



# **Implementation Guidelines for ISO 20022 Interbank Messages**

SIC and euroSIC

Settlement Order Modification (camt.007)

Version 1.3, with effect from 15 November 2019

## General notes

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## About this document

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### 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.007" – 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)
1.3	20.03.2019	Republication of Version 1.1.1 with a new publication date	Alle
1.2	20.02.2019	Version withdrawn	Alle
1.1.1	15.06.2018	Publication as "Minor" version: <ul style="list-style-type: none"> <li>Layout adaptation according to the new Brand Identity Guide-lines.</li> <li>Information about acknowledgment removed (section deleted).</li> </ul>	all (3.5)
1.1	20.02.2018	Details about messages in the SIC or SWIFT FIN message standard removed from the documentation structure diagram.	1
		Message description made more precise (reference to pre-value date file omitted).	2
1.0	21.03.2016	First edition	all
	20.07.2016	Addressing "Institutions" clarified.	3.4
		Definition texts of technical specifications updated (notes «Must contain a valid BIC of an active participant», «Must contain a valid identification of an active participant, must not be concatenated» and «IID must be contained in the bank master data, active, and not concatenated» deleted).	4.2

## Table of contents

<b>1</b>	<b>Overview of documentation structure .....</b>	<b>6</b>
<b>2</b>	<b>SWIFT MX definitions .....</b>	<b>7</b>
<b>3</b>	<b>Business specifications for the RTGS systems.....</b>	<b>8</b>
3.1	General.....	8
3.2	Modification types .....	8
3.3	References in the "Modify Transaction" message (camt.007).....	9
3.4	Addressing "Institutions".....	9
3.5	Further business specifications .....	10
<b>4</b>	<b>Technical specifications for the RTGS systems .....</b>	<b>11</b>
4.1	Message Header (MsgHdr, A-Level).....	11
4.2	Transaction Modification (Mod, B-Level).....	13
<b>5</b>	<b>Examples.....</b>	<b>19</b>
5.1	Wait file modification .....	19
5.2	Priority modification.....	21
<b>Appendix A: XML schema and example.....</b>		<b>23</b>
<b>Appendix B: Table of figures.....</b>		<b>23</b>
<b>Appendix C: Table of tables .....</b>		<b>23</b>

# 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.

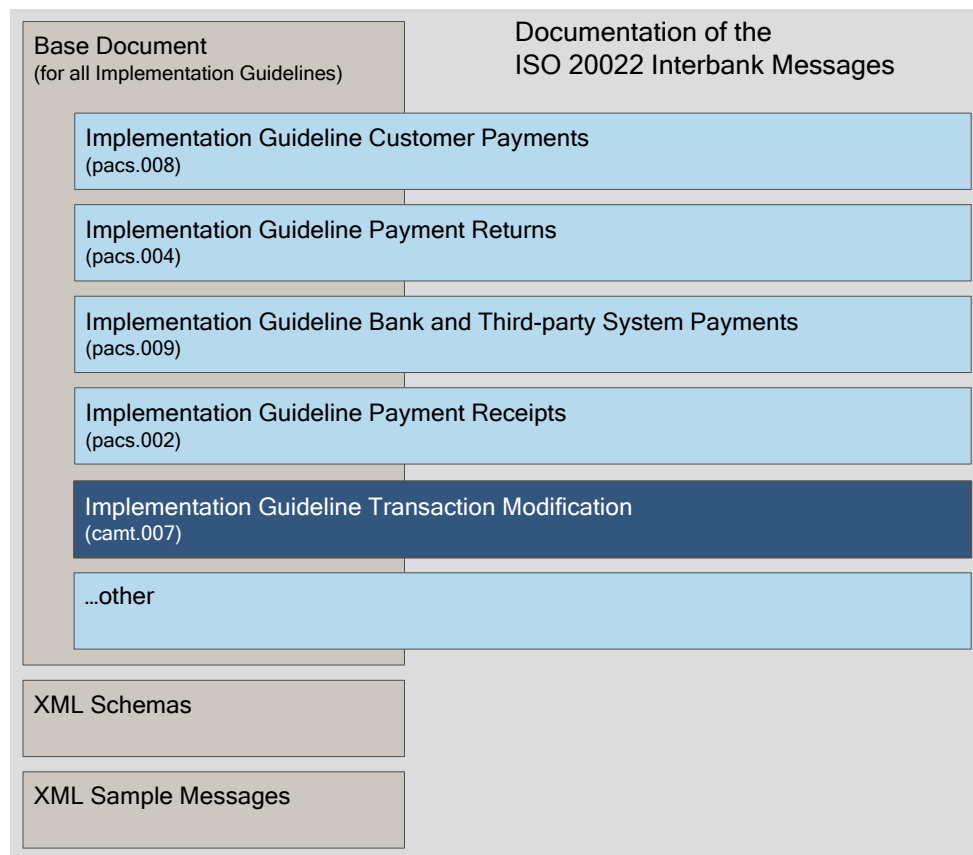
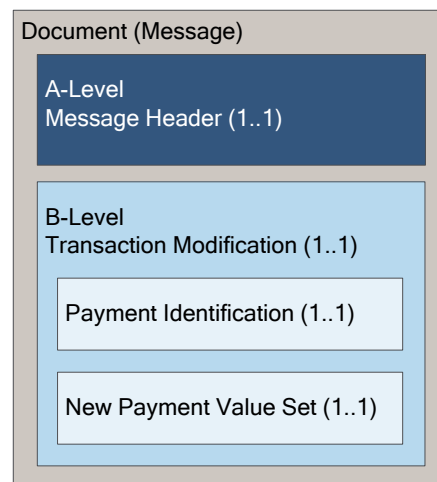


