



EUROPEAN CENTRAL BANK  
EUROSYSTEM

ECB-UNRESTRICTED

## ECMS message usage guide

Eurosystem Collateral Management System  
(ECMS)

**target** | **ECMS**  
services

April 2021

Version 1.2.1



# Contents

<b>1</b>	<b>Overview</b>	<b>2</b>
1.1	Introduction	2
1.2	Purpose of this document	2
1.3	Structure of this document	2
<b>2</b>	<b>Supporting documentation</b>	<b>3</b>
2.1	ECMS Business Description Document	3
2.2	ECMS Catalogue of Messages	3
2.3	MyStandards web application	3
2.4	Collateral management harmonisation	4
<b>3</b>	<b>Scope of the ECMS Catalogue of Messages</b>	<b>5</b>
<b>4</b>	<b>Features of ECMS messages in MyStandards</b>	<b>8</b>
<b>5</b>	<b>Access to the ECMS group in MyStandards</b>	<b>10</b>
<b>6</b>	<b>List of messages and message flows</b>	<b>11</b>
6.1	Corporate action messages	12
6.2	TPA messages for collateral management and reference data	22
6.3	Billing messages	27
6.4	Payments Clearing and Settlement messages	28
6.5	Collateral management messages for counterparties	32
6.6	Cash management messages	33
6.7	Securities Settlement messages	36
6.8	Securities Management messages	40
6.9	Administration and Header messages	42
6.10	Credit claims	44
<b>7</b>	<b>List of abbreviations</b>	<b>46</b>

# 1 Overview

## 1.1 Introduction

Counterparties can interact with the ECMS in User-to-Application (U2A) and Application-to-Application (A2A) mode using ISO 20022 messages.

Central Securities Depositories (CSDs) and Triparty Agents (TPAs) interact with the ECMS only in A2A mode based on the Single Collateral Management Rulebook for Europe (SCoRE) on Corporate Actions (CAs), Triparty Collateral Management and Billing Processes.

ECMS actors (counterparties, CSDs and TPAs) that communicate with the ECMS in A2A are expected to send/receive these ISO 20022 messages and consequently carry out the relevant adaptations in their internal applications.

## 1.2 Purpose of this document

This **ECMS message usage guide** (“**the Guide**”) describes how the ECMS makes use of the ISO 20022 messages (schemas, attributes, business rules of the ECMS, annotations).

## 1.3 Structure of this document

Chapter 2 describes the set of documents available for the understanding of ECMS messages.

Chapter 3 outlines the scope of the ECMS Catalogue of Messages.

Chapter 4 explains how to understand the information on MyStandards. While the ECMS makes use of ISO 20022 messages, not all attributes are relevant for the ECMS application. ECMS actors should focus on the relevant attributes and understand how the ECMS manages them.

Chapter 5 describes how to access the ECMS group in MyStandards.

Chapter 6 provides information on the list of messages by ECMS actor and the related message flows.

## 2 Supporting documentation

To understand the full impact of ECMS messages, it is recommended to also read the ECMS Business Description Document (BDD), SCoRE for CAs, Triparty Collateral Management and Billing, and the principles described in this Guide. Actual message information usage can be found in

- i. the ECMS list of messages accessible in MyStandards and
- ii. the ECMS Catalogue of Messages.

These two sources are connected. The ECMS Catalogue of Messages provides links to each ECMS message usage guideline in MyStandards.

### 2.1 ECMS Business Description Document

The ECMS business description document (BDD) presents a general explanation of the ECMS' functionalities and aims to introduce the functions and features of the ECMS. It can be found on the ECB website.

### 2.2 ECMS Catalogue of Messages

The ECMS Catalogue of Messages lists and provides a detailed description of the ISO messages, customised to the specific needs of the ECMS. It is available to ECMS actors on the ECMS website. For every message described in the Catalogue there is a link to MyStandards. In some cases, the same message is used for communication between a counterparty and the ECMS, as well as communication between the ECMS and a market infrastructure or CSD/TPA. For example, the instruction to mobilise a marketable asset sent by the counterparty to the ECMS is a "sese.023". The ECMS takes this information and generates another sese.023 which is sent to T2S. The Catalogue of Messages describes the first message as an inbound message from an ECMS actor and the second one as an outbound message to T2S.

### 2.3 MyStandards web application

The full content and schema of the ISO 20022 messages are available in [MyStandards](#).

Access to the ECMS list of messages in the MyStandards web application is granted by the Eurosystem to individual users of ECMS actors, on the basis of requests sent to the respective NCB.

## 2.4 Collateral management harmonisation

ECMS messages for CAs, TPAs and Billing, and their related business processes are listed in the AMI-SeCo Collateral management harmonisation standards. For further information, please see the [SCoRE on Corporate Actions, Triparty Collateral Management](#) and [Billing Processes](#).

## 3 Scope of the ECMS Catalogue of Messages

The ECMS Catalogue of Messages is ISO20022 compliant. The catalogue outlines the actual ECMS usage of defined messages, which can be classified as follows:

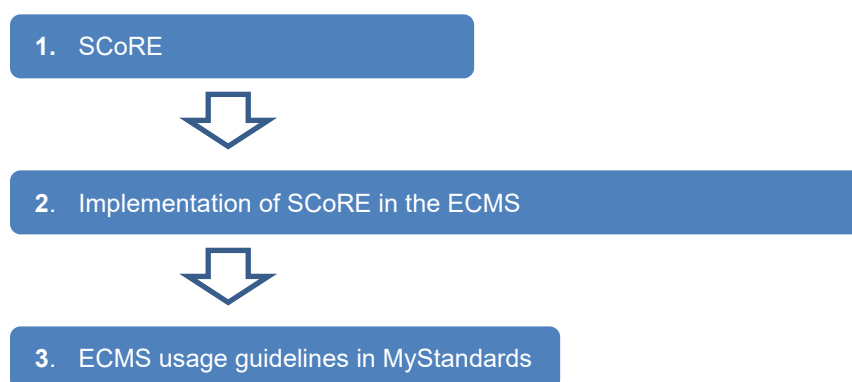
- Securities Settlement messages, which are aligned with the T2S schema file.
- Payments Clearing and Settlement messages and Cash Management messages, which are aligned with the T2-T2S Consolidation schema files.
- Triparty, billing and corporate action messages, which are compliant with SCoRE.

ECMS message usage guidelines are based on

- i. the agreed ISO 20022 standards for T2S and T2-T2S Consolidation and
- ii. the agreed ISO 20022 standards for the messages defined/endorsed in the context of AMI-SeCo collateral management harmonisation.

For ECMS use cases where a message is already used by T2S or Central Liquidity Management (CLM), an approach based on **common message schemas** has been identified as the optimal solution for ECMS actors. Only in exceptional circumstances have pre-existing messages used by other TARGET Services been updated for ECMS-specific purposes, via the change management process involving all relevant stakeholders.

The following diagram illustrates how the ECMS has been made compliant with the collateral harmonisation standards:



The key data elements identified in the SCoRE Reports have been taken into account in the ECMS usage of the message.

SCoRE is implemented in the ECMS in the same way as they are for all other actors. CSDs send the same harmonised messages to ECMS users (i.e. NCBs) and non-ECMS actors (e.g. custodians).

The example below shows how the key data elements for a Corporate Action Instruction Request have been reflected in the ECMS usage of the message (seev.033).

### 1. SCoRE

Table 3: Key Data Elements – CAIN (seev.033)

Name	Description
<b>CA Identifier</b>	Reference identifying the CA event on which the instruction is being sent. Corresponds to the CA Event Identification in the CANO message announcing the CA event
<b>Event Type</b>	Type of corporate action event.
<b>Underlying Security</b>	Security concerned by the corporate action.
<b>Option Number</b>	Identification of the number of the chosen option e.g. 001
<b>Option Type</b>	Identifies the option chosen e.g. CASH, SECU
<b>Securities Account</b>	Account where financial instruments are maintained.
<b>Quantity Instructed</b>	Quantity of securities to which this instruction applies.

### 2. Implementation of SCoRE in the ECMS

The fields identified in SCoRE are also used in the ECMS application, with ECMS-specific names.

