



Implementation Guidelines for ISO 20022 Interbank Messages

euroSIC

SEPA Value Date Adjustment Request (camt.087)

Version 1.0, with effect from 15 November 2019

General notes

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About this document

Target audience

The "Implementation Guidelines for ISO 20022 Interbank Messages" are addressed to all participants of the Swiss RTGS systems SIC and euroSIC, using the ISO 20022 message standard.

Purpose

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.087" – 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.

Amendment control

All the amendments carried out on this document are listed in an amendment record table showing the version, the date of the amendment, a brief amendment description and a statement of the sections concerned.

Associated documents

Supplementary information to the Implementation Guidelines can be found in the reference documents listed in the Base Document.

Amendment control

All the amendments carried out on this document are listed below, with the version, the date of the amendment, a brief amendment description and a statement of the sections concerned.

Version	Date	Amendment description	Section(s)
1.0	20.03.2019	First edition	All

Table of contents

1	Overview of documentation structure	6
2	ISO definitions.....	7
3	Business specifications for the RTGS systems.....	8
3.1	Use case	8
3.2	Use of references.....	9
3.2.1	Message reference	9
3.2.2	Other references.....	9
3.3	Further business specifications	11
4	Technical specifications for the RTGS systems	12
4.1	Assignment (Assgnmt, Block 1)	12
4.2	Case (Case, Block 2)	15
4.3	Underlying (Undrlyg, Block 3)	17
4.4	Modification (Mod, Block 4).....	23
4.5	Instruction for Assignee (InstrForAssgne, Block 5).....	25
4.6	Supplementary Data (SplmtryData, Block 6)	27
5	Example	28
Appendix A: XML schema and example.....		30
Appendix B: Table of figures.....		31
Appendix C: Table of tables		31

1 Overview of documentation structure

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.

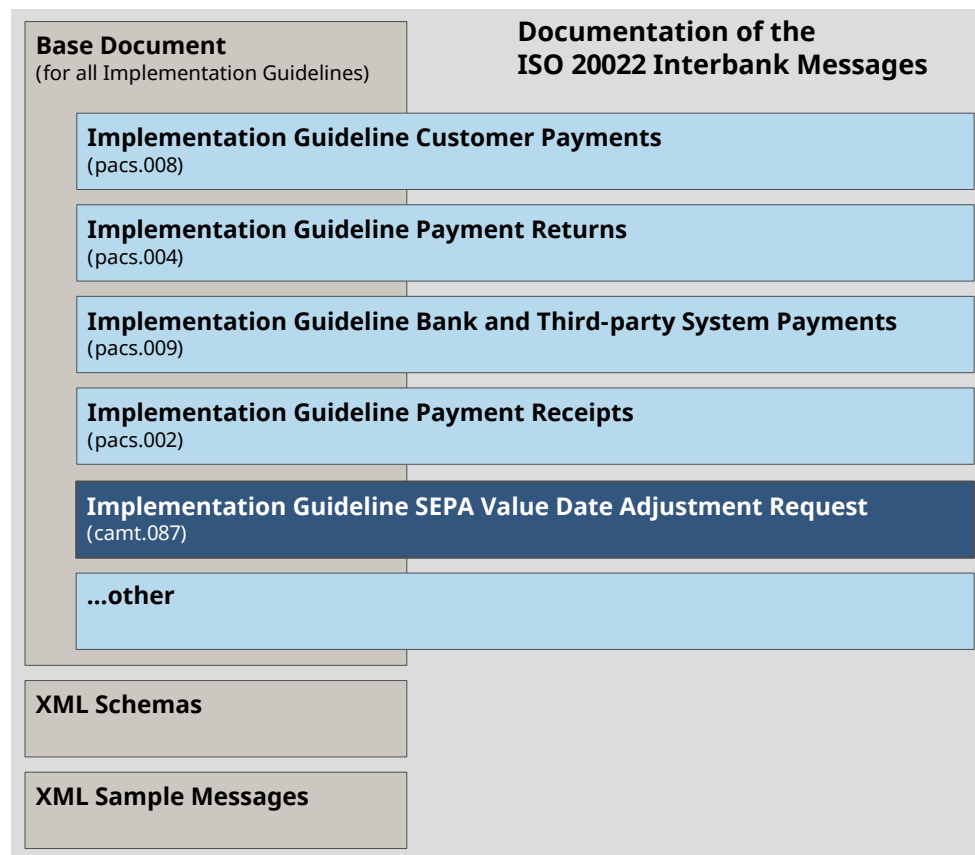
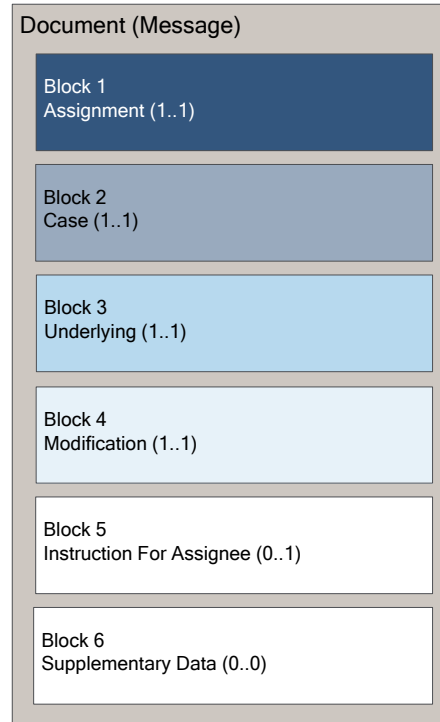


Figure 1: Documentation structure

2 ISO definitions

The "Request To Modify Payment" message (camt.087) is sent from the debtor agent (the instructing participant) to the RTGS systems and from the RTGS systems to the creditor agent (the instructed participant) in order to request the correction of the value date . It is used on the basis of the ISO 20022 XML schema "camt.087.001.05".



The "camt.087" message is essentially structured as follows:

- **Block 1:** "Assignment" element. This block must occur exactly once.
- **Block 2:** "Case" element. This block must occur exactly once.
- **Block 3:** «Underlying» element. This block must occur exactly once.
- **Block 4:** «Modification» element. This block must occur exactly once.
- **Block 5:** «Instruction for Assignee» element. This block can occur once.
- **Block 6:** «Supplementary Data» element. In the RTGS systems this block is not used.