Figure 1: Documentation structure

## 2 SWIFT MX definitions

The "Modify Transaction" message (camt.007) is sent from the participant to the RTGS systems to alter the priority of an as yet unsettled payment in the wait file and/or to places the next payment that is due for settlement to the end of the wait file. The message is used on the basis of the SWIFT MX schema "camt.007.001.06" that has been modified for the RTGS systems and is compatible with this.

The structure of the message is based on the ISO 20022 standard but is not (yet) a message published by ISO for inclusion in the standard.



The "camt.007.001.06.ch.01" message is essentially structured as follows:

- **A-Level:** Message level, "*Message Header*" element. This block must occur exactly once.
- **B-Level:** Transaction level, "*Transaction Modification*" element. This block must occur exactly once. It contains the details for the payment that is to be modified ("*Payment Identification*" element) and the details of the modification ("*New Payment Value Set*" element).

Figure 2: Basic message structure of the "camt.007.001.06.ch.01" message

## 3 Business specifications for the RTGS systems

### 3.1 General

The "camt.007" message is used in the following use case:

Use case	Input/Output	ISO/MX message
Settlement order modification	I	camt.007

Table 1: Use case for "camt.007" in the RTGS systems

The "Input/Output" column in the table indicates whether the message was created by the participant (I) or by the RTGS systems (O).

### 3.2 Modification types

With this use case, the participant can, by giving the transaction reference, for any payment

- alter the priority of any credit transfer that has not yet been settled. This simultaneously places the credit transfer at the end of the wait file for the new priority. The new priority should be shown in the `.../Mod/NewPmtValSet/Prty/Prtry` element.
- move the next payment that is due to be settled to the end of the wait file for that priority.



### 3.3 References in the "Modify Transaction" message (camt.007)

Two references are sent in the "camt.007" message:

A-Level: *MsgHdr/MsgId* – unique message identification for the "camt.007" message

B-Level: *Mod/PmtId/LngBizId/TxId* – transaction reference of the message to be modified

