What's New in

Payments

April 2022

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|Release Highlights

Payments

Germany » German Bundesbank RPSSCL Clearing

This functionality allows banks to manage any new rulebook regulatory changes published by the clearing in the Temenos Payments Hub (TPH).

New configuration records have been released to support the RPS SEPA Clearer (RPSSCL) changes.

The `PAYMENT.ORDER,RPSSCL.INPUT` version has been created to allow users to initiate RPSSCL payments.

> **The topic related to this feature is given below:**
>
> German Bundesbank RPSSCL Clearing

Hong Kong » E-Cheque Settlement Entries and Inward Return File Processing

A cheque is an established and common payment instrument in Hong Kong. Because of the increasing popularity of internet banking, Hong Kong Monetary Authority (HKMA) and the banking sector plan to introduce e-cheque as an alternative payment method. E-cheque is an electronic counterpart of a paper cheque. It will be issued by a paying bank according to a payer's instruction and presented in the format and manner specified in the Clearing House Rules of Hong Kong Interbank Clearing Limited (HKICL).

This functionality allows banks to process the outgoing e-cheques from HKICL.

New configuration records have been released as part of this functionality to support the outward e-cheque clearing.

India » NEFT Clearing

This functionality provides banks with the ability to upload the participant directory for India NEFT processing service and to check the reachability for the participants from TPH.

The India NEFT participant directory has been implemented in TPH using the standard file upload framework that is currently employed for the other clearing directories.

This has been achieved by configuring the application and the India NEFT participant directory specific loading API which will fetch the values from xml file and upload them in the NEFT clearing directories for the given Indian Financial System Code (IFSC).

For the outgoing payments, clearing can send reject payments as N03 (single/bulk). When receiving the N03 message, the original transaction will be reversed and a new settlement transaction will be created and updated to the completed status.

In case of a negative response for a N10 message, the user is able to regenerate the N10 message.

Banks can process reject payments as N03 (single/bulk). When receiving the N03 message, the original transaction will be reversed and a new settlement transaction will be created and updated to the completed status. If the reject code of the N03 message is equal to any of the below reason code, TPH will treat N03 as a reschedule message and no action will be taken:

TPH receives N02s for a batch in a single session. Each N02 has multiple CT payments. TPH receives the N04 EOB report message from clearing for the entire N02s received for that batch. On reception of the N04 EOB, the system will check to see for which batch the N04 is received. The system will identify the corresponding record and cross check the total amount and count of the

entire CT in N04 with the total amount and count of batch. If there is a mismatch, all the payments in the corresponding batch will not be processed and remain in the 235 status.

The topic related to this feature is given below:

NEFT Clearing

India » RTGS Clearing

This functionality provides banks with the ability to upload the participant directory for India NEFT processing service and to check the reachability for the participants from TPH.

The India NEFT participant directory has been implemented in TPH using the standard Temenos Transact file upload framework that is currently employed for the other clearing directories.

This has been achieved by configuring the Temenos Transact application and the India NEFT participant directory specific loading API which will fetch the values from xml file and upload them in the NEFT clearing directories for the given Indian Financial System Code (IFSC).

For all the pacs.008, pacs.009 and pacs.004 sent to clearing, clearing will send the pacs.002 payment status report to the debtor bank.

For outward messages (pacs.008 or pacs.009) sent out by the bank, if the beneficiary bank is able to process the payment successfully, the beneficiary bank will send a credit confirmation message. On receipt of the camt.059 message the audit trial of the payment will be updated.

For inward payments, when the incoming payments (pacs.008 or pacs.009) are received and processed successful, TPH will generate an outgoing camt.059 message with the credit details.

For an outward pacs.004, when a positive acknowledgement is received from clearing, the original incoming payment is moved to the 996 status and the outward return payment will be moved to the 999 completed status

When a negative acknowledgement is received from clearing, the original incoming payment is moved to the 996 status and the outward return transaction is moved to the 998 status and a new reject transaction is created and moved to the 999 status.

> **The topic related to this feature is given below:**
>
> RTGS Clearing

Netherlands » Equens Instant 2021 Rule Book Changes

The rulebook change functionality introduces the following changes:

- Process an inward and outward bank cancellation request with reason code as FRAD within 13 months from the execution date of the original instant credit transfer. The cancellation acceptance period for other bank cancellation reason codes (TECH or DUPL) remains unchanged at 10 business days.
- The Additional Information tag of camt.029 instant recall negative response has been updated to mandatory and the multiplicity has been increased to 13.
- A new purpose code (RRTP) has been published in the Equens rule book to link RTPs with instant payments. The Purpose/Code field in the instant transaction (pacs.008) is populated with a new ISO Code (RRTP) to indicate that the transaction is for a preceding RTP to help in reconciliation of payments at both the ordering and the beneficiary end.