Figure 2: Basic message structure of the "camt.087" message

3 Business specifications for the RTGS systems

3.1 Use case

The "SEPA Value Date Adjustment Request" message (camt.087) is used in the following situation in the RTGS systems:

Use case	Input/Output	ISO 20022
SEPA Value Date Adjustment Request	I/O	camt.087

Table 1: Situations where the "camt.087" message is used

With the "SEPA Value Date Adjustment Request" use case, the debtor agent asks the creditor agent the value date of an earlier SEPA payment (pacs.008) that has been credited too late.

"SEPA Value Date Adjustment Request" message submitted from the participant to euroSIC

The "SEPA Value Date Adjustment Request" message (camt.087) from the participant (debtor agent) is formally validated and then forwarded immediately via system manager SECB Swiss Euro Clearing Bank to the creditor agent.

The creditor agent is obliged to react to the "SEPA Value Date Adjustment Request" message with a "SEPA investigation resolution" (camt.029.001.08).

It is not checked by the RTGS systems whether the referenced customer payment was actually processed in the RTGS systems.

"SEPA Value Date Adjustment Request" message received by SECB from the SEPA area to euroSIC

The "SEPA Value Date Adjustment Request" message (camt.087) from the debtor agent is formally validated and then forwarded immediately to the participant (creditor agent).

Note: If a creditor is not credited on its account at the expected date, then it will usually contact the debtor. The debtor can then instruct the debtor agent to request an adjustment of the value date from the creditor agent with the "SEPA Value Date Adjustment Request" use case. If the delay was not caused by the creditor agent it is entitled to request interest compensation from the debtor agent.

3.2 Use of references

In the "SEPA Value Date Adjustment Request" the mandatory references described below are used.

3.2.1 Message reference

Message Identification «Assignment» (Block 1)

The message identification is a "technical" reference which is generated by the producer of the message. In a message from the instructing participant to the RTGS systems, this is generated by the instructing participant (Assigner). The *<Id>* in combination with *<Assgnr>* is used in the RTGS systems for duplicate checking at message level ("technical" duplicate checking).

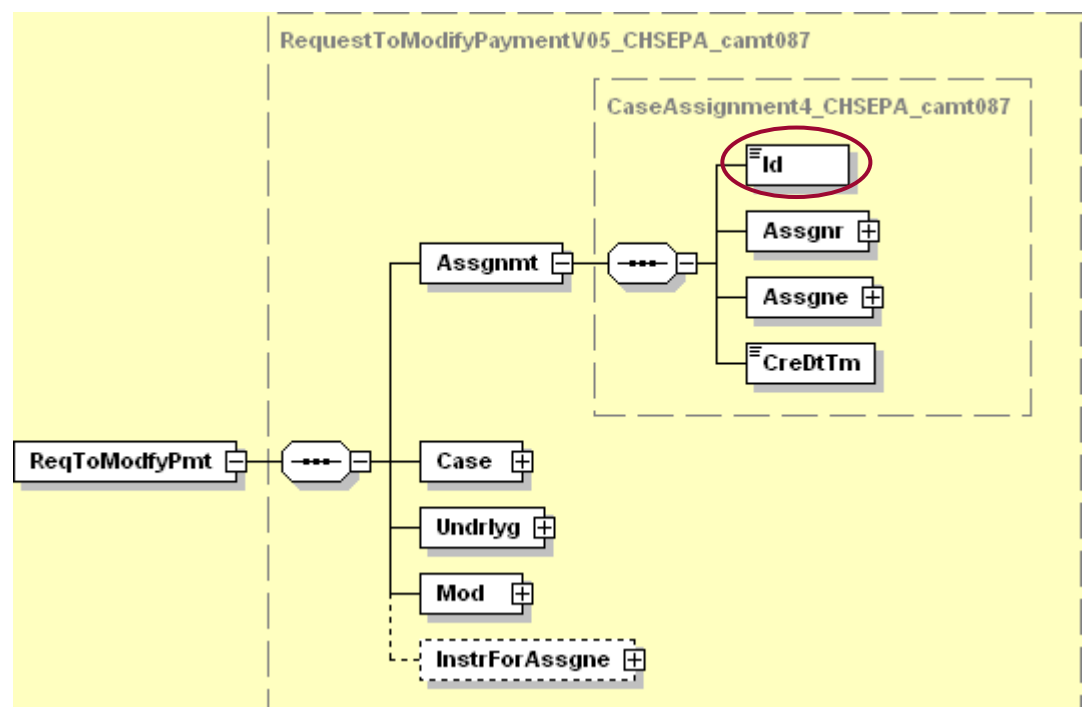


Figure 3: Message Identification (Identification)

3.2.2 Other references

Identification of the "SEPA Value Date Adjustment Request" by means of the "Case Identification" element.

The identification of the "SEPA Value Date Adjustment Request" is the unambiguous reference of the query. This reference is assigned by the instructing participant when the transaction is being set up and is forwarded unchanged by the RTGS systems to the instructed participant. The transaction identification is used for "technical" duplicate checking at transaction level and in the receipt to the instructing participant.

