

What's New in

Temenos Transact

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| Release Highlights



| Private Wealth

Corporate Actions » Reconciling MT566 Automatically for Multiple MT565 Elections

For a Corporate Action with options, the custodian automatically applied the default option on the cut-off date, which created a possibility to suppress the MT565 instruction for the quantity elected in default option. If the system was setup to suppress MT565 for default option, the quantity instructed in default option is not instructed to the custodian.

For few corporate actions, the customer elects multiple times which are conveyed to the custodian via MT 565 based on the customer's elected quantity. The custodian sends the confirmation for the elections before the payment date. Based on the confirmation, the stock and cash movements are made for the confirmed quantity or cash.

Securities module is enhanced to allow the banks to suppress MT565 for the default option based on the parameter setup. The system can now perform auto reconciliation of MT566 for the elections done through multiple MT565.

The topics related to this feature are given below:

[Suppressing MT565](#)

[Reconciling MT566 Automatically for Multiple MT565 Elections](#)

[Multiple Election and Multiple Confirmation](#)

Securities » Reimbursement of Trailer Fees to Internal Account

There is a requirement by the banks to control the credit of trailer fees to the



customer's account. Further, the banks wants a new feature to transfer the trailer fees to an internal account first and then transfer the trailer fees amount to customer's account after deducting taxes (if applicable).

The Securities module is enhanced to allow the banks to check, modify, deduct taxes before crediting the trailer fees reimbursement to customers with the new fields that are introduced in `SC.TR.FEE.PARAMETER` and `SC.TRAIL.FEES.ARRANGEMENT`. These fields define the internal account to which the trailer fees amount is transferred before transferring it to the customer account. Reimbursement of trailer fees is done to an internal account setup at the parameter level instead of direct reimbursement to customers.

The topic related to this feature is given below:

[Reimbursement of Trailer Fees to Internal Account](#)

Corporate Actions » Processing the MX Meeting Notification and Cancellation

ISO 20022 messages are being adapted for reasons of flexibility, clarity and consistency. Further, Shareholders Rights Directive (SRD) II mandates that meeting notifications must be in a standardised ISO 20022 format.

The issuer or it's agent (notifying party) or an intermediary sends out a Meeting Notification to announce a shareholders meeting. The meeting notification provides information on the participation details and requirements for the meeting, the vote parameters and the resolutions. The notifying party may also cancel the meeting notification if it is no longer required.

The Securities – Corporate Action module is enhanced with the following feature to comply with ISO 20022 standards.

- Records the receipt of:
 - seev.001 – Meeting notification messages
 - seev.002 – Meeting cancellation messages



thereby allowing the bank to process an incoming MX meeting notification and cancellation message sent by the issuer or any intermediary

- Creates a record in `MEETING.DIARY` to capture the meeting details, the various meeting resolutions and the voting deadline date from the incoming `seev.001` message.
- Generates a record in `MEETING.ENTITLEMENT` for each portfolio to hold the details of qualified nominals, meeting date and various resolutions where the shareholder has the right to vote.

The topics related to this feature are given below:

[ISO20022 General Meeting Messages](#)

[Reviewing Meeting Diary Notifications with Errors](#)

[Reviewing Meeting Diary Notifications with Warnings](#)

[Processing Meeting Diary Cancellation Notification](#)



Regional Banking Solutions

Argentina Model Bank

Taxes » Turnover Collection Tax for ATM and Teller Cash Deposits Transactions

The Turnover Collection tax is a jurisdictional tax charged to any physical person that performs an economic activity and whose fiscal residence is any province in Argentina. This information is provided by padrones.

This functionality allows banks to apply the Turnover Collection tax to the ATM and Teller cash deposits transactions, based on the highest rate of the respective padrons.

The topic related to this feature is given below:

[Taxes](#)



Australia Model Bank

Withholding Tax and TFN Number » FX API Extracts

In the formulation and execution of an FX (Foreign Exchange) contract, there are many movements and steps that occur across multiple banking systems. With the facilitation of the FX API, there is an accurate method of capturing each movement across the core accounts: client foreign currency account, custodial foreign currency clearing account, client AUD account, custodial AUD clearing account.

This functionality allows banks to extract the details around any foreign exchange transactions undertaken at any foreign currency account linked to the portfolio. The extract generation is based on the data built in the `CG.FCY.ACC.BASE` application.

The below extracts are generated:

- FXD- Foreign Currency Spot Deals.
- FXT- FX Transactions.
- FXR- FX Realized Gains.
- FXUR- FX Unrealized Gains.
- FXPH- FX Parcel History.

The topic related to this feature is given below:

[Withholding Tax and TFN Number](#)



Colombia Model Bank

Account and Deposit Regulations » Account Statement for Closed Accounts

The local regulation of Colombia has defined fields for generating the statements, tax certificates and annual cost report to be issued to customers.

This functionality allows users to generate the statement for the active and closed high yield savings accounts as an xml file.

A new statement type is created in the `PRINT . STATEMENT` application for high yield statements. This statement type is configured in the Statement product condition in the Account Stmt (Freq 2) tab related fields in the high yield savings product.

The `CO.HY.STMT` enquiry is attached to the `PRINT . STATEMENT` application to generate the required information for the statement.

The topic related to this feature is given below:

[Account and Deposit Regulations](#)



Finland Model Bank

Incoming Payment Processing » Mapping Changes for Camt53/54

This functionality allows financial institutions to process incoming payments where the company cash account is maintained in another bank. The financial institution will receive incoming camt.54 and camt.53 payment messages and will process these (for fees, repayment, prepayment, payoff) based on the Finnish reference number. The INCMMS module is required to receive the camt.54 & camt.53 payment messages, and it runs as a microservice in its own stack.

For a camt.53 or camt.54 file, the exact date and time is stored in the *Stmt Creation Date* field from the `FIIPMT.INCOMING.PAYMENT.FILE` staging application.

The topic related to this feature is given below:

[Incoming Payment Processing](#)



Hong Kong Model Bank

Common Reporting Standards (CRS) Additional Data

Common Reporting Standards (CRS) is a regulatory reporting adopted widely by the central banks across the globe and aims at gathering information from the financial institutions and helping them fight against tax evasions and thus, protect the sanity of the tax systems.

Banks are required to identify and report customers who could tax residents outside the country and hold accounts and deposits. The balances held by such customers across their accounts are computed and consolidated for the purpose of reporting.

This functionality allows banks to identify the reportable customers' base and consolidate their balances for the purpose of CRS reporting as required by the local regulations in Hong Kong.

The CRS report base is the central file from which the final XML report gets generated. The functionality allows the users to modify the records from this application prior to the report generation. The amendment of such records in the live application is possible through the suitable input into the `CRS.BASE.MANUAL.UPDATE` application.

The topic related to this feature is given below:

[CRS Additional Data](#)



Hungary Model Bank

Transaction Fees » Generate the NYASZ Id

This functionality allows banks to uniquely identify the declaration record when the declaration details are sent to the central registry. The *Internal Declaration Id* in the `HUTXNF.ATM.DECLARATION.DETAILS` application will be combined with the *Customer Id* and sent to the central registry so that the same customer cannot do another declