

General Information (Origin of Request)		
<input type="checkbox"/> User Requirements (URD) <input checked="" type="checkbox"/> Other User Functional or Technical Documentation (SYS)		
Request raised by: 4CB	Institute: 4CB	Date raised: 15/10/2014
Request title: Response handling for queued queries		Request ref. no: T2S 0478 SYS
Request type: Common	Urgency: Fast-track	
1. Legal/business importance parameter: Medium	2. Market implementation efforts parameter: Low	
3. Operational/Technical risk parameter: Low	4. Financial impact parameter: No cost impact	
Requestor Category: 4CB	Status: Authorised at Steering level	

Reason for change and expected benefits/business motivation:

There is a current mismatch between the UDFS and the actual implementation, which is valid for all query response messages. Following UDFS the business rule IICQ001¹ applies when queries have to be queued due to night-time settlement or maintenance window. The corresponding output-message for this business rule mentioned in the UDFS is "any query response message"(e.g. if query message is camt.003 (Get Account), a camt.004 (Return Account) is expected to be sent). With the actual implementation (not in line with the specification) the system sends out an admi.007 (Receipt Acknowledgement) with the error text "The Query is queued due to maintenance window or night-time settlement".

The option to modify the respective query response messages, so that they include a four digit error code, e.g. I001 or others, in case of a queuing situation, was not valid, as not all corresponding ISO 20022 messages do support this response handling. Therefore from functional perspective and to harmonise and simplify the process in case of this error T2S should send only one kind of response message (an admi.007) instead of different query responses with diverging error codes for the same kind of error that would depend on the query input message.

Description of requested change:

In the relevant chapters the information that in case of a query queuing situation the respective ISO message is sent has to be changed to reflect that an admi.007 (Receipt Acknowledgement) is sent. The description of the admi.007 has to be changed to introduce the new message usage "Query Queuing Information". Furthermore the admi.007 has to be added as corresponding reply message to the business rule IICQ001 along with a new reason code I001.

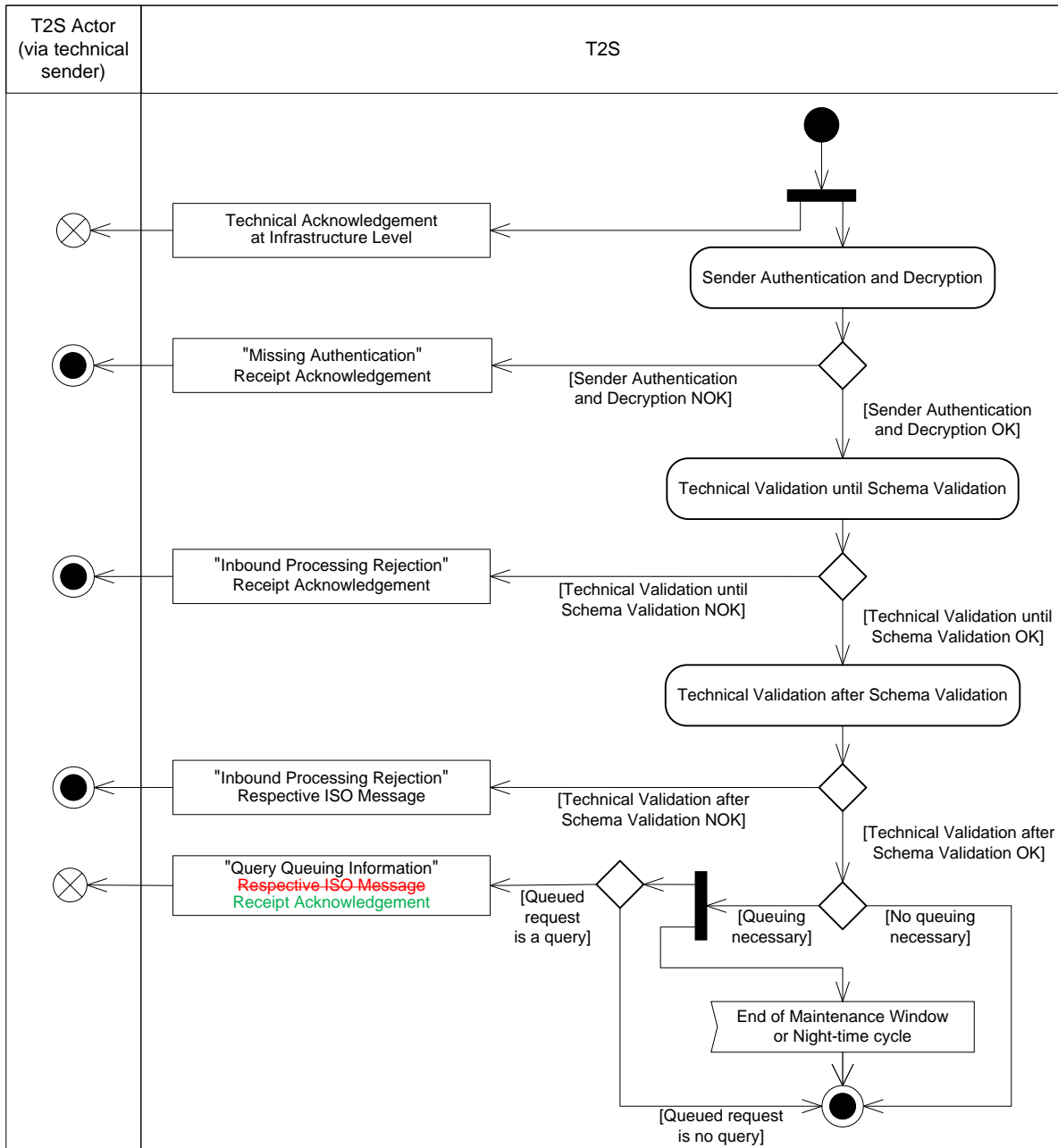
Submitted annexes / related documents:

¹ IICQ001: If a query has to be queued due to maintenance window or night-time settlement, then the real-time communication has to be finalised and the query response will be sent out after successful execution.

Proposed wording for the Change request:

Chapter 2.2 Communication processing p. 722

The section "2.2.2 Activity Diagram" has to be updated in order to update the flow from ""Query Queuing Information" Respective ISO Message" to ""Query Queuing Information" Receipt Acknowledgement"



Chapter 2.2.2.3 Technical Validation p. 723 f.

[Queued Request is a Query]: In this case the real-time communication is closed by sending a “Query Queuing Information” ~~Respective ISO Message~~ ReceiptAcknowledgement to the T2S System User (to avoid real-time timeout) and the A2A request is queued. The processing is resuming when the “End of Maintenance Window or Night-time cycle” occurs.

Chapter 2.2.3.2 Outbound Message p. 724 f.

ISO MESSAGE / MESSAGE USAGE

~~Respective ISO Message~~ ReceiptAcknowledgement / “Query Queuing Information”

ISO CODE

~~Respective ISO code~~ admi.007.001.01

Chapter 3.3.2.3 ReceiptAcknowledgementV01 (admi.007.001.01) p. 910

Chapter 3.3.2.3.1 Overview and scope of the message p. 910

Within T2S this message is generated after a negative authentication process. It can be also sent as an error reporting response to a report query or resend request and as a validation result notification to a resend request.

This message is sent by T2S in the following message usages:

- Missing Authentication; (without BAH);
- Inbound Processing Rejections;
- RejectionResend;
- Validation Result Resend.
- Oversize and timeout
- Report Detail Query Response
- Query Queuing Information

These message usages and cases are described in the chapter "The message in business context".

In case the following Business scenario occur, the ReceiptAcknowledgement is sent by T2S without BAH:

- The file does not contain at least one individual message (IIFV002),
- The file is not valid according to the XML schema (IIFV001),
- The file was already processed. The file was sent twice by the same sender or the reference number of the file was used before (IIFV007),
- A message is not supported by T2S (IIMS001),
- A message structure is not valid to the schema of the defined message (IIMS002),
- The file is not delivered via store and forward network service (IIFV008).

Chapter 3.3.2.3.3 The message in business context p. 911 ff.

(After section “Message usage: Report Detail Query Response”) *Message usage: Query Queuing Information*

The ReceiptAcknowledgement message is used to inform the T2S Actor (Sender) about the queuing of a query due to night-time settlement or maintenance window.

Specific message requirements

<u>MESSAGE ITEM</u>	<u>DATA TYPE / CODE</u>	<u>UTILISATION</u>
<u>Reference</u> <u>Document/RctAck/Rpt/RltdRef/Ref</u>	<u>RestrictedFINXMax16Text</u>	<u>MsgId of the incoming message this ReceiptAcknowledgement is sent for</u>
<u>StatusCode</u> <u>Document/RctAck/Rpt/ReqHdlg/StsCd</u>	<u>Max4AlphaNumericText</u>	<u>Status code "I001"</u>
<u>Description</u> <u>Document/RctAck/Rpt/ReqHdlg/Desc</u>	<u>RestrictedFINXMax140Text</u>	<u>Textual description of the error specified in the status code field</u>

Message usage example: Query Queuing Information

In this example a Receipt Acknowledgement “Query Queuing Information” message to the corresponding party is sent, because T2S is in night-time settlement and the query has to be queued.

The file contains a message with the sample data.

Chapter 4.1 Index of Business Rules and Error Codes p. 1369

BR NAME	DESCRIPTION	INBOUND MESSAGE	REPLY MESSAGE	CODE USE	REASON CODE	ERROR TEXT
IICQ001	If a query has to be queued due to maintenance window or night-time settlement, then the real-time communication has to be finalised and the query response will be sent out after successful execution.	any query message	any query response message admi.007		1001	The Query is queued due to maintenance window or night-time settlement.

High level description of Impact:

To align the UDFS to the current implementation, the description of the admi.007 has to be changed along with chapters 2.2 Communication processing, 3.3.2.3 ReceiptAcknowledgementV01 and Appendix 4.1. The admi.007 has to be added as corresponding outbound message.

Outcome/Decisions:

- * CRG Meeting of 24 October 2014: The CRG recommended the approval of the Change Request.
- * Advisory Group’s advice on 4 November 2014: Following a written procedure, the AG was in favour of the Change Request.
- * CSG resolution on 7 November 2014: Following a written procedure, the CSG adopted the resolution to approve the Change Request.