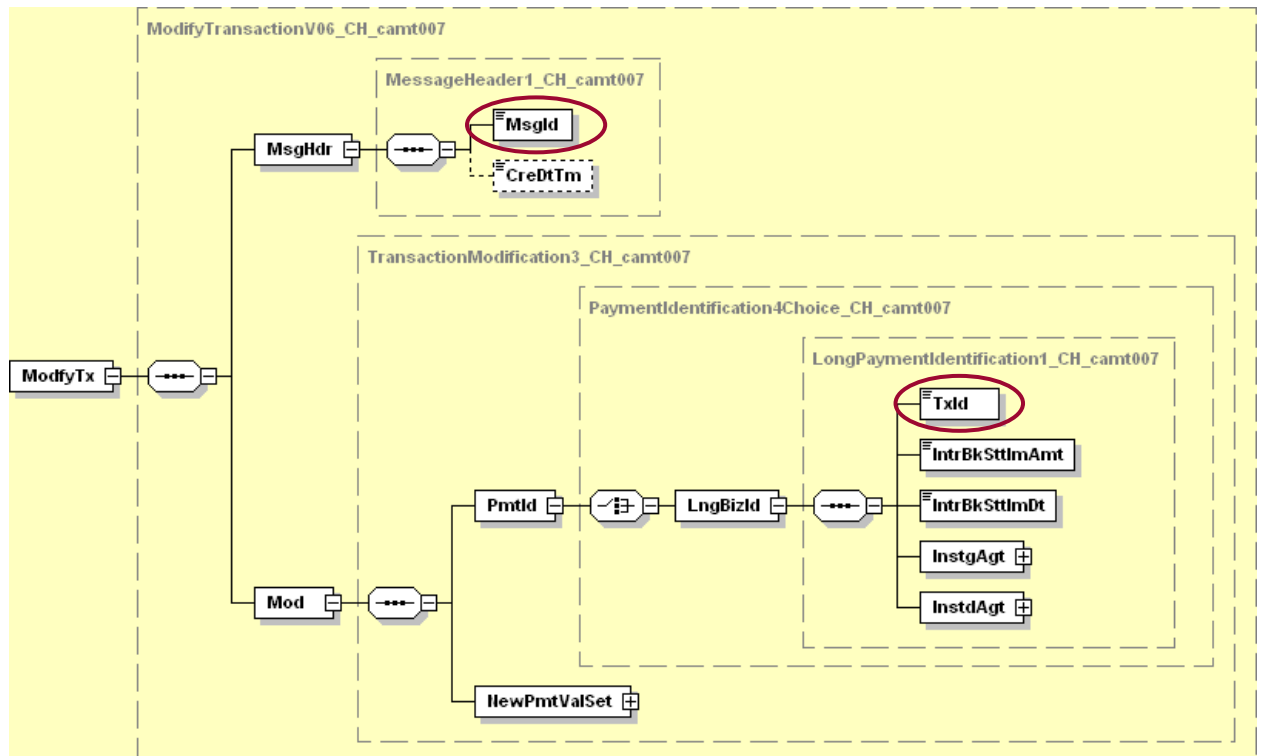


Figure 3: References in the "camt.007" message

### 3.4 Addressing "Institutions"

#### Instructing Agent/Instructed Agent (Sender/receiver of the message)

- Addressing using the IID or BIC
- The following elements can be used:  
BIC: *.../FinInstnId/BIC*  
IID: *.../FinInstnId/ClrSysMmbId/MmbId*  
(Format: 6 digits numerical i.e. only digits 0 – 9)
- The sub-elements *.../FinInstnId/BIC* and *.../FinInstnId/ClrSysMmbId* must not be used at the same time.
- The method of addressing the institutions (IID or BIC) must be the same as the method of addressing in the message to be modified.
- Instructing Agent: For modifications submitted by one participant on behalf of another participant, the *.../FinInstnId/Othr/Id* element must also have the IID of the instructed institution filled in.

### **3.5 Further business specifications**

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Further business specifications can be found in the Base Document.

## 4 Technical specifications for the RTGS systems

### 4.1 Message Header (MsgHdr, A-Level)

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

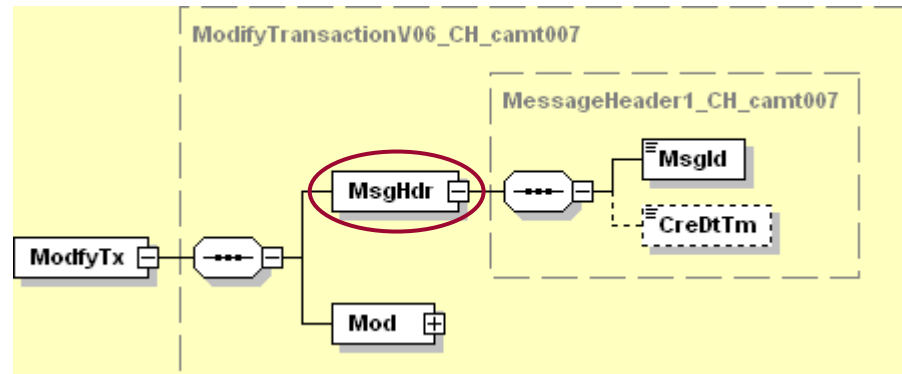


Figure 4: Message Header (MsgHdr)

The following table specifies all the elements of the "Message Header" of the "camt.007" message that are relevant in the context of the RTGS systems.

ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult.	Mult.	Definition
Document +ModifyTx	ModifyTx	1..1	1..1	
MsgHdr	MsgHdr	1..1	1..1	
MsgHdr +MsgId	MsgId	1..1	1..1	<b>Message Identification</b>
MsgHdr +CreDtTm	CreDtTm	0..1	0..1	<b>Creation Date Time</b>

Table 2: Message Header (MsgHdr, A-Level)

## 4.2 Transaction Modification (Mod, B-Level)

The "Transaction Modification" element (B-Level of the message) contains the information to identify the payment that is to be modified.

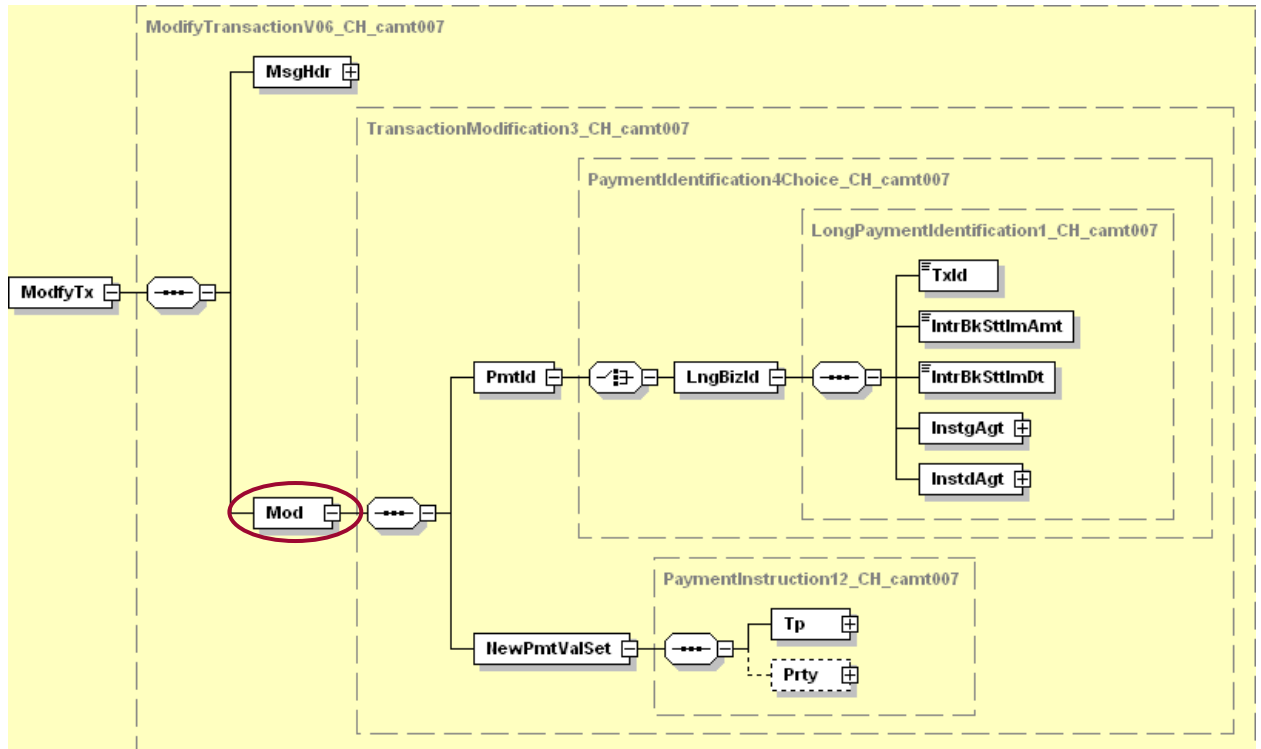


Figure 5: Transaction Modification (Mod)

The following table specifies all the elements of the "Transaction Modification" of the "camt.007" message that are relevant in the context of the RTGS systems.

ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult.	Mult.	Definition
Mod	Mod	1..n	1..1	
Mod +PmtId	PmtId	1..1	1..1	
Mod +PmtId ++LngBizId	LngBizId	1..1	1..1	
Mod +PmtId ++LngBizId +++TxId	TxId	1..1	1..1	<b>Transaction Identification</b> Transaction identification of the message to be modified.
Mod +PmtId ++LngBizId +++IntrBkSttlmAmt	IntrBkSttlmAmt	1..1	1..1	<b>Settlement Amount</b> Must be the same as the settlement amount of the payment to be modified.
Mod +PmtId ++LngBizId +++IntrBkSttlmDt	IntrBkSttlmDt	1..1	1..1	<b>Requested Settlement Date</b> Must be the same as the requested settlement date of the payment to be modified.
Mod +PmtId ++LngBizId +++InstgAgt	InstgAgt	1..1	1..1	<b>Instructing Participant</b> The type of identification that is sent (BIC/IID) must be the same as the type of identification used in the message to be modified.
Mod +PmtId ++LngBizId +++InstgAgt ++++FinInstnId	FinInstnId	1..1	1..1	
Mod +PmtId ++LngBizId +++InstgAgt ++++FinInstnId +++++BICFI	BICFI	0..1	0..1	<b>Identification of Instructing Participant (BIC)</b> SWIFT address with 8 or 11 alphanumeric characters. This element must not be used at the same time as <ClrSysMmbId>. Must contain a valid value according to ISO 9362.

ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult.	Mult.	Definition
Mod +PmtId ++LngBizId +++InstgAgt ++++FinInstnId +++++ClrSysMmbId	ClrSysMmbId	0..1	0..1	<b>Identification of Instructing Participant (proprietary)</b> This element must not be used at the same time as <BICFI>.
Mod +PmtId ++LngBizId +++InstgAgt ++++FinInstnId +++++ClrSysMmbId +++++ClrSysId	ClrSysId	0..1	0..1	<b>Clearing System Identification</b> Must be used to unambiguously identify the address type.
Mod +PmtId ++LngBizId +++InstgAgt ++++FinInstnId +++++ClrSysMmbId +++++ClrSysId +++++Cd	Cd {Or	1..1	1..1	<b>Clearing System Identification (code)</b> Permitted ISO code value: CHSIC (IID, 6 digits).
Mod +PmtId ++LngBizId +++InstgAgt ++++FinInstnId +++++ClrSysMmbId +++++ClrSysId +++++Prtry	Prtry Or}	1..1	1..1	<b>Clearing System Identification (proprietary)</b> Is currently not supported.

ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult.	Mult.	Definition
Mod +PmtId ++LngBizId +++InstgAgt ++++FinInstnId +++++ClrSysMmbId ++++++MmbId	MmbId	1..1	1..1	<b>Member Identification</b> IID (=6n)
Mod +PmtId ++LngBizId +++InstgAgt ++++FinInstnId +++++Othr	Othr	0..1	0..1	
Mod +PmtId ++LngBizId +++InstgAgt ++++FinInstnId +++++Othr +++++Id	Id	1..1	1..1	<b>Identification of the Instructing Participant (on behalf)</b> Modification is carried out on behalf of another participant. Must contain the IID of the participant instructed to do so. Modification by the paying participant of the original message: Must not be used.
Mod +PmtId ++LngBizId +++InstdAgt	InstdAgt	1..1	1..1	<b>Instructed Participant</b> The type of identification that is submitted (BIC/IID) must be the same as the type of identification used in the message to be modified.
Mod +PmtId ++LngBizId +++InstdAgt ++++FinInstnId	FinInstnId	1..1	1..1	



ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult.	Mult.	Definition
Mod +PmtId ++LngBizId +++InstdAgt ++++FinInstnId +++++BICFI	BICFI	0..1	0..1	<b>Identification of Instructed Participant (BIC)</b> SWIFT address with 8 or 11 alphanumeric characters. This element must not be used at the same time as <ClrSysMmbId>. Must contain a valid value according to ISO 9362.
Mod +PmtId ++LngBizId +++InstdAgt ++++FinInstnId +++++ClrSysMmbId	ClrSysMmbId	0..1	0..1	<b>Identification of Instructed Participant (proprietary)</b> This element must not be used at the same time as <BICFI>.
Mod +PmtId ++LngBizId +++InstdAgt ++++FinInstnId +++++ClrSysMmbId ++++++ClrSysId	ClrSysId	0..1	0..1	<b>Clearing System Identification</b> Must be used to unambiguously identify the address type.
Mod +PmtId ++LngBizId +++InstdAgt ++++FinInstnId +++++ClrSysMmbId ++++++ClrSysId +++++++Cd	Cd       {Or	1..1	1..1	<b>Clearing System Identification (code)</b> Permitted ISO code value: CHSIC (IID, 6 digits).

ISO 20022 Standard			Swiss ISO 20022 Payments Standard	
Message Item	XML Tag	Mult.	Mult.	Definition
Mod +PmtId ++LngBizId +++InstdAgt ++++FinInstnId +++++ClrSysMmbId ++++++ClrSysId +++++++Prtry	Prtry       Or}	1..1	1..1	<b>Clearing System Identification (proprietary)</b> Is currently not supported.
Mod +PmtId ++LngBizId +++InstdAgt ++++FinInstnId +++++ClrSysMmbId ++++++MmbId	MmbId	1..1	1..1	<b>Member Identification</b> IID (=6n)
Mod +NewPmtValSet	NewPmtValSet	1..1	1..1	
Mod +NewPmtValSet ++Tp	Tp	0..1	1..1	
Mod +NewPmtValSet ++Tp +++Prtry	Prtry	1..1	1..1	<b>Modification Type (proprietary)</b> The following code has to be used: SEQMOD - Modification of position in wait file / Modification of priority
Mod +NewPmtValSet ++Prty	Prty	0..1	0..1	<b>Priority</b> If the element is not used, then the payment will be put at the end of the wait file with the same priority. If the element is delivered, it will be put at the end of the indicated wait file.
Mod +NewPmtValSet ++Prty +++Prtry	Prtry	1..1	1..1	<b>Settlement priority</b> The following 3 levels of priority may be used: NORM = Normal priority, lowest level HIGH = High priority, medium level URGT = Urgent priority, highest level

Table 3: Transaction Modification (Mod, B-Level)