Attribute	Description
CA Event Id.	Identifier of the Corporate Action Event given by the ECMS
Event Type	Type of CA Event quoted in the CA Announcement Received
ISIN	Identifier of the asset
Option Number	Identification of the number of the chosen option
Option Type	Specifies the corporate action option chosen by the Counterparty
ECMS Counterparty Asset Account	Identifier of the ECMS Counterparty Asset Account where the Asset is mobilised
Quantity Instructed	Quantity of securities to which this instruction applies

### 3. ECMS usage guidelines in MyStandards

The MyStandards message (see screenshot below) also contains the key data elements of the harmonisation report, together with annotations to clarify the use of these key data elements and other fields of the message.

For example, when a counterparty instructs the ECMS (an **inbound** message from the ECMS perspective), the counterparty completes the securities account field with its ECMS Counterparty Internal Asset Account. In the **outbound** (from an ECMS perspective) message to the CSD, the securities field is completed with an identifier of the relevant CSD account in T2S (i.e. the CSD does not receive information related to the ECMS Counterparty Internal Asset Account).

Name	XML Tag	Mult	Type / Code	Multiplicity Change	Annotation ECMS-Use (<<Notes>>)	Definition
Corporate Action Event Identification	<CorpActEvtId>	[1..1]	text{1,35}		Inbound Message (From Counterparty to ECMS): Identifier of the Corporate Action Event given by the ECMS Outbound message (from ECMS to CSD): Reference assigned by the CSD to the Corporate Action event	Reference assigned by the account servicer to unambiguously identify a corporate action event.
Event Type	<EvtTp>	[1..1]	Choice		Type of CA Event quoted in the CA Announcement Received The code informed must be managed by ECMS	Type of corporate action event.
ISIN	<ISIN>	[0..1]	text [A-Z]{2,2}[A-Z0-9]{9,9}[0-9]{1,1}	[1..1]		International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for
Option Number	<OptnNb>	[1..1]	Choice			Number identifying the available corporate action options.
Safekeeping Account	<SfkgAcct>	[1..1]	text{1,35}		Inbound Message (From Counterparty to ECMS): ECMS Counterparty Asset Account Outbound message (from ECMS to CSD): T2S Securities account	Account where financial instruments are maintained.
Securities Quantity Or Instructed Amount	<SciesQtyOrInstAmt>	[1..1]	Choice		Quantity of securities to which this instruction applies	Provides information about securities quantity linked to a corporate action option.



## 4 Features of ECMS messages in MyStandards

In the MyStandards web application, when viewing attributes related to a particular message, a box provides specific information related to that message. The ECMS uses the elements “Annotation” and “Ignored” to transmit important information to ECMS users.

- The element “**Annotation**” is used to provide a description of the specific ECMS use of the message. It identifies for example whether the reference applies to the flow between the ECMS and an ECMS actor or the internal flow between the ECMS and T2S/CLM. It is also used to indicate that the information provided in a field of an incoming message is Resent as it was provided by the sender in the related outgoing message (e.g. information in a field of an incoming seev.031 from a CSD is resent in the seev.031 that the ECMS sends to a counterparty).
- The element “**Ignored**” is used to specify that the ECMS should ignore the attribute, even if the sender has chosen to populate the field.

The MyStandards web application screenshots below illustrate how the elements “Ignored” and “Annotation” are used in a securities settlement instruction (sese.023).

The screenshot displays the MyStandards web application interface. At the top, there are checkboxes for "View only restricted elements", "Hide removed elements", and "Show xml tags". Below these is a search bar labeled "search message (min 2 chars)". The main content area shows a table of elements for the message "Securities Settlement Transaction Instruction V09 (sese.023.001.09)". The table has columns for "Name", "Min", "Max", and "Restrictions". The "Linkages" element is highlighted in blue.

Name	Min	Max	Restrictions
Securities Settlement Transaction Instruction V09 (sese.023.001.09)			
Transaction Identification	1	1	
Settlement Type And Additional Parameters	1	1	
Number Counts	0	1	
Linkages	0	*	

On the right side, there is a "Linkages" section with a dropdown menu showing "Ignore". A callout box titled "Ignored" contains the text: "sese.023 – Linkages" and "ECMS ignores the element".

*ECMS does not have linkages functionality. Therefore, if the message hold indicator is used by the counterparty, the ECMS ignores this information.*

Name	Min	Max	Restrictions	Annotation
Securities Settlement Transaction Instruction V09 (sese.023.001.09)				
Transaction Identification	1	1		
Settlement Type And Additional Parameters	1	1		
Number Counts	0	1		
Linkages	0	*		
Trade Details	1	1		
Financial Instrument Identification	1	1		
Financial Instrument Attributes	0	1		
Quantity And Account Details	1	1		
Settlement Quantity	1	1		
Denomination Choice	0	1		
Account Owner	0	1		
Safekeeping Account	1	1		
Identification	1	1		

When a counterparty sends a marketable asset (de)mobilisation to the ECMS, the counterparty identifies the ECMS internal asset account (an account of its pool).

Name	Min	Max	Restrictions	Annotation
Securities Settlement Transaction Instruction V09 (sese.023.001.09)				
Transaction Identification	1	1		
Settlement Type And Additional Parameters	1	1		
Number Counts	0	1		
Linkages	0	*		
Trade Details	1	1		
Financial Instrument Identification	1	1		
Financial Instrument Attributes	0	1		
Quantity And Account Details	1	1		
Settlement Quantity	1	1		
Denomination Choice	0	1		
Account Owner	0	1		
Safekeeping Account	1	1		

The annotations also reflect the ECMS business rules applied to the field.

As a general rule, **optional fields** which are not related to ECMS processes are ignored by the ECMS, except for Corporate Action messages from CSDs in which the general rule is to resend them to the counterparties.

For some optional fields relevant for ECMS processes, a validation is defined in order to specify that the use of the field is mandatory for ECMS.

- Example: Delivering/Receiving Settlement parties.  
In ECMS both settlement parties must be informed.

In some exceptional cases, the optional field will be included in the Marketable Asset Settlement Instruction to be sent from ECMS to T2S.

- Example: Common Identification

## 5 Access to the ECMS group in MyStandards

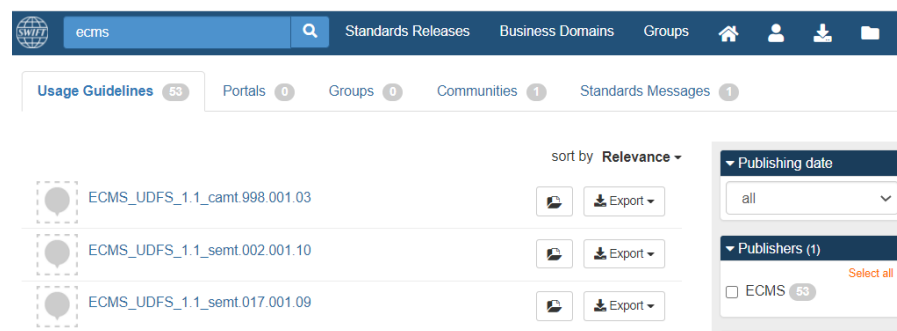
ECMS actors that interact with the ECMS in A2A can request access to the ECMS group in the MyStandards web application.

### MyStandards User Guide

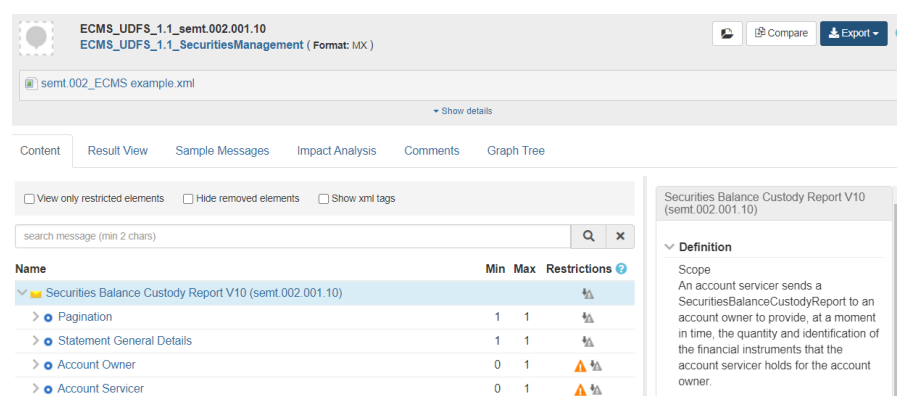
[https://www2.swift.com/knowledgecentre/publications/mystds\\_ug](https://www2.swift.com/knowledgecentre/publications/mystds_ug)

Access to ECMS messages is restricted and must be requested via NCBs.

Once the requestor has been authorised to **access the ECMS community**, a list of ECMS messages can be found by entering, for example, “ecms” in the search function.



The user may select any message. The message is displayed



**Sample messages** are provided in MyStandards for every message.

The explanation of the sample message is provided in the Catalogue of Messages, under the section ***“The message in business context”***.

## 6 List of messages and message flows

The following table summarises the messages by ECMS actor.

Actor	Message category	Remarks
<b>CTPY</b>	<ul style="list-style-type: none"> <li>- Securities Settlement messages, Payments Clearing and Settlement messages, Cash Management messages and Collateral Management messages (subset)</li> <li>- Corporate Action messages</li> <li>- Credit claims XML files</li> <li>- Administration and Header messages</li> </ul>	Credit claims messages are not ISO 20022 messages and are thus not available in the MyStandards application.
<b>CSD</b>	<ul style="list-style-type: none"> <li>- Corporate Action messages</li> <li>- Billing message</li> <li>- Administration and Header messages</li> </ul>	Message standards defined in the SCoRE framework.
<b>TPA</b>	<ul style="list-style-type: none"> <li>- Collateral Management messages</li> <li>- Reference Data messages</li> <li>- Billing message</li> <li>- Administration and Header messages</li> <li>- Corporate Action messages</li> </ul>	Message standards defined in the SCoRE framework.

## 6.1 Corporate action messages

### 6.1.1 List of Corporate Action messages from the Counterparty perspective

Message code	Message name	ECMS actor	Outbound	Inbound
seev.001	Meeting Notification	CSDs CTPYs		X
seev.002	Meeting Cancellation	CSDs CTPYs		X
seev.003	Meeting Entitlement Notification	CSDs CTPYs		X
seev.004	Meeting Instruction	CSDs CTPYs	X	
seev.005	Meeting Instruction Cancellation Request	CSDs CTPYs	X	
seev.006	Meeting Instruction Status	CSDs CTPYs		X
seev.007	Meeting Vote Execution Confirmation	CSDs CTPYs		X
seev.008	Meeting Result Dissemination	CSDs CTPYs		X
seev.031	Corporate Action Notification	CSDs CTPYs		X
seev.032	Corporate Action Event Processing Status Advice Process	CSDs CTPYs		X
seev.033	Corporate Action Instruction	CSDs CTPYs	X	
seev.034	Corporate Action Instruction Status Advice	CSDs CTPYs		X
seev.035	Corporate Action Movement Preliminary Advice	CSDs CTPYs		X
seev.036	Corporate Action Movement Confirmation	CSDs CTPYs		X
seev.037	Corporate Action Reversal Advice	CSDs CTPYs		X
seev.039	Corporate Action Cancellation Advice	CSDs CTPYs		X
seev.040	Corporate Action Instruction Cancellation Request	CSDs CTPYs	X	
seev.041	Corporate Action Instruction Cancellation Request Status Advice	CSDs CTPYs		X
seev.042	Corporate Action Instruction statement Report	CSDs	n/a	n/a

<b>Message code</b>	<b>Message name</b>	<b>ECMS actor</b>	<b>Outbound</b>	<b>Inbound</b>
seev.044	Corporate Action Movement Preliminary Advice Cancellation Advice message	CSDs CTPYs		X

## 6.1.2 List of Corporate Action messages from the CSD perspective

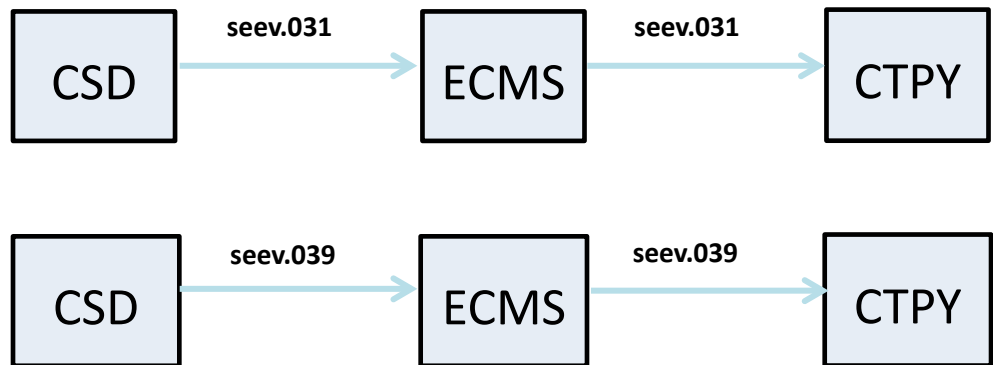
<b>Message code</b>	<b>Message name</b>	<b>ECMS actor</b>	<b>Outbound</b>	<b>Inbound</b>
seev.001	Meeting Notification	CSDs CTPYs	X	
seev.002	Meeting Cancellation	CSDs CTPYs	X	
seev.003	Meeting Entitlement Notification	CSDs CTPYs	X	
seev.004	Meeting Instruction	CSDs CTPYs		X
seev.005	Meeting Instruction Cancellation Request	CSDs CTPYs		X
seev.006	Meeting Instruction Status	CSDs CTPYs	X	
seev.007	Meeting Vote Execution Confirmation	CSDs CTPYs	X	
seev.008	Meeting Result Dissemination	CSDs CTPYs	X	
seev.031	Corporate Action Notification	CSDs CTPYs	X	
seev.032	Corporate Action Event Processing Status Advice Process	CSDs CTPYs	X	
seev.033	Corporate Action Instruction	CSDs CTPYs		X
seev.034	Corporate Action Instruction Status Advice	CSDs CTPYs	X	
seev.035	Corporate Action Movement Preliminary Advice	CSDs CTPYs	X	
seev.036	Corporate Action Movement Confirmation	CSDs CTPYs	X	
seev.037	Corporate Action Reversal Advice	CSDs CTPYs	X	
seev.039	Corporate Action Cancellation Advice	CSDs CTPYs	X	
seev.040	Corporate Action Instruction Cancellation Request	CSDs CTPYs		X
seev.041	Corporate Action Instruction Cancellation Request Status Advice	CSDs CTPYs	X	

Message code	Message name	ECMS actor	Outbound	Inbound
seev.042	Corporate Action Instruction statement Report	CSDs	X	
seev.044	Corporate Action Movement Preliminary Advice Cancellation Advice	CSDs CTPYs	X	

Note: TPAs also use CA messages when processing CA.

### 6.1.3 Messages flows for CAs between ECMS and Counterparties / CSDs

#### 6.1.3.1 CA Announcement activity



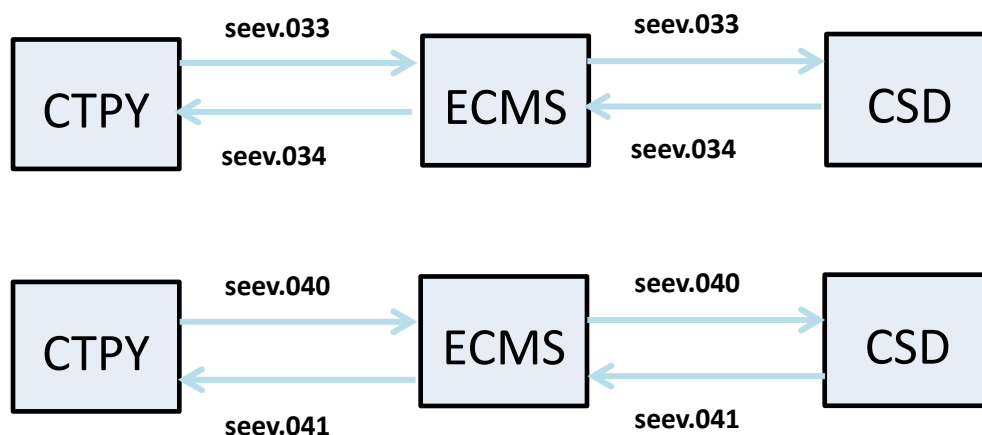
#### Inbound Messages from ECMS perspective

ISO Message	ISO Code	Sent by
Corporate Action Notification (CANO)	seev.031	CSD
Corporate Action Cancellation Advice (CACN)	seev.039	CSD

#### Outbound Messages from ECMS perspective

ISO Message	ISO Code	Sent to
Corporate Action Notification (CANO)	seev.031	CTPY
Corporate Action Cancellation Advice (CACN)	seev.039	CTPY

### 6.1.3.2 CA Instruction activity



#### Inbound Messages from ECMS perspective

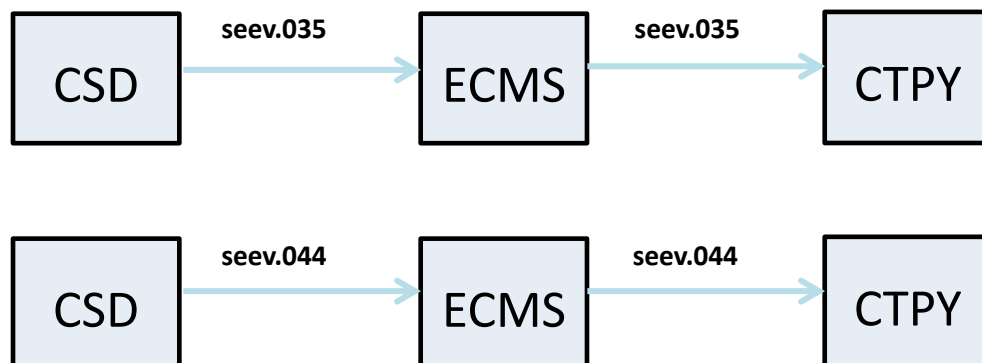
ISO Message	ISO Code	Sent by
Corporate Action Instruction (CAIN)	seev.033	CTPY
Corporate Action Instruction Status Advice (CAIS)	seev.034	CSD
Corporate Action Instruction Cancellation Request (CAIC)	seev.040	CTPY
Corporate Action Instruction Cancellation Request Status Advice (CACS)	seev.041	CSD
Corporate Action Instruction Statement Report (CAST)	seev.042	CSD

#### Outbound Messages from ECMS perspective

ISO Message	ISO Code	Sent to
Corporate Action Instruction (CAIN)	seev.033	CSD
Corporate Action Instruction Status Advice (CAIS)	seev.034	CTPY
Corporate Action Instruction Cancellation Request (CAIC)	seev.040	CSD
Corporate Action Instruction Cancellation Request Status Advice (CACS)	seev.041	CTPY



### 6.1.3.3 CA Advice activity



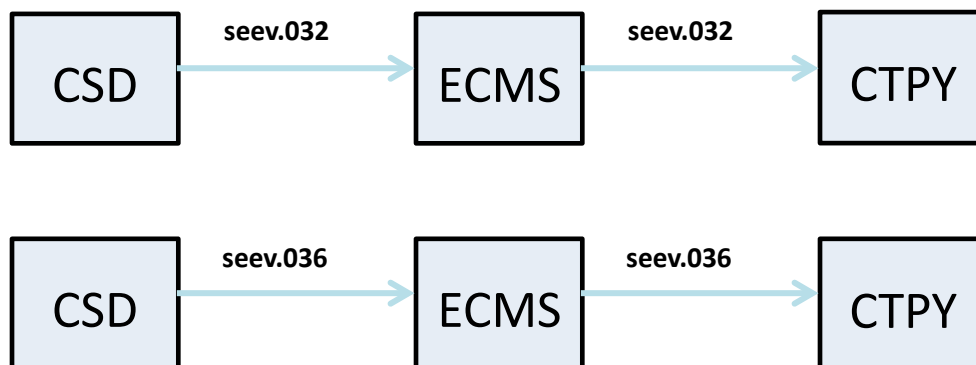
#### Inbound Messages from ECMS perspective

ISO Message	ISO Code	Sent by
Corporate Action Movement Preliminary Advice (CAPA)	seev.035	CSD
Corporate Action Movement Preliminary Advice Cancellation Advice (CAPC)	seev.044	CSD

#### Outbound Messages from ECMS perspective

ISO Message	ISO Code	Sent to
Corporate Action Movement Preliminary Advice (CAPA)	seev.035	CTPY
Corporate Action Movement Preliminary Advice Cancellation Advice (CAPC)	seev.044	CTPY

#### 6.1.3.4 CA Confirmation activity



##### Inbound Messages from ECMS perspective

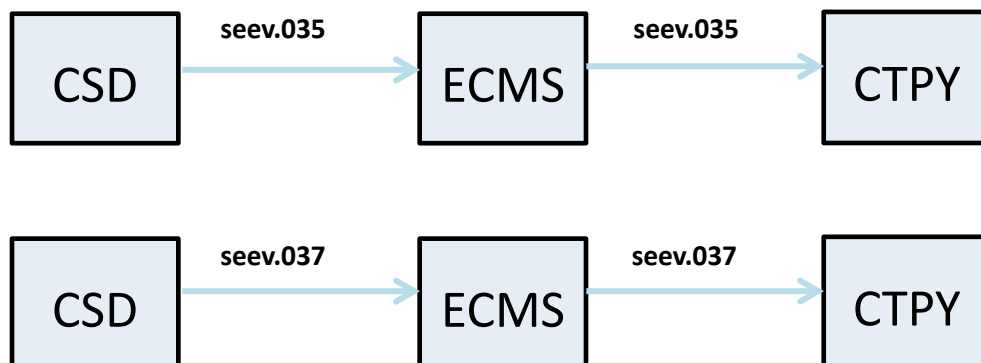
ISO Message	ISO Code	Sent by
Corporate Action Event Processing Status Advice (CAPS)	seev.032	CSD
Corporate Action Movement Confirmation (CACO)	seev.036	CSD

##### Outbound Messages from ECMS perspective

ISO Message	ISO Code	Sent to
Corporate Action Event Processing Status Advice (CAPS)	seev.032	CTPY
Corporate Action Movement Confirmation (CACO)	seev.036	CTPY

Note: In case the CA Event entails cash movement, the ECMS receives from T2S a payment confirmation message. The flow between the ECMS and T2S is not reflected in the diagram.”

#### 6.1.3.5 CA Reversal activity



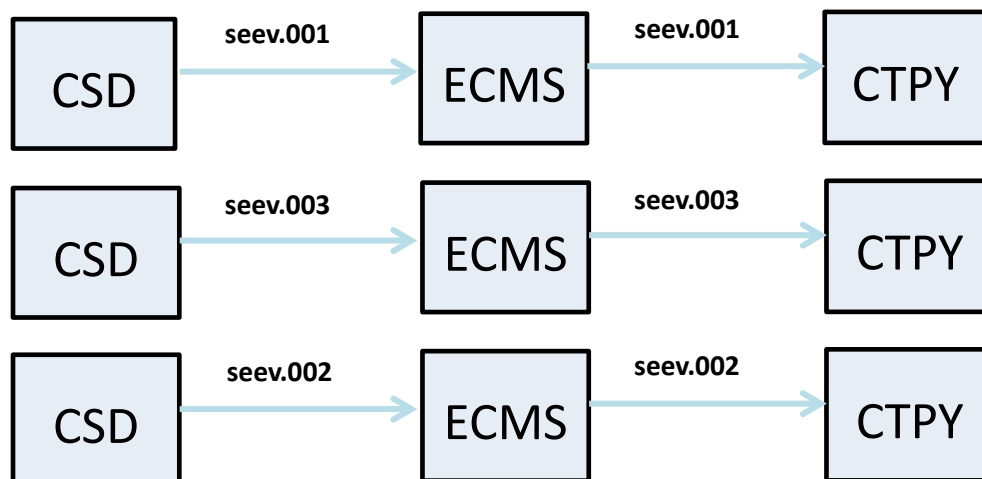
##### Inbound Messages from ECMS perspective

ISO Message	ISO Code	Sent by
Corporate Action Movement Preliminary Advice (CAPA)	seev.035	CSD
Corporate Action Movement Reversal Advice (CARE)	seev.037	CSD

##### Outbound Messages from ECMS perspective

ISO Message	ISO Code	Sent to
Corporate Action Movement Preliminary Advice (CAPA)	seev.035	CTPY
Corporate Action Movement Reversal Advice (CARE)	seev.037	CTPY

#### 6.1.3.6 Meeting Announcement activity



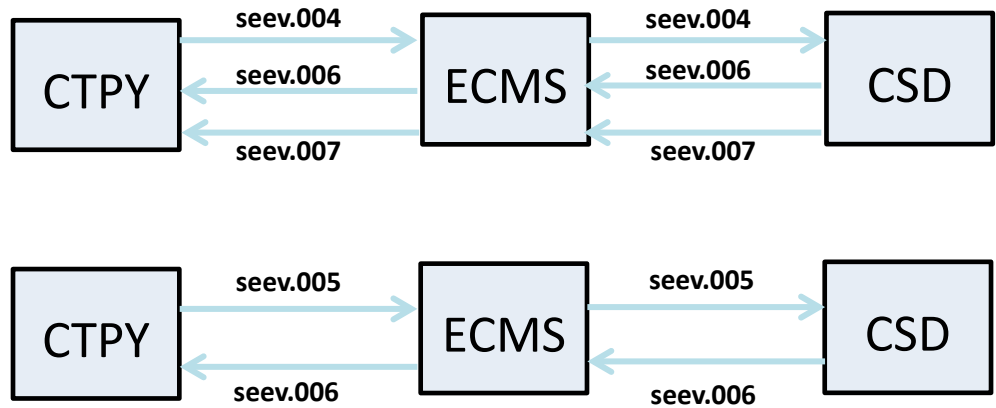
##### Inbound Messages from ECMS perspective

ISO Message	ISO Code	Sent by
Meeting Notification (MENO)	seev.001	CSD
Meeting Cancellation (MECN)	seev.002	CSD
Meeting Entitlement Notification (MENT)	seev.003	CSD

##### Outbound Messages from ECMS perspective

ISO Message	ISO Code	Sent to
Meeting Notification (MENO)	seev.001	CTPY
Meeting Cancellation (MECN)	seev.002	CTPY
Meeting Entitlement Notification (MENT)	seev.003	CTPY

### 6.1.3.7 Meeting Instruction activity



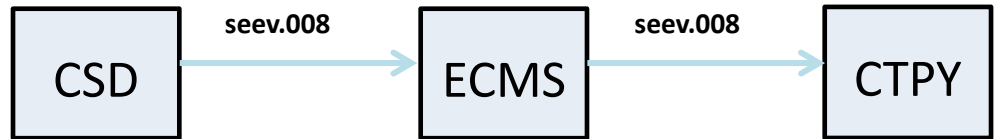
#### Inbound Messages from ECMS perspective

ISO Message	ISO Code	Sent by
Meeting Instruction (MEIN)	seev.004	CTPY
Meeting Instruction Cancellation Request (MEIC)	seev.005	CTPY
Meeting Instruction Status (MEIS)	seev.006	CSD
Meeting Vote Execution Confirmation (MECO)	seev.007	CSD

#### Outbound Messages from ECMS perspective

ISO Message	ISO Code	Sent to
Meeting Instruction (MEIN)	seev.004	CSD
Meeting Instruction Cancellation Request (MEIC)	seev.005	CSD
Meeting Instruction Status (MEIS)	seev.006	CTPY
Meeting Vote Execution Confirmation (MECO)	seev.007	CTPY

#### 6.1.3.8 Meeting Result Dissemination activity



##### Inbound Messages from ECMS perspective

ISO Message	ISO Code	Sent by
Meeting Result Dissemination (MERD)	seev.008	CSD

##### Outbound Messages from ECMS perspective

ISO Message	ISO Code	Sent to
Meeting Result Dissemination (MERD)	seev.008	CTPY

## 6.2 TPA messages for collateral management and reference data

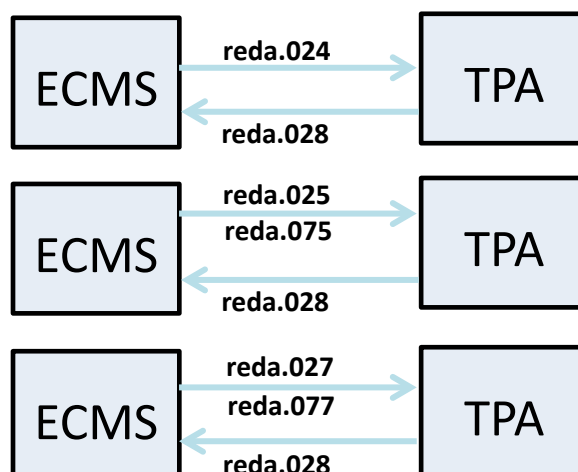
### 6.2.1 List of Triparty Agent messages

Message code	Message name	ECMS actor	Sent to TPAs	Received from TPAs
colr.019	Triparty Collateral Transaction Instruction	TPAs	X	
colr.020	Triparty Collateral Status and Processing Advice	TPAs		X
colr.021	Triparty Collateral Allegement Notification	TPAs		X
colr.022	Triparty Collateral and Exposure Report	TPAs		X
colr.024	Triparty Collateral Allegement Notification Cancellation Request	TPAs		X
reda.074	Triparty Collateral Unilateral Removal Request	TPAs	X	
reda.024	Collateral Value Creation Request	TPAs	X	
reda.025	Eligible Securities Creation Request	TPAs	X	
reda.027	Close Link Creation Request	TPAs	X	
reda.028	Collateral Data Status Advice	TPAs		X
reda.075	Eligible Securities Deletion Request	TPAs	X	
reda.077	Close Link Deletion Request	TPAs	X	
camt.036	Debit Authorisation Response (Approval of Debit)	TPAs	X	

Note: TPAs also use corporate action messages when processing CA.

## 6.2.2 Message flows between the ECMS and TPAs

### 6.2.2.1 Provision of reference data to Triparty Agents



#### Inbound Messages from ECMS perspective

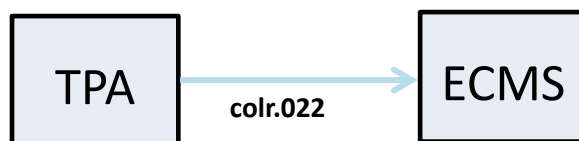
ISO Message	ISO Code	Sent by
Collateral Data Status Advice	reda.028	TPA

#### Outbound Messages from ECMS perspective

ISO Message	ISO Code	Sent to
Collateral Value Creation Request	reda.024	TPA
Eligible Securities Creation Request	reda.025	
Close Link Creation Request	reda.027	
Eligible Securities Deletion Request	reda.075	
Close Link Deletion Request	reda.077	



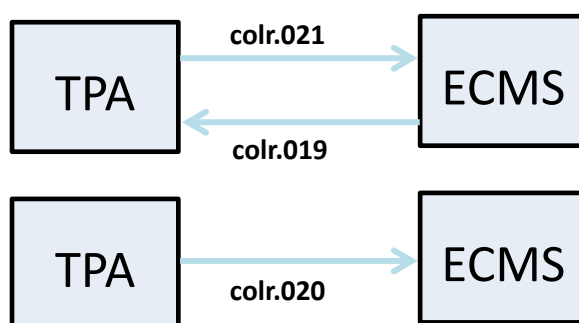
### 6.2.2.2 Reception of Triparty report



**Inbound Messages from ECMS perspective**

ISO Message	ISO Code	Sent by
Triparty Collateral and Exposure Report	colr.022	TPA

### 6.2.2.3 Request to decrease a Triparty Transaction Amount



**Confirmation that Triparty Transaction Amount has been updated.**



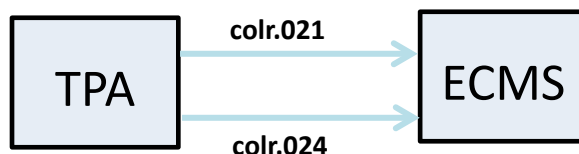
**Inbound Messages from ECMS perspective**

ISO Message	ISO Code	Sent by
Triparty Collateral Allegement Notification	colr.021	TPA
Triparty Collateral Status and Processing Advice	colr.020	TPA
Triparty Collateral and Exposure Report	colr.022	TPA

**Outbound Messages from ECMS perspective**

ISO Message	ISO Code	Sent to
Triparty Collateral Transaction Instruction	colr.019	TPA

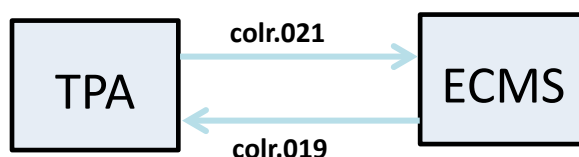
#### 6.2.2.4 Request to cancel a request for decrease of the Triparty Transaction Amount or for closure of the Triparty Transaction



The TPA sends to the ECMS a Triparty Collateral Allegement Notification Cancellation Request message (colr.024) to cancel a request for decrease of the Triparty Transaction Amount.

##### Inbound Messages from ECMS perspective

ISO Message	ISO Code	Sent by
Triparty Collateral Allegement Notification	colr.021	TPA
Triparty Collateral Allegement Notification Cancellation Request	colr.024	TPA



If the TPA has already cancelled (via colr.024) the Triparty Collateral Allegement Notification, the TPA might reject the colr.019 and sends a colr.020 in order to inform of a rejection of a previously requested Transaction Amount decrease (colr.021)



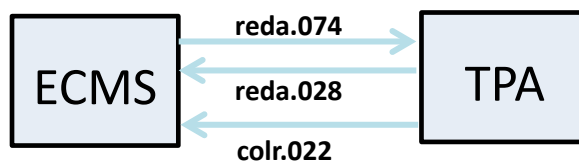
##### Inbound Messages from ECMS perspective

ISO Message	ISO Code	Sent by
Triparty Collateral Allegement Notification	colr.021	TPA
Triparty Collateral Status and Processing Advice	colr.020	TPA

##### Outbound messages from ECMS perspective

ISO Message	ISO Code	Sent to
Triparty Collateral Transaction Instruction	colr.019	TPA

#### 6.2.2.5 Unilateral removal of an asset from a Triparty Transaction



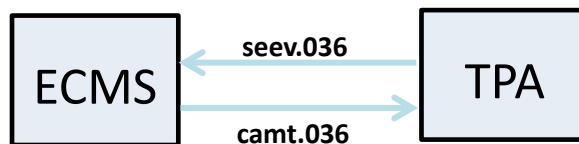
##### Inbound Messages from ECMS perspective

ISO Message	ISO Code	Sent by
Collateral Data Status Advice	reda.028	TPA
Triparty Collateral and Exposure Report	colr.022	TPA

##### Outbound Messages from ECMS perspective

ISO Message	ISO Code	Sent to
Triparty Collateral Unilateral Removal Request	reda.074	TPA

#### 6.2.2.6 Cash proceed of a triparty corporate action



##### Inbound Messages from ECMS perspective

ISO Message	ISO Code	Sent by
Corporate Action Movement Confirmation	seev.036	TPA

Note: the TPA also sends a seev.036 to the collateral giver.

##### Outbound Messages from ECMS perspective

ISO Message	ISO Code	Sent to
Debit Authorisation Response	camt.036	TPA

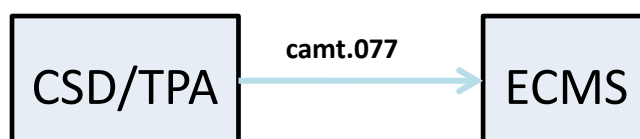
## 6.3 Billing messages

The ECMS receives invoices for NCBs from CSDs and TPAs via a standardised ISO 20022 message (camt.077)<sup>1</sup>.

### 6.3.1 List of billing messages

Message code	Message name	ECMS actor	Sent by CSDs and TPAs
camt.077	Billing Report	CSDs and TPAs	X

### 6.3.2 Message flow between the ECMS and CSDs/TPAs



**Inbound Messages from ECMS perspective**

ISO Message	ISO Code	Sent by
Billing report	camt.077	CSDs and TPAs

<sup>1</sup> The counterparty, if subscription is set up, can receive the ECMS invoice (camt.077) via the Billing module (for more information on the Billing functionalities see UDFS BILL).

## 6.4 Payments Clearing and Settlement messages

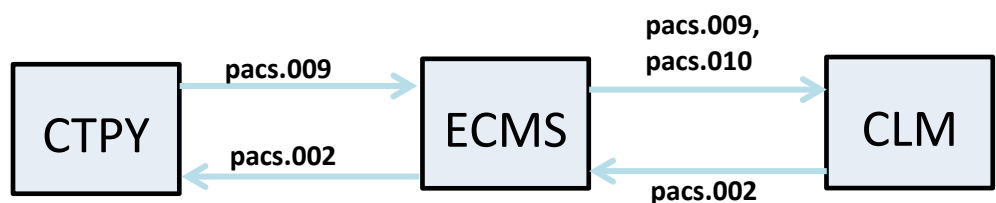
### 6.4.1 List of Payments Clearing and Settlement messages

Message code	Message name	ECMS actor	Outbound (from CTPY perspective)	Inbound (from CTPY perspective)
pacs.002	FItoFIPaymentStatusReport	CTPYs		X
pacs.009	FinancialInstitutionCreditTransfer	CTPYs	X	
pacs.010	FinancialInstitutionDirectDebit	CTPYs	X	
camt.056	FItoFIPaymentCancellationRequest		X	
camt.029	ResolutionOfInvestigation			X

### 6.4.2 Message flows for Payments Clearing and Settlement messages

#### 6.4.2.1 Marginal lending on request

Basic message flow:



The counterparty instructs a marginal lending on request (pacs.009). The counterparty receives a notification for the opening and can consult the Graphical User Interface (U2A) for information on the closing of the marginal lending.

#### Inbound Messages from ECMS perspective

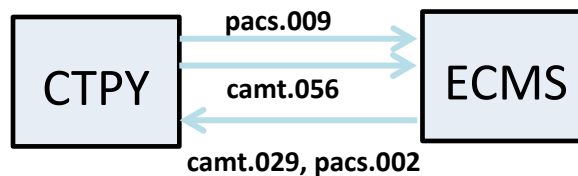
ISO Message	Message Usage	ISO Code	Sent by
FinancialInstitutionCreditTransfer	MLOR opening leg	pacs.009	CTPY
FItoFIPaymentStatusReport	Settled	pacs.002	CLM
FItoFIPaymentStatusReport	Rejected	pacs.002	CLM

#### Outbound Messages from ECMS perspective

ISO Message	Message Usage	ISO Code	Sent to
FItoFIPaymentStatusReport	MLOR Settled	pacs.002	CTPY
FItoFIPaymentStatusReport	MLOR Rejected	pacs.002	CTPY
FinancialInstitutionCreditTransfer	MLOR opening leg	pacs.009	CLM
FinancialInstitutionDirectDebit	MLOR closing leg	pacs.010	CLM

#### 6.4.2.2 Cancellation of Marginal lending on request

The counterparties may request the cancellation of a previously sent marginal lending on request, if the instruction has not been sent to CLM yet.



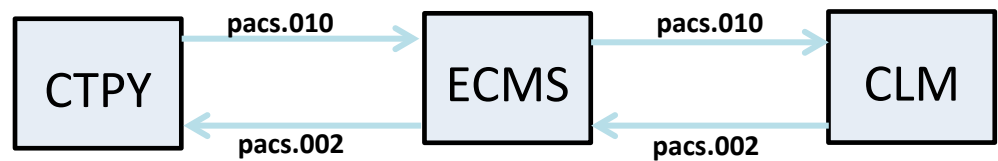
#### Inbound Messages from ECMS perspective

ISO Message	Message Usage	ISO Code	Sent by
FinancialInstitutionCreditTransfer	MLOR opening leg	pacs.009	CTPY
FItoFIPaymentCancellationRequest	Cancellation	camt.056	CTPY

#### Outbound Messages from ECMS perspective

ISO Message	Message Usage	ISO Code	Sent to
ResolutionOfInvestigation	Revocation rejection (Rejected)	camt.029	CTPY
ResolutionOfInvestigation	Revocation execution (Cancelled)	camt.029	CTPY
FItoFIPaymentStatusReport	MLOR rejected (if revocation is executed)	pacs.002	CTPY

#### 6.4.2.3 Message flows for cash as collateral



##### Inbound Messages from ECMS perspective

ISO Message	Message Usage	ISO Code	Sent by
FinancialInstitutionDirectDebit	Cash Collateral Mobilisation	pacs.010	CTPY
FItoFIPaymentStatusReport	Confirmed	pacs.002	CLM
FItoFIPaymentStatusReport	Rejected	pacs.002	CLM

##### Outbound Messages from ECMS perspective

ISO Message	Message Usage	ISO Code	Sent to
FItoFIPaymentStatusReport	Cash Mobilisation Status Advice Accepted	pacs.002	CTPY
FItoFIPaymentStatusReport	Cash Mobilisation Status Advice Rejected	pacs.002	CTPY
FItoFIPaymentStatusReport	Cash Mobilisation Status Advice Confirmed	pacs.002	CTPY
FinancialInstitutionDirectDebit	-	pacs.010	CLM

Note: Cash collateralisation demobilisation request not reflected but it follows a similar flow. Cash collateralisation demobilisation request is instructed with a pacs.009 and pacs.002 notifying about the status of the instruction are sent to the counterparty.



## 6.5 Collateral management messages for counterparties

### 6.5.1 List of Collateral management messages for counterparties

Message code	Message name	ECMS actor	Outbound (from CTPY perspective)	Inbound (from CTPY perspective)
colr.003	Margin Call Request	CTPYs		X
admi.005	Report Query Request	CTPYs	X	
colr.016	Pool Position Report	CTPYs		X

### 6.5.2 Message flows for Collateral management for counterparties

#### 6.5.2.1 Margin call request



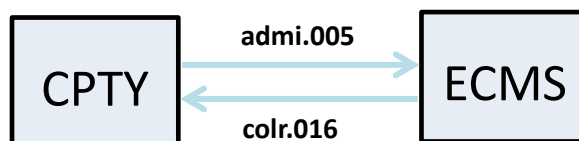
The Margin Call Request (colr.003) message is sent by ECMS to a Counterparty to request additional collateral (assets or cash) to cover the collateral insufficiency detected in its pool in the ECMS.

#### Outbound Messages from ECMS perspective

ISO Message	ISO Code	Sent to
Margin Call Request	colr.003	CTPY

The Margin call Request can be used to indicate that the margin call is issued and that margin call is updated

### 6.5.2.2 Pool position report



Counterparties use the report query (admi.005) to receive the Pool Position Report (colr.016). This report contains the pool position of a given counterparty pool for the current or a previous date.

#### Inbound Messages from ECMS perspective

ISO Message	ISO Code	Sent by
Report Query Request	admi.005	CTPY

#### Outbound Messages from ECMS perspective

ISO Message	ISO Code	Sent to
Pool Position Report	colr.016	CTPY

## 6.6 Cash management messages

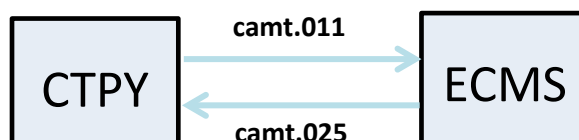
### 6.6.1 List of Cash management messages

Message code	Message name	ECMS actor	Outbound (from CPTY perspective)	Inbound (from CPTY perspective)
camt.011	ModifyLimit	CTPYs	X	
camt.025	Receipt	CTPYs		X
camt.998	ProprietaryMessage	CTPYs	X	

## 6.6.2 Message flows for Cash management messages for counterparties

### 6.6.2.1 Update of the maximum credit line

Note: the update of the maximum credit line may trigger the sending of a new credit line from the ECMS to CLM. The flow between the ECMS and CLM is not reflected in the diagram.



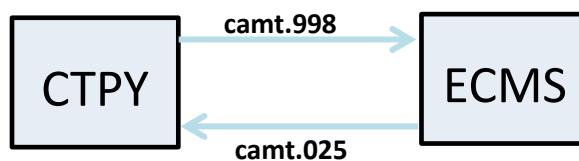
#### Inbound Messages from ECMS perspective

ISO Message	Message Usage	ISO Code	Sent by
ModifyLimit	Maximum CL (Creates/Removes or Updates)	camt.011	CTPY

#### Outbound Messages from ECMS perspective

ISO Message	Message Usage	ISO Code	Sent to
Receipt	Settled	camt.025	CTPY
Receipt	Rejected	camt.025	CTPY

### 6.6.2.2 Message flows for updating a credit freezing



#### Inbound Messages from ECMS perspective

ISO Message	Message Usage	ISO Code	Sent by
ProprietaryMessage	Update a credit freezing (Creates/Removes or Updates)	camt.998	CTPY

#### Outbound Messages from ECMS perspective

ISO Message	Message Usage	ISO Code	Sent to
Receipt	Settled	camt.025	CTPY
Receipt	Rejected	camt.025	CTPY

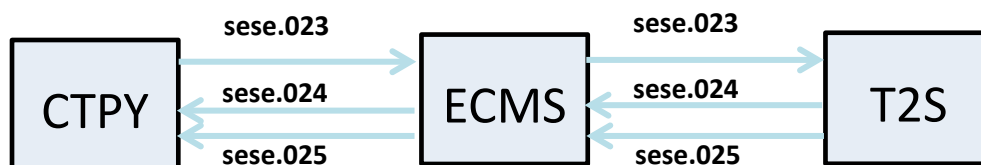
## 6.7 Securities Settlement messages

### 6.7.1 List of Securities Settlement messages

Message code	Message name	ECMS actor	Outbound (from CTPY perspective)	Inbound (from CTPY perspective)
sese.020	Securities Transaction Cancellation Request	CTPYs	X	
sese.023	Securities Settlement Transaction Instruction	CTPYs	X	
sese.024	Securities Settlement Transaction Status Advice	CTPYs		X
sese.025	Securities Settlement Transaction Confirmation	CTPYs		X
sese.027	Securities Transaction Cancellation Request Status Advice	CTPYs		X

## 6.7.2 Message flows for Securities Settlement messages

### 6.7.2.1 Marketable asset (de)mobilisation



The message usage and message flows are the same for marketable asset **mobilisation** instructions and marketable asset **demobilisation** instructions.

Marketable asset (de)mobilisation instructions in the ECMS are linked to settlement instructions in T2S but the content of the message is different. Marketable asset (de)mobilisations affect the account of the counterparty in the ECMS pool, while settlement instructions affect the securities account in T2S.

The message usage is therefore different when the ECMS interacts with T2S. The ECMS receives notifications from T2S on the settlement process of the settlement instruction sent to T2S (e.g. matching, settlement failures...), while the counterparty receives notifications on the status of the marketable asset (de)mobilisation instructions sent to the ECMS.

Example: **Confirmed** means that the instructed assets were (de)mobilised and the related collateral pool value / credit line were updated.

#### Messages from counterparty's perspective

ISO Message	Message Usage	ISO Code	Sent by	Received by
Securities Settlement Transaction Instruction	-	sese.023	CTPY	ECMS
Securities Settlement Transaction Status Advice	Validated	sese.024	ECMS	CTPY
Securities Settlement Transaction Status Advice	Rejected	sese.024	ECMS	CTPY
Securities Settlement Transaction Status Advice	Matched	sese.024	ECMS	CTPY
Securities Settlement Transaction Status Advice	Cancelled	sese.024	ECMS	CTPY
Securities Settlement Transaction Confirmation	Confirmed	sese.025	ECMS	CTPY

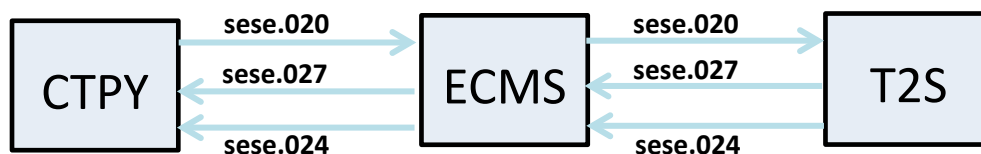
### Inbound Messages from ECMS perspective

ISO Message	Message Usage	ISO Code	Sent by
Securities Settlement Transaction Instruction	-	sese.023	CTPY
Securities Settlement Transaction Status Advice	Accepted	sese.024	T2S
Securities Settlement Transaction Status Advice	Rejected	sese.024	T2S
Securities Settlement Transaction Status Advice	Matched	sese.024	T2S
Securities Settlement Transaction Status Advice	Cancelled	sese.024	T2S
Securities Settlement Transaction Status Advice	Other s usages (such as Eligibility Failure)	sese.024	T2S
Securities Settlement Transaction Confirmation	Full Settlement	sese.025	T2S

### Outbound Messages from ECMS perspective

ISO Message	Message Usage	ISO Code	Sent to
Securities Settlement Transaction Instruction	-	sese.023	T2S
Securities Settlement Transaction Status Advice	Validated	sese.024	CTPY
Securities Settlement Transaction Status Advice	Rejected	sese.024	CTPY
Securities Settlement Transaction Status Advice	Matched	sese.024	CTPY
Securities Settlement Transaction Status Advice	Cancelled	sese.024	CTPY
Securities Settlement Transaction Confirmation	Confirmed	sese.025	CTPY

### 6.7.2.2 Cancellation of a marketable asset (de)mobilisation



The reasoning explained above for marketable asset (de)mobilisations also applies to cancellation requests related to marketable asset (de)mobilisations. The ECMS interacts with both the counterparty and T2S.

Only the flows of the counterparty are reflected below.

#### Messages from counterparty's perspective

ISO Message	Message Usage	ISO Code	Sent by	Received by
Securities Transaction Cancellation Request	-	sese.020	CTPY	ECMS
Securities Transaction Cancellation Request Status Advice	Acknowledged Accepted	sese.027	ECMS	CTPY
Securities Transaction Cancellation Request Status Advice	Pending cancellation	sese.027	ECMS	CTPY
Securities Transaction Cancellation Request Status Advice	Rejected	sese.027	ECMS	CTPY
Securities Transaction Cancellation Request Status Advice	Denied	sese.027	ECMS	CTPY
Securities Settlement Transaction Status Advice	Cancelled	sese.024	ECMS	CTPY



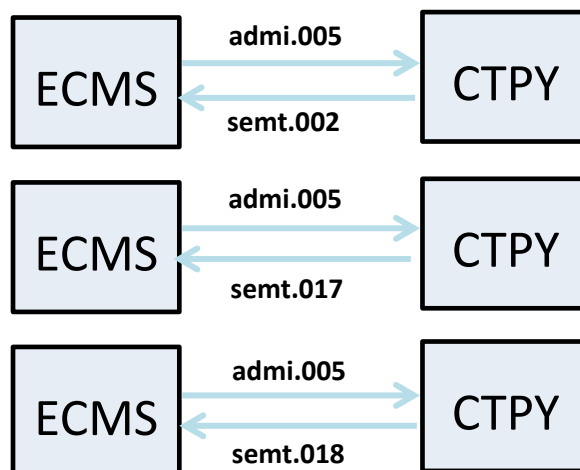
## 6.8 Securities Management messages

These messages are the statement of holdings, statement of transactions and statement of pending transactions

### 6.8.1 List of Securities Management messages

Message code	Message name	ECMS actor	Outbound (from CTPY perspective)	Inbound (from CTPY perspective)
semt.002	Securities Balance Custody Report	CTPYs		X
semt.017	Securities Transaction Posting Report	CTPYs		X
semt.018	Securities Transaction Pending Report	CTPYs		X
admi.005	Report Query Request	CTPYs	X	

## 6.8.2 Message flows for Securities Management for counterparties



Counterparties use the report query to receive the report data of a specific report type (semt.002, semt.017, semt.018) for the current or past date.

### Inbound Messages from ECMS perspective

ISO Message	ISO Code	Sent by
Report Query Request	admi.005	CTPY

### Outbound Messages from ECMS perspective

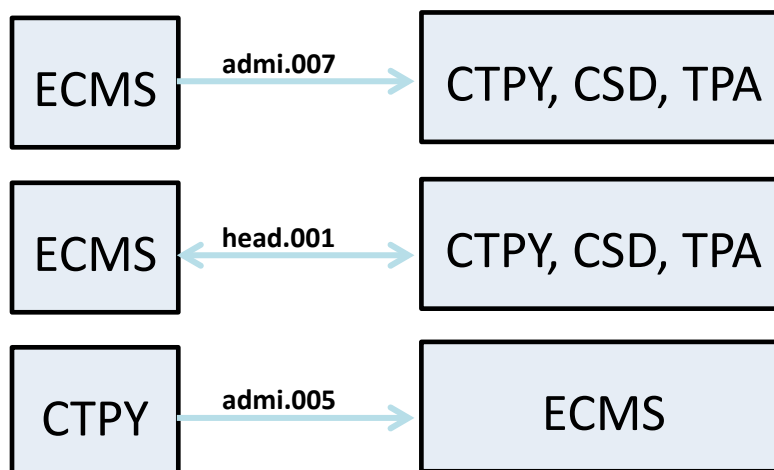
ISO Message	ISO Code	Sent to
Securities Balance Custody Report (Statement of holdings)	semt.002	CTPY
Securities Transaction Posting Report (Statement of transactions)	semt.017	CTPY
Securities Transaction Pending Report (Statement of pending instructions)	semt.018	CTPY

## 6.9 Administration and Header messages

### 6.9.1 List of Administration and Header messages

Message code	Message name	ECMS actor	Outbound (from actor's perspective)	Inbound (from actor's perspective)
admi.005	Report Query Request	CTPYs	X	
admi.007	Receipt Acknowledgement	CTPYs CSDs TPAs		X
head.001	Business Application Header	CTPYs CSDs TPAs	X	X

### 6.9.2 Flows for Administration and Header messages



ISO Message	ISO Code	Sent to	Sent by
ReportQueryRequest	admi.005	ECMS	CTPY
ReceiptAcknowledgement	admi.007	CTPY, CSD, TPA	ECMS

ISO Message	ISO Code	Sent to	Sent by
BusinessApplicationHeader	head.001	CTPY, CSD, TPA (from ECMS)	CTPY, CSD, TPA (to ECMS)

The **ReportQueryRequest** (admi.005) is sent by a NCB or a counterparty to request a report type.

The **ReceiptAcknowledgement** (admi.007) is an outbound message generated by ECMS and sent to the sender of a previous inbound message (e.g. invalid schema of a sese.023 or a camt.998) in the following message usages:

- Negative Receipt Acknowledgement
- Rejection Notification
- Query Response Error

The **Business Application Header** (head.001) is part of each business message (inbound or outbound) exchanged between ECMS actors (CTPYs, CSDs, TPAs) and the ECMS

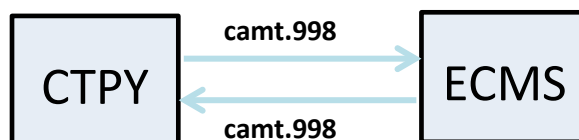
## 6.10 Credit claims

Credit claim files are encapsulated in camt.998 messages: as those files are not ISO 20022 messages, they are consequently not available in the MyStandards web application. Schema files and related documentation are available to counterparties in the ECMS website.

### 6.10.1 List of Credit Claims messages

Message code	Message name	ECMS actor	Outbound (from CTPY perspective)	Inbound (from CTPY perspective)
camt.998	Credit Claims File	CTPYs	X	
camt.998	Credit Claims File Processing Report	CTPYs		X

### 6.10.2 Messages flows for CCs between Counterparties and ECMS



#### Inbound Messages from ECMS perspective

Non ISO Message	ISO Code	Sent by
Credit Claims File	camt.998	CTPY

#### Outbound Messages from ECMS perspective

ISO Message	ISO Code	Sent to
Credit Claims File Processing Report	camt.998	CTPY



## 7 List of abbreviations

<b>A2A</b>	Application-to-Application
<b>AMI-SeCo</b>	Advisory Group on Market Infrastructures for Securities and Collateral
<b>BDD</b>	Business Description Document
<b>CA</b>	Corporate Action
<b>CLM</b>	Central Liquidity Management
<b>CTPY</b>	Counterparty
<b>CSD</b>	Central Securities Depository
<b>ECB</b>	European Central Bank
<b>ECMS</b>	Eurosystem Collateral Management System
<b>NCB</b>	National Central Bank
<b>SCoRE</b>	Single Collateral Management Rulebook for Europe
<b>T2S</b>	TARGET-2 Securities
<b>TPA</b>	Triparty Agent
<b>U2A</b>	User-to-Application