification +++++Clearing System Member Identification +++++Member Identification | MmbId | 1..1 | 1..1 | Identification of Instructing Participant (proprietary) SIC-IID (=6n). | |
| Report +Entry ++Entry Details +++Transaction Details ++++Related Agents +++++Instructed Agent | InstdAgt | 0..1 | 1..1 | Instructed Participant | DETREC: Always used. CNCREC: Always used. |

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | |
|---|-------------|------|-----------------------------------|---|--------------------------|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition |
| Report +Entry ++Entry Details +++Transaction Details ++++Related Agents +++++Instructed Agent +++++Financial Institution Identification | FinInstnId | 1..1 | 1..1 | | |
| Report +Entry ++Entry Details +++Transaction Details ++++Related Agents +++++Instructed Agent +++++Financial Institution Identification +++++Clearing System Member Identification | ClrSysMmbId | 0..1 | 0..1 | Identification of Instructed Participant (proprietary) | |
| Report +Entry ++Entry Details +++Transaction Details ++++Related Agents +++++Instructed Agent +++++Financial Institution Identification +++++Clearing System Member Identification +++++Clearing System Identification | ClrSysId | 0..1 | 0..1 | Clearing System Identification | |

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | |
|--|---------|------|-----------------------------------|---|---|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition |
| Report +Entry ++Entry Details +++Transaction Details ++++Related Agents +++++Instructed Agent +++++Financial Institution Identification +++++Clearing System Member Identification +++++Clearing System Identification +++++Code | Cd | 1..1 | 1..1 | Clearing System Identification (code) Code CHSIC will be provided. | |
| Report +Entry ++Entry Details +++Transaction Details ++++Related Agents +++++Instructed Agent +++++Financial Institution Identification +++++Clearing System Member Identification +++++Member Identification | MmbId | 1..1 | 1..1 | Identification of Instructed Participant (proprietary) SIC IID (=6n). | |
| Report +Entry ++Entry Details +++Transaction Details ++++Related Dates | RltdDts | 0..1 | 0..1 | Related Date Not provided. | |
| Report +Entry ++Entry Details +++Transaction Details ++++Return Information | RtrInf | 0..1 | 0..1 | Cancellation Information | DETREC: Not used. CNCREC: Always provided. |

| ISO 20022 Standard | | | Swiss ISO 20022 Payments Standard | | |
|--|------------|------|-----------------------------------|--|--|
| Message Item | XML Tag | Mult | Mult | Definition | List-specific Definition |
| Report +Entry ++Entry Details +++Transaction Details ++++Return Information ++++Reason | Rsn | 0..1 | 1..1 | Status Code | |
| Report +Entry ++Entry Details +++Transaction Details ++++Return Information ++++Reason ++++Proprietary | Prtry | 1..1 | 1..1 | Status Code (proprietary) | CNCREC: Processing code to provide information about the reason for the cancellation. The following values are defined: PTTDY = Cancelled manually in wait file SYLTE = Cancelled due to cut-off (only in euroSIC) DPACS = Cancelled in wait file due to individual settlement or debit stop DPLOF = Cancelled in wait file due to insufficient balance |
| Report +Entry ++Entry Details +++Transaction Details ++++Additional Transaction Information | AddtlTxInf | 0..1 | 0..1 | Additional Transaction Information Not provided. | |

Table 10: Entry Details (NtryDtls, D-level)