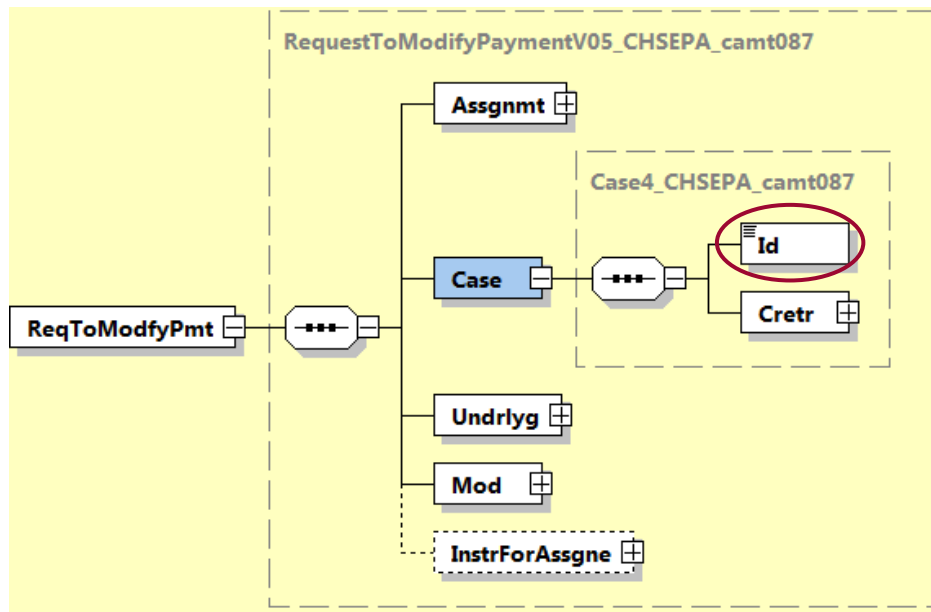


Figure 4: Identification of the "SEPA Value Date Adjustment Request"

Original Transaction Identification

The transaction reference of the original payment must be provided and sent in the `<OrgnlTxId>` element.

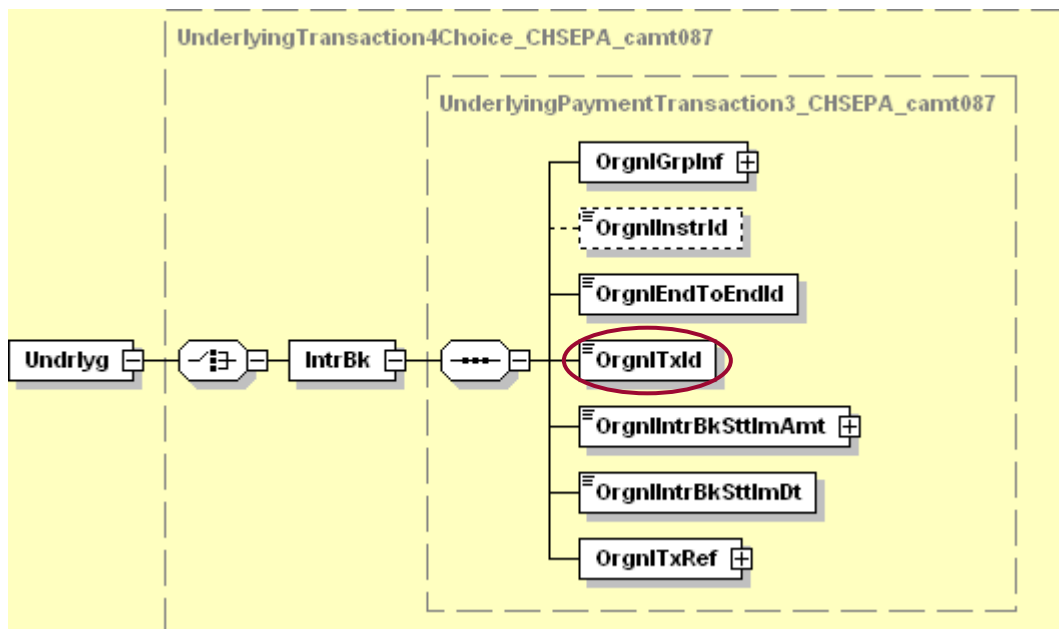


Figure 5: Identification of the transaction reference of the original payment

Information content in the original message

Information on the original payment must be supplied in the "SEPA Value Date Adjustment Request" within the elements "IntrBk" and "OrgnlTxRef":

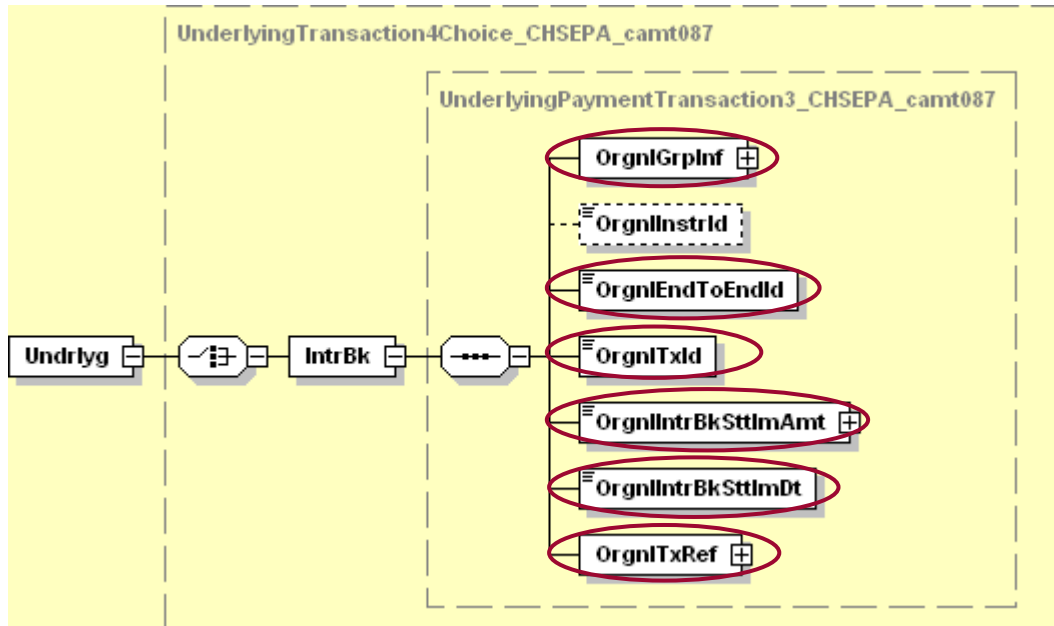


Figure 6: Elements for information from the original message

In the "Original Transaction Reference" element at the original payment level, an exact copy of the same elements from the original payment should be sent.

3.3 Further business specifications

Further business specifications can be found in the Base Document.