## 5 Examples

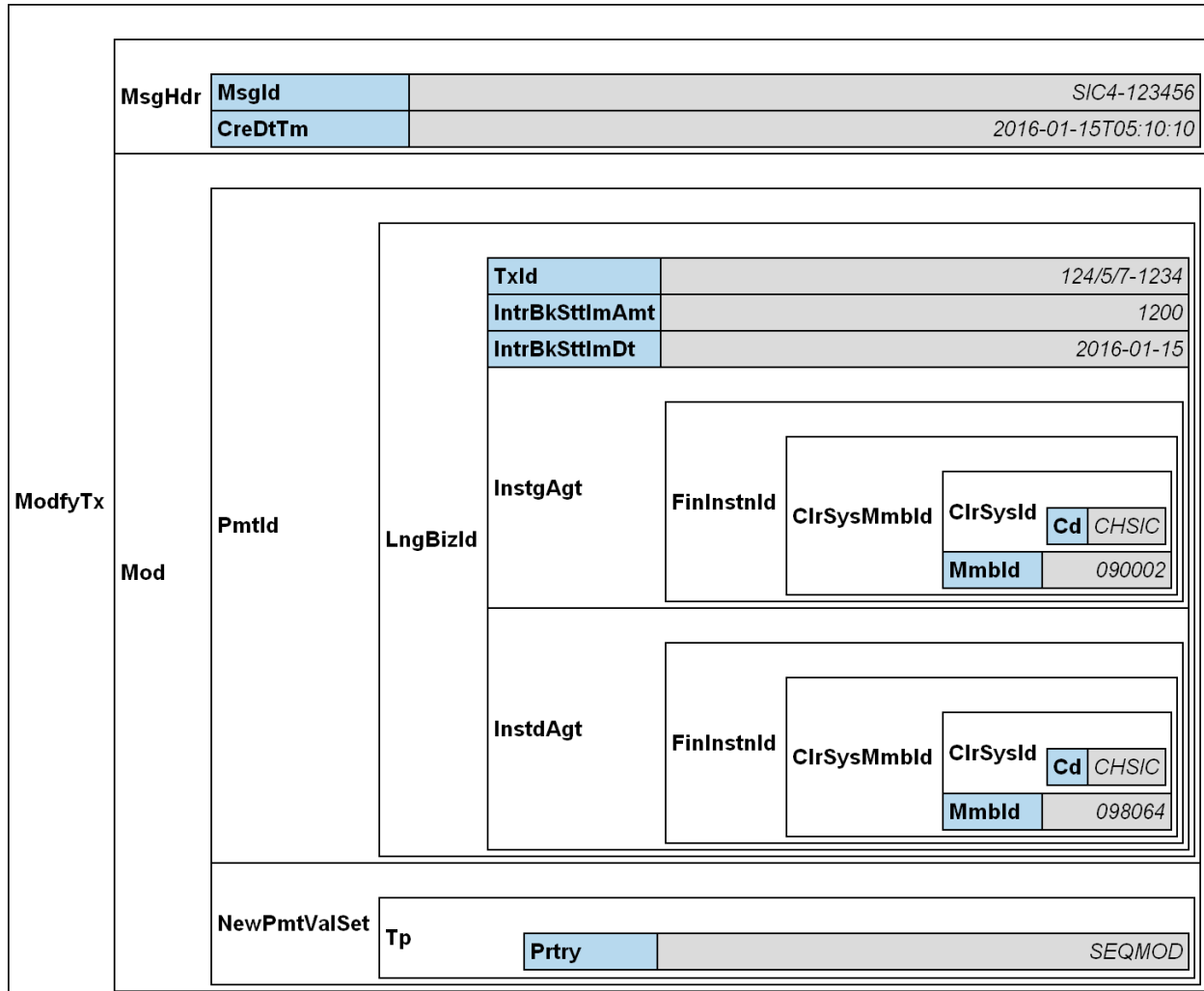
### 5.1 Wait file modification

Example 1 shows the modification of the wait file for a payment by a participant (no priority is set when making the modification, so the payment is placed to the last position in the wait file of the same priority):

#### Business elements of the modification

Business element	Content
Message identification	SIC4-123456
Creation date and time of the message	2016-01-15T05:10:10
Transaction reference of the payment to be modified	124/5/7-1234
Settlement amount	1200.00
Requested settlement date	2016-01-15
Instructing participant	090002
Instructed participant	098064

### Depiction of the wait file modification for a payment using ISO 20022 camt.007



For XML version of the example 1 "Wait file modification" see Appendix A.

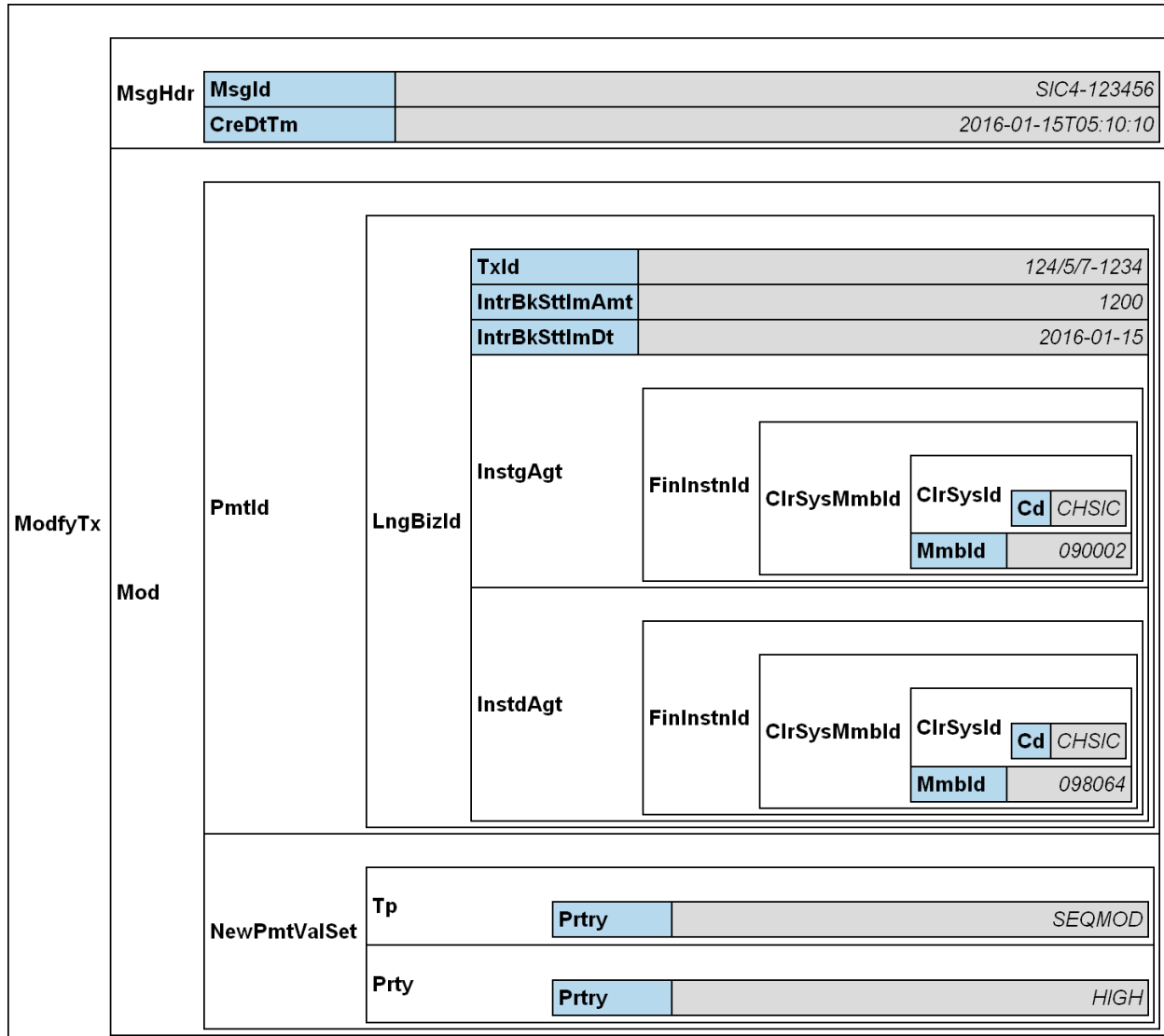
## 5.2 Priority modification

Example 2 shows the modification of the priority of a payment by a participant (the required priority is given in the message):

### Business elements of the modification

Business element	Content
Message identification	SIC4-123456
Creation date and time of the message	2016-01-15T05:10:10
Transaction reference of the payment to be modified	124/5/7-1234
Settlement amount	1200.00
Requested settlement date	2016-01-15
Instructing participant	090002
Instructed participant	098064
New priority	HIGH

**Depiction of the modification of the priority of a payment using ISO 20022 camt.007**



For XML version of the example 2 "Priority modification" see Appendix A.

## Appendix A: XML schema and example

### XML schema

The XML schema for "camt.007" for the the RTGS systems

- ***camt.007.001.06.ch.01.xsd***

is published on the SIX Interbank Clearing Ltd website.

It should preferably be opened using specific XML software.

### Examples

The examples shown in section 5 are published on the SIX Interbank Clearing Ltd website as XML files:

- ***camt\_007\_Beispiel1\_Mutation\_Wartedatei.xml***
- ***camt\_007\_Beispiel2\_Mutation\_Priorität.xml***

### Validation Portal

The above mentioned example messages 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.007.001.06.ch.01" message .....	7
Figure 3:	References in the "camt.007" message.....	9
Figure 4:	Message Header (MsgHdr) .....	11
Figure 5:	Transaction Modification (Mod) .....	13

## Appendix C: Table of tables

Table 1:	Use case for "camt.007" in the RTGS systems.....	8
Table 2:	Message Header (MsgHdr, A-Level).....	12
Table 3:	Transaction Modification (Mod, B-Level).....	18