> **The topic related to this feature is given below:**
>
> Equens Instant 2021 Rule Book Changes

Netherlands » Equens SEPA 2021 CT-DD Rule Book Changes

Equens is the central clearing institute for retail payments. The bank can use this setup to promote and maintain efficient payment processing and reliable payment system. Temenos offers pan-European market coverage (due to clients and partnerships in many European countries) for payment processing from offices in four countries, such as Netherlands, Germany, Italy and Finland.

This functionality covers the SEPA 2021 Rule Book updates for Equens CT and DD. New configurations have been released as part of this functionality.

> **The topic related to this feature is given below:**
>
> Equens SEPA 2021 CT-DD Rule Book Changes

Temenos Payments » Compliance with Q3 2021 SWIFT CBPR+ Specification for External Codes, and Payment Reject and Return Reason Codes

Temenos Payments supports processing of SWIFT cross-border payments in CBPR+ MX format (ISO20022).

Temenos Payments provides multiple screens to capture and repair and process outgoing, redirected and incoming customer and bank transfer payments, which could result into a cross-border (SWIFT CBPR+) or ISO20022 based RTGS payment (TARGET2 MX, CHAPS MX and so on) based on the product and routing configurations.

Temenos Payments also supports processing of pacs.002 reject and pacs.004 return for SWIFT CBPR+ payments. When the user returns or rejects an incoming CBPR+ payment, the system provides an option to select a valid reason code.

In compliance with Q3 2021 SWIFT CBPR+ specifications, Temenos Payments is now enhanced with the following features:

- The following records in the `PI.ISO.EXTERNAL.CODE` table are updated with the codes available in ExternalCodeSets_2Q2021_v2.xlsx
    - Service Level Code
    - Local Instrument Code
    - Category Purpose Code
    - Transaction Purpose Code
    - Organisation Other Identification Scheme Code
    - Private Other Identification Scheme Code
    - Clearing System Identification
    - Referred Document Type Identification
- Records with 'SWIFTMX' Clearing ID and 'RT' Clearing Transaction Type in the `PP.CLEARING.RETURNCODE` table are updated as per the latest return reason codes.
- Records with 'SWIFTMX' Clearing ID and 'RJ' Clearing Transaction Type in the `PP.CLEARING.RETURNCODE` table are updated as per the latest reject reason codes.
- The PP-FINTOISO record in the `PI.ERROR.REASON.CODE` table is updated as per the latest MT to MX return reason code mapping.

The topics related to this feature are given below:

Pre-configured SWIFT MX Return and Reject Reason Codes

Pre-configured ISO External Codes

Temenos Payments » Receiving and Mapping Inbound CBPR+ pain.001 through SWIFT Channel

SWIFT is migrating from MT to ISO20022 based MX format. Therefore, the

existing MT101 (Request for Transfer) message is replaced with CBPR+ pain.001 v9 message.

Temenos Payment is now enhanced to:

- Receive pain.001.001.09 message from the Initiating Party or the Forwarding Agent through the Delivery module, perform XSD validation, and map the message to payment instruction in the system
- Process the payment received through pain.001 as a book transfer or outgoing customer transfer routed through the determined channel (such as TARGET2 MX, CBPR+ or SWIFT and so on)

Thus, banks can now receive CBPR+ pain.001 (v9) through SWIFT channel and process the payment instruction.

The topics related to this feature are given below:

Initiation using pain.001

Viewing SWIFT CBPR+ pain.001

United Kingdom/Request to Pay » Connecting Payer Bank's End-user Application Provider (EAP) to External Repository

Temenos Request to Pay (RtP) framework is now enhanced to support the payer bank acting as an End-user Application Provider (EAP) to,

- Fetch RtP requests for the payer from an established Pay UK Repository Service Provider (RSP)
- Send the payer's RtP response, due date extension requests, and notes to the RSP
- Update the information for RtPs available in Temenos data store from the RSP

Additionally, the payer bank is provided with an option to configure whether

payer's proxy details should be resolved at scheme level.

Thus, the payer bank's EAP solution can connect to an established Pay UK RSP by utilizing Temenos RtP framework. Temenos RtP framework facilitates retrieval of payer's RtP data from RSP and updating the RSP with payer's responses.

> **The topics related to this feature are given below:**
>
> Supported Clearings
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> Registering RTP Proxy ID and its Resolution
>
> API based Communication
>
> Proxy Resolution
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> Pay UK - Request to Pay (RSP) API based Communication
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> Pay UK - Request to Pay (RSP) Proxy Resolution
>
> PayUK – Request to Pay (EAP)

Temenos Payments » Enhancing Customer Grouping for Client Agreements and Charges

Banks offer differential pricing and various services to different groups of customers. To achieve this, banks configure Client Agreements and Client Charges in Temenos Payments. Grouping of customers in Client Agreements and Client Charges were possible using various parameters including a few customer attributes, such as customer target.

Temenos Payments is now enhanced to open grouping of customers using all attributes from the `CUSTOMER` application. Each customer group can be offered differential charges and other conditions such as advices, FX discounts, floats, lead times and so on. The benefits of this new functionality are:

- Availability of more parameters to define customer groups.
- Ability to define Customer Agreements and Customer Charges for a group defined at a more granular level.

The topics related to this feature are given below:

Temenos Payments » Processing Outgoing SWIFT ISO MX/RTGS Messages with Supported Characters Defined by SWIFT and Clearing

The Temenos Payment Solution has been enhanced with the following new features:

- Ability to send payment messages with only the allowed characters specified by CBPR+.
- Ability to overcome the complexity of exchanging language-based characters in the payment messages.
- Ability to prevent the restricted characters from exchanging between the banks.
- Ability to receive the payment with escape characters and convert it with the corresponding replacement character.

The topics related to this feature are given below:

Supported Characters in ISO Message

Configuring Supported Character in ISO Messages

Supported Character and the Conversion for Outgoing Payments

Character Conversion

Supported Characters for ISO Message in TARGET2

Temenos Payments/Europe » TPH supports Financial Institutions DD (pacs.010) for TARGET2

Temenos Payments Hub is now enhanced to support Financial Institutions (FI) Direct Debit (DD) message flow, specifically from and to TARGET2 RTGS. As part of MT to MX transition, most major clearing houses are replacing MT204 (Financial Markets DD messages) with equivalent MX DD messages (pacs.010). This enhancement makes sure that Temenos Payments supports processing of such inward and outward FI direct debits (Clearing specific pacs.010 messages), specifically from and to TARGET2 RTGS. Banks can now send a Financial Institution Direct Debit (pacs.010) message to another bank directly or through a correspondent to the debtor agent.

The topics related to this feature are given below:

Financial Institutions DD

Financial Institutions DD in T2

Temenos Payments » Processing Incoming Cancellation Request Message Received from SWIFT CBPR+

SWIFT has introduced CBPR+ camt.056 message to initiate the cancellation request for the payment that has been already sent. MT192, MT292, and MT199 are the corresponding equivalent MT messages used for the cancellation request. SWIFT has also introduced CBPR+ camt.029 message to respond to the received cancellation request. MT196 and MT199 are the corresponding equivalent MT messages used for responses of cancellation request.

Temenos Payment is now enhanced to support the following:

- Incoming cancellation request message (camt.056) from SWIFT. It also generates Resolution of Investigation message (camt.029) for all the three manual actions such as Accept, Reject, and Pending, along with its corresponding reason codes. Before generating the camt.029 message, the system checks for Relationship Management (RMA). If RMA is not present, the system parks the cancellation request in the manual queue with the error reason.

- On receiving the incoming cancellation request, Temenos Payments identifies the original transaction for which the cancellation request is received and updates the cancellation record. If the cancellation request is received for the completed payment, Temenos Payments generates the return message (pacs.004) and positive Resolution of Investigation message (camt.029) as a response for the cancellation request after the user accepts the cancellation request manually.

- If the cancellation request is received for the payment that is not completely processed, Temenos Payments parks the cancellation request in the manual queue for user actions. Once the cancellation request is accepted, the system generates a reject (pacs.002) or a return (pacs.004) based on the settlement method of the transaction and generates a positive Resolution of Investigation message (camt.029) as a response for the cancellation request after the user accepts the cancellation request

manually. If the cancellation request is rejected, the system generates only a reject camt.029 and sends out to the assigner of the cancellation request.

- If the cancellation request is received for the payment that has reached the final stage but not in returnable status (Rejected, Returned, Cancelled, Reversed, or Seized), then Temenos Payments automatically generates a reject Resolution of Investigation message (camt.029) to the assigner of the cancellation request with RJCR status code.

- Temenos Payments has been enhanced with new enquiries for the user to take action and to view the received CBPR+ cancellation requests messages and its corresponding Resolution of Investigation messages.

> **The topics related to this feature are given below:**
>
> Processing Inward Cancellation Request
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> Manual R-Processing
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> Investigations and Enquiries

Payments Repair » Supporting Analysis of ISO Messages Repaired by Generic TPR

Clearings (for example, SWIFT Target2) are moving from their current payment format to ISO format. As the content of the format does not change (payments are mapped to the new format), STP rules are required for automatic repair of non-STP messages without manual intervention.

Payments Repair Learn now supports the following features:

- Generic Temenos Payments Repair (TPR) version with standard rules for MT and ISO messages.
- Analyse the non-STP ISO messages repaired by TPR and provide suggestions.

Banks can now analyse the STP and non-STP ISO payments and receive suggestions on non-STP messages.

The topics related to this feature are given below:

Standard Return Codes for Standard Rules

Payments Repair Learn