4 Technical specifications for the RTGS systems

4.1 Assignment (Assgnmt, Block 1)

"Assignment" (Block 1 of the message) occurs exactly once in the message and contains the following elements:

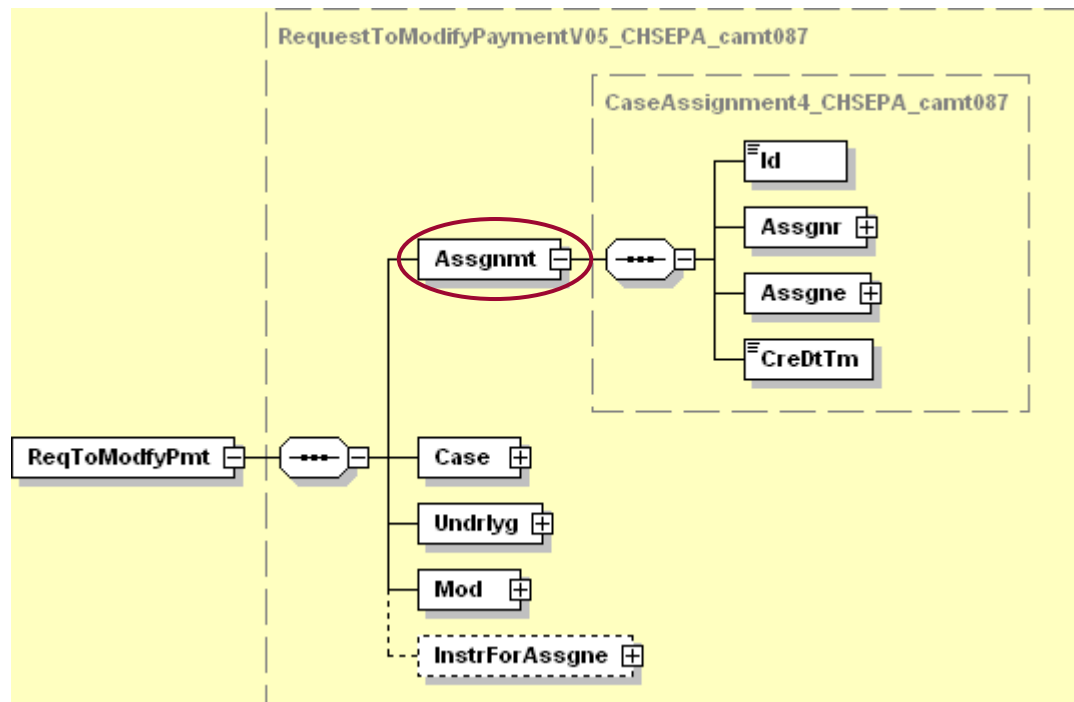


Figure 7: Assignment (Assgnmt)

The following table specifies all the elements of "Assignment" in the "camt.087" message that are relevant to the RTGS systems.

ISO 20022 Standard			Swiss ISO 20022 Payments Standard		
Message Item	XML Tag	Mul	Mul	Definition	SEPA
Request To Modify Payment V05	ReqToModifyPmt	1..1	1..1	SEPA Inquiry for Claim for Value Date Correction	Yellow Field
Assignment	Assgnmt	1..1	1..1	Assignment	Yellow Field
Assignment +Identification	Id	1..1	1..1	Message Identification Only the SWIFT character set excluding spaces is permitted for this element. It is used together with <Assgnr> for duplicate checking at message level and may only occur once within the permitted value dates. Permitted value dates are value date today and 2 days in the past. Note: To be processed successfully, no duplicates must be detected at either message level or transaction level.	Yellow Field
Assignment +Assigner	Assgnr	1..1	1..1	Instructing Participant Own identification of the instructing participant. Is used together with <Id> for duplicate checking. For addressing the participant, <BIC> must be used.	Instructing Party. Limited to BICFI to identify a bank, AnyBIC to identify a CSM or 'Name' to indicate the CSM when it has no BIC. 'Name' is limited to 70 characters in length. Yellow Field
Assignment +Assigner ++Agent	Agt	1..1	1..1	Agent	
Assignment +Assigner ++Agent +++Financial Institution Identification	FinInstnId	1..1	1..1	Financial Institution Identification	
Assignment +Assigner ++Agent +++Financial Institution Identification ++++BICFI	BICFI	0..1	1..1	Identification of Instructing Participant (BIC) SWIFT address with 8 or 11 alphanumeric characters. Must contain a valid value according to ISO 9362. Must contain a valid BIC of an active participant. Must not be concatenated.	

ISO 20022 Standard			Swiss ISO 20022 Payments Standard		
Message Item	XML Tag	Mul	Mul	Definition	SEPA
Assignment +Assignee	Assgne	1..1	1..1	Instructed Participant Own identification of the instructed participant. For addressing the participant, <Agt> must be used.	Instructed Party. Limited to BICFI to identify a bank, AnyBIC to identify a CSM or 'Name' to indicate the CSM when it has no BIC. 'Name' is limited to 70 characters in length. Yellow Field
Assignment +Assignee ++Agent	Agt	1..1	1..1	Agent	
Assignment +Assignee ++Agent +++Financial Institution Identification	FinInstnId	1..1	1..1	Financial Institution Identification	
Assignment +Assignee ++Agent +++Financial Institution Identification ++++BICFI	BICFI	0..1	1..1	Identification of Instructed Participant (BIC) SWIFT address with 8 or 11 alphanumeric characters. Must contain a valid value according to ISO 9362. Must contain a valid BIC of an active participant.	
Assignment +Creation Date Time	CreDtTm	1..1	1..1	Creation Date Time	Yellow Field

Table 2: Assignment (Assgnmt, Block 1)

4.2 Case (Case, Block 2)

"Case" (Block 2 of the message) contains the following data:

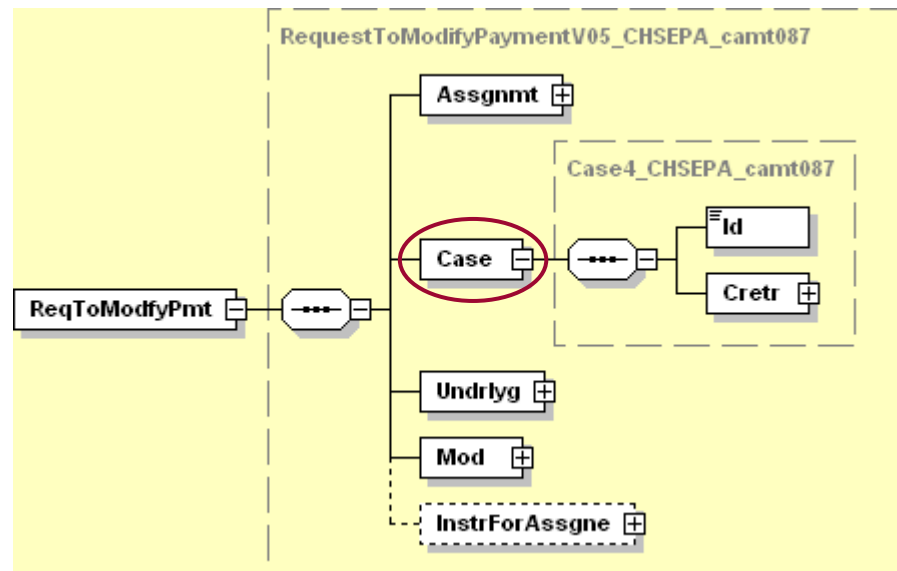


Figure 8: Case (Case)

The following table specifies all the elements of "Case" in the "camt.087" message that are relevant to the RTGS systems.

ISO 20022 Standard			Swiss ISO 20022 Payments Standard		
Message Item	XML Tag	Mul	Mul	Definition	SEPA
Case	Case	0..1	1..1		Mandatory Yellow Field
Case +Identification	Id	1..1	1..1	Case Identification Unique identification of the missing incoming payment query. Only the SWIFT character set excluding spaces is permitted for this element. Must contain a digit 0 - 9 or a letter a - z or A - Z in the first position. It is used together with <Assgnr> for duplicate checking at message level and may only occur once within the permitted value dates. Permitted value dates are value date today and 2 days in the past. Note: To be processed successfully, no duplicates must be identifiable at either message level or transaction level.	Yellow Field AT-81 The specific SCT inquiry reference of the Participant initiating the SCT inquiry.
Case +Creator	Cretr	1..1	1..1		Limited to BICFI to identify the Originator Bank of the original credit transfer. Yellow Field
Case +Creator ++Agent	Agt	1..1	1..1	Agent	
Case +Creator ++Agent +++Financial Institution Identification	FinInstnId	1..1	1..1	Financial Institution Identification	
Case +Creator ++Agent +++Financial Institution Identification ++++BICFI	BICFI	0..1	1..1	Identification of Originator Bank of the Original Credit Transfer (BIC) SWIFT address with 8 or 11 alphanumeric characters. Must contain a valid value according to ISO 9362.	

Table 3: Case (Case, Block 2)

4.3 Underlying (Undrlyg, Block 3)

"Underlying" (Block 3 of the message) contains the following data:

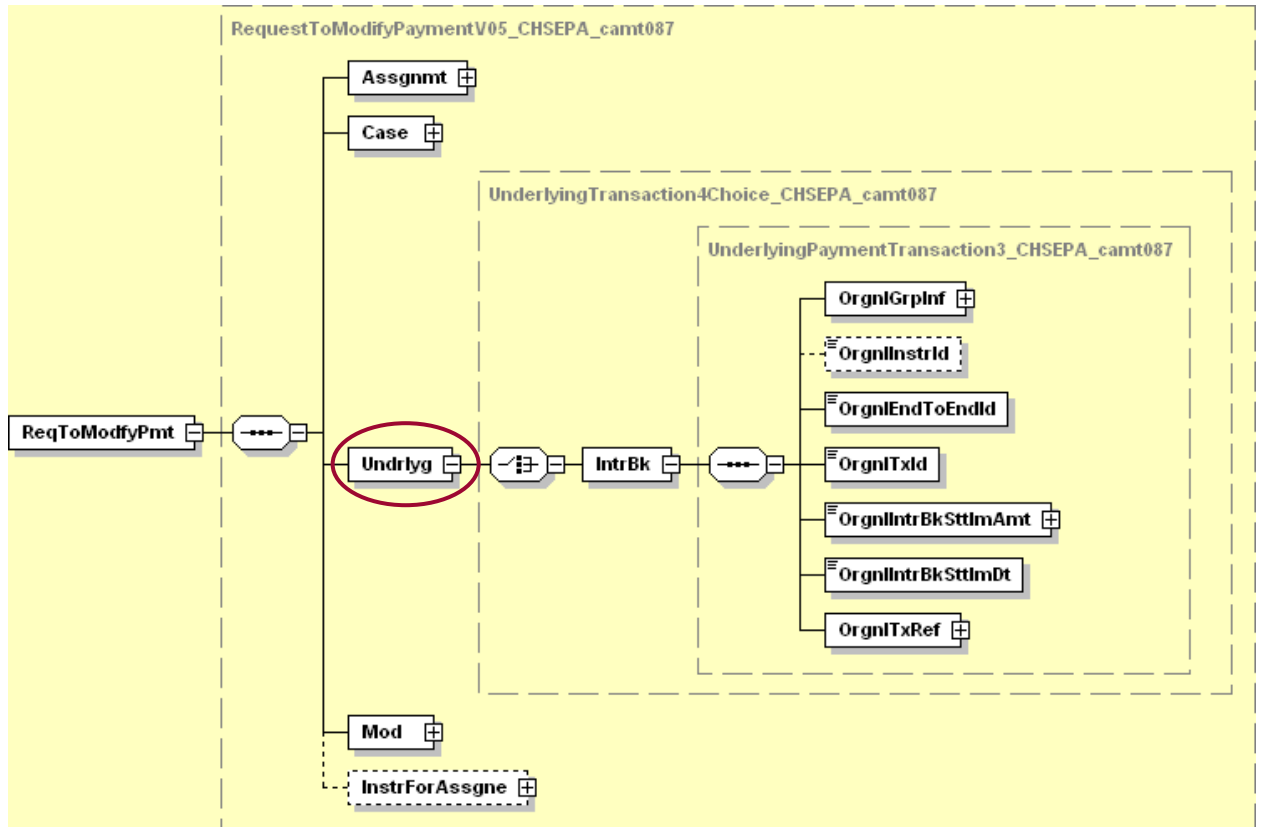


Figure 9: Underlying (Undrlyg)

The following table specifies all the elements of "Underlying" in the "camt.087" message that are relevant to the RTGS systems.

ISO 20022 Standard			Swiss ISO 20022 Payments Standard		
Message Item	XML Tag	Mul	Mul	Definition	SEPA
Underlying	Undrlyg	1..1	1..1	Underlying Information regarding the payment instruction to be corrected.	Yellow Field
Underlying +Interbank	IntrBk	1..1	1..1	Interbank Transaction Information Information specifying the requested payment	Yellow Field
Underlying +Interbank ++Original Group Information	OrgnlGrpInf	0..1	1..1	Original Group Identification	Mandatory Yellow Field
Underlying +Interbank ++Original Group Information +++Original Message Identification	OrgnlMsgId	1..1	1..1	Original Message Identification	Yellow Field
Underlying +Interbank ++Original Group Information +++Original Message Name Identification	OrgnlMsgNmId	1..1	1..1	Original Message Name Identification Only "pacs.008.008.02" is allowed.	Only 'pacs.008.001.02' is allowed. Yellow Field
Underlying +Interbank ++Original Instruction Identification	OrgnlInstrId	0..1	0..1	Original Instruction Identification	Yellow Field
Underlying +Interbank ++Original End To End Identification	OrgnlEndToEndId	0..1	1..1	Original Debtor Reference	Mandatory AT-41 The Originator's reference of the SEPA Credit Transfer Transaction. Yellow Field
Underlying +Interbank ++Original Transaction Identification	OrgnlTxId	0..1	1..1	Original Transaction Identification	AT-43 The Originator Bank's reference of the SEPA Credit Transfer Transaction. Mandatory Yellow Field

ISO 20022 Standard			Swiss ISO 20022 Payments Standard		
Message Item	XML Tag	Mul	Mul	Definition	SEPA
Underlying +Interbank ++Original Interbank Settlement Amount	OrgnlIntrBkSttlmAmt	1..1	1..1	Original Settlement Amount Must contain no more than 11 digits (excl. decimal separators), including a maximum of 2 fractional digits. Amount must be >0, the maximum accepted amount is 999,999,999.99.	Only 'EUR' is allowed. AT-04 Amount of the Credit Transfer in Euro. Amount must be 0.01 or more and 999999999.99 or less. The fractional part has a maximum of two digits. Yellow Field
	Ccy			Currency Code Der Währungscode muss «EUR» sein.	
Underlying +Interbank ++Original Interbank Settlement Date	OrgnlIntrBkSttlmDt	1..1	1..1	Original Interbank Settlement Date Requested value date of the original payment.	AT-42 Settlement Date of the Credit Transfer. Yellow Field
Underlying +Interbank ++Original Transaction Reference	OrgnlTxRef	0..1	1..1	Original Transaction Reference The elements that are sent must contain an exact copy of the content from the elements in the original payment.	Mandatory An exact copy of all attributes of DS-02 of the initially sent pacs.008 to which the claim refers. The message elements under 'Original Transaction Reference' must be populated with the same value as the message elements of the original instruction. Yellow Field
Underlying +Interbank ++Original Transaction Reference +++Settlement Information	SttlmInf	0..1	0..1	Settlement Information	Yellow Field

ISO 20022 Standard			Swiss ISO 20022 Payments Standard		
Message Item	XML Tag	Mul	Mul	Definition	SEPA
Underlying +Interbank ++Original Transaction Reference +++Payment Type Information	PmtTpInf	0..1	0..1	Payment Type Information	AT-40 Identification code of the Scheme. AT-45 Category Purpose of the Credit Transfer. If the original transaction was sent according to Annex V (Use of Extended Remittance Information) of the SCT Rulebook (refer to section 'Interbank payment with use of the Extended Remittance Information option' below), then 'Local Instrument/Code' must be populated with 'PERI' (Payment with Extended Remittance Information). Yellow Field
Underlying +Interbank ++Original Transaction Reference +++Remittance Information	RmtInf	0..1	0..1	Remittance Information	AT-05 Remittance information or AT-61 The unstructured Remittance Information sent by the Originator to the Beneficiary in the Credit Transfer Instruction (in case of use of the Extended Remittance Information (ERI)option in the original SEPA Credit Transfer, refer to section 'Interbank payment with use of the Extended Remittance Information option' below). Yellow Field

ISO 20022 Standard			Swiss ISO 20022 Payments Standard		
Message Item	XML Tag	Mul	Mul	Definition	SEPA
Underlying +Interbank ++Original Transaction Reference +++Ultimate Debtor	UltmtDbtr	0..1	0..1	Ultimate Debtor	AT-08 Name of the Originator Reference Party. AT-09 Identification Code of the Originator Reference Party. Only 'Party' is allowed. Yellow Field
Underlying +Interbank ++Original Transaction Reference +++Debtor	Dbtr	0..1	0..1	Debtor	AT-02 Name of the Originator. AT-03 Address of the Originator. AT-10 Originator's Identification Code. Only 'Party' is allowed. Yellow Field
Underlying +Interbank ++Original Transaction Reference +++Debtor Account	DbtrAcct	0..1	0..1	Debtor Account	AT-01 Account number of the Originator. Yellow Field
Underlying +Interbank ++Original Transaction Reference +++Debtor Agent	DbtrAgt	0..1	0..1	Debtor Agent	AT-06 BIC of the Originator Bank. Yellow Field
Underlying +Interbank ++Original Transaction Reference +++Creditor Agent	CdtrAgt	0..1	0..1	Creditor Agent	AT-23 The BIC of the Beneficiary Bank. Yellow Field

ISO 20022 Standard			Swiss ISO 20022 Payments Standard		
Message Item	XML Tag	Mul	Mul	Definition	SEPA
Underlying +Interbank ++Original Transaction Reference +++Creditor	Cdtr	0..1	0..1	Creditor	AT-21 Name of the Beneficiary. AT-22 Address of the Beneficiary. AT-24 Beneficiary Identification Code. Only 'Party' is allowed. Yellow Field
Underlying +Interbank ++Original Transaction Reference +++Creditor Account	CdtrAcct	0..1	0..1	Creditor Account	AT-20 Account of the Beneficiary. Yellow Field
Underlying +Interbank ++Original Transaction Reference +++Ultimate Creditor	UltmtCdtr	0..1	0..1	Ultimate Creditor	AT-28 Name of the Beneficiary Reference Party. AT-29 Identification Code of the Beneficiary Reference Party. Only 'Party' is allowed. Yellow Field
Underlying +Interbank ++Original Transaction Reference +++Purpose	Purp	0..1	0..1	Transaction Purpose	Yellow Field

Table 4: Underlying (Undrlyg, Block 3)

4.4 Modification (Mod, Block 4)

"Modification" (Block 4 of the message) contains the following data:

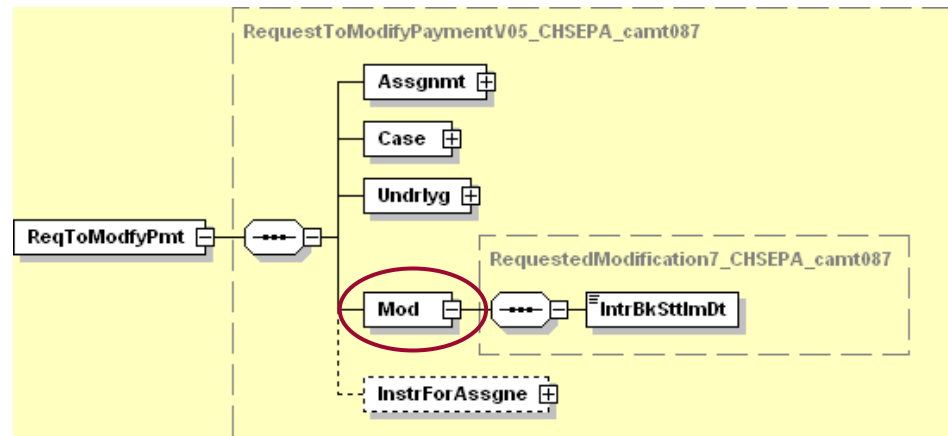


Figure 10: Modification (Mod)

The following table specifies all the elements of "Modification" in the "camt.087" message that are relevant to the RTGS systems.

ISO 20022 Standard			Swiss ISO 20022 Payments Standard		
Message Item	XML Tag	Mul	Mul	Definition	SEPA
Modification	Mod	1..1	1..1	Requested Modification	Only 'Interbank Settlement Date' is allowed. Yellow Field
Modification +Interbank Settlement Date	IntrBkSttlmDt	0..1	1..1	Interbank Settlement Date	Mandatory Contains the interbank settlement date to be applied by the Beneficiary Bank, as a consequence: - If the Interbank Settlement Date of the initial pacs.008 was correct: AT-42 'Settlement Date of the Credit Transfer in Euro' must be provided (as part of AT-82 'Additional Information to AT-80 SCT Inquiry reason code' i.e. the initially expected settlement date). - If the Interbank Settlement Date of the initial pacs.008 was incorrect: the new requested Interbank Settlement Date must be provided. Yellow Field

Table 5: *Modification (Mod, Block 4)*

4.5 Instruction for Assignee (InstrForAssgne, Block 5)

"Instruction for Assignee" (Block 5 of the message) contains the following data:

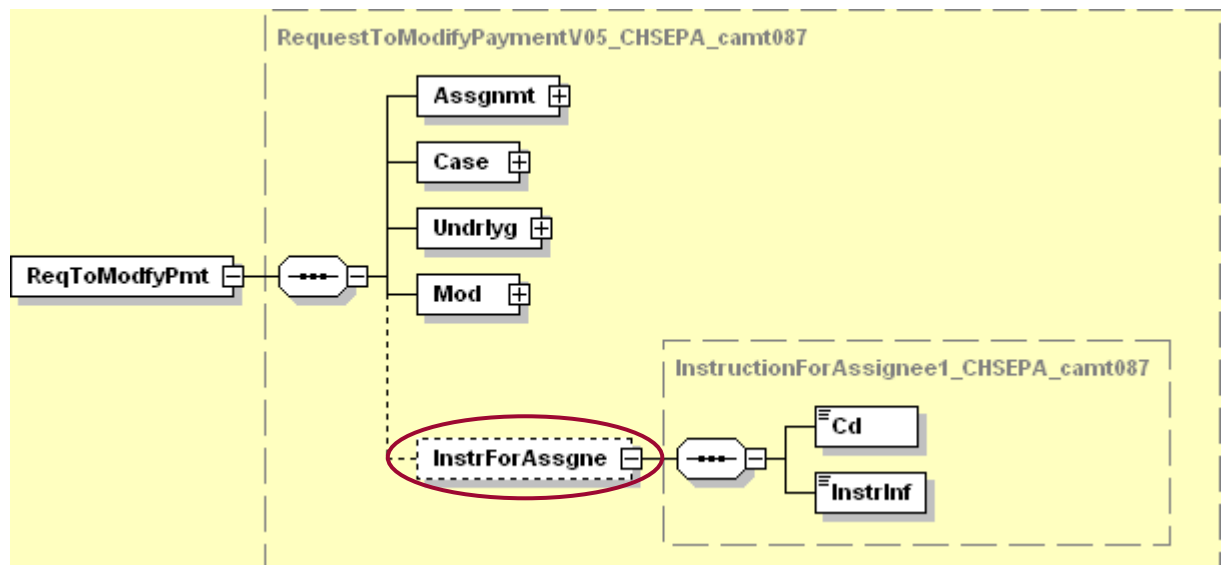


Figure 11: Instruction for Assignee (InstrForAssgne)

The following table specifies all the elements of "Instruction for Assignee" in the "camt.087" message that are relevant to the RTGS systems.

ISO-20022-Standard			Schweizer ISO-20022-Zahlungsstandard		
Message Item	XML Tag	Mult	Mult	Definition	SEPA
Instruction For Assignee	InstrForAssgne	0..1	0..1	Instruction For Assignee	If used to accommodate AT-82, the first 20 characters must refer to the date and time at which the Originator Bank received the credit transfer instruction from the Originator. Such date and time must be expressed in the ISO format YYYY-MM-DDThh:mm:ssZ. Yellow Field
Instruction For Assignee +Code	Cd	0..1	1..1	Instruction Code Only «INQR» (Inquiry) is allowed.	Mandatory Only INQR (Inquiry) is allowed. Yellow Field
Instruction For Assignee +Instruction Information	InstrInf	0..1	1..1	Processing Instruction (text)	Mandatory The text shall be in a comprehensible language to the Scheme Participant receiving the SCT inquiry who is obliged to act upon this. Yellow Field

Table 6: Instruction for Assignee (InstrForAssgne, Block 5)

4.6 Supplementary Data (SplmtryData, Block 6)

"Supplementary Data" (Block 6 of the message) is not used by the RTGS systems.

5 Example

The following example shows a "SEPA Value Date Adjustment Request" from the debtor agent to the creditor agent.

The Banque Commerciale, Fribourg made a transfer of EUR 5,000 to the account of of the watch wholesaler Buxtehude at the Remote Bank Frankfurt. The requested value date was 2020-02-20.

The payment was effectively credited on 25-02-2020 to the account of the watch wholesaler Buxtehude. This then contacted its bank, which had made the transfer. Therefore, Banque Commerciale issues a "SEPA Value Date Adjustment Request" for the executed payment (pacs.008) to Remote Bank Frankfurt asking for an adjustment of the valuedate to 20-02-2020.

Business elements of the "SEPA Value Date Adjustment Request"

Business element	Content
Payment type	SEPA Value Date Adjustment Request
Message identification	MSGID-087-0001
Identification of instructing participant (BIC)	BCFRCHBBXXX
Identification of instructed participant (BIC)	SECGDEFFXXX
Creation date and time of the message	2020-03-12T16:10:10
Identification of the «SEPA-Anfrage fehlender Zahlungseingang»	087-4711
Identification of the debtor agent which triggered the original message (BIC)	BCFRCHBBXXX
Message identification of the original payment	MSGID-20200217-090615-01
Message type of the original payment	pacs.008.001.02
Debtor's payment reference of the original payment	1234567890
Transaction reference of the original payment	20200217000004
Settlement amount of the original payment	5000
Currency code	EUR
Value date of the original payment	2020-02-20
Settlement method	CLRG
Service agreement	SEPA
Debtor's name	Horlogerie du Joux, Mueller et Cie.
Debtor's account (IBAN)	CH5598064001234567890
Identification of the debtor agent (BIC)	BCFRCHBBXXX
Identification of the creditor agent (BIC)	RMTBDEFFXXX
Creditor's name	Uhrengrosshandel Buxtehude, Peter Maier und Co.

Business element	Content
Creditor's account (IBAN)	DE47100100001234567890
Requested modified value date	2020-02-20

Depiction of the "SEPA Value Date Adjustment Request" using ISO 20022 camt.087

Assgnmt	Id		MSGID-087-0001			
	Assgnr	Agt	FinInstnId	BICFI BCFRCHBXXX		
	Assgne	Agt	FinInstnId	BICFI SECGDEFFXXX		
	CreDtTm		2020-03-12T16:10:10			
Case	Id		087-4711			
	Cretr	Agt	FinInstnId	BICFI BCFRCHBXXX		
ReqToModifyPmt	OrgnlGrpInf	OrgnlMsgId	MSGID-20200217-090615-01			
		OrgnlMsgNmId	pacs.008.001.02			
		OrgnlEndToEndId	1234567890			
		OrgnlTxId	202002170000004			
		OrgnlIntrBkSttlmAmt	5000 EUR			
		OrgnlIntrBkSttlmDt	2020-02-20			
	Undrlyg	IntrBk	SttlmInf	SttlmMtd	CLRG	
			PmtTpInf	SvcLvl	Cd SEPA	
		OrgnlTxRef	Dbtr	Pty	Nm	Horlogerie du Joux, Mueller et Cie.
			DbtrAcct	Id	IBAN	CH5598064001234567890
			DbtrAgt	FinInstnId	BICFI	BCFRCHBXXX
			CdtrAgt	FinInstnId	BICFI	RMTBDEFFXXX
			Cdtr	Pty	Nm	Uhrengrosshandel Buxtehude, Peter Maier und Co.
			CdtrAcct	Id	IBAN	DE47100100001234567890
			Mod	IntrBkSttlmDt	2020-02-20	

For XML versions of the example see Appendix A.

Appendix A: XML schema and example

XML schema

The XML schema for "pacs.087" for the RTGS systems

- ***camt.087.001.05.chsepa.01.xsd***

is published on the SIX Interbank Clearing Ltd website.

It should preferably be opened using specific XML software.

Example

The example shown in section 5 is published on the SIX Interbank Clearing Ltd website as an XML file:

- ***camt_087_Beispiel.xml***

Validation Portal

The above mentioned example message as well as this implementation guideline, the XML schema and additional examples can also be downloaded from the SIC & euroSIC Validation Portal Interbank Messages (<https://validation.iso-payments.ch/SIC4>).

After successful registration users can upload their own messages and have them validated against this implementation guideline.

Appendix B: Table of figures

Figure 1:	Documentation structure.....	6
Figure 2:	Basic message structure of the "camt.087" message	7
Figure 3:	Message Identification (Identification).....	9
Figure 4:	Identification of the "SEPA Value Date Adjustment Request".....	10
Figure 5:	Identification of the transaction reference of the original payment	10
Figure 6:	Elements for information from the original message	11
Figure 7:	Assignment (Assgnmt).....	12
Figure 8:	Case (Case).....	15
Figure 9:	Underlying (Undrlyg).....	17
Figure 10:	Modification (Mod)	23
Figure 11:	Instruction for Assignee (InstrForAssgne)	25

Appendix C: Table of tables

Table 1:	Situations where the "camt.087" message is used.....	8
Table 2:	Assignment (Assgnmt, Block 1)	14
Table 3:	Case (Case, Block 2).....	16
Table 4:	Underlying (Undrlyg, Block 3)	22
Table 5:	Modification (Mod, Block 4).....	24
Table 6:	Instruction for Assignee (InstrForAssgne, Block 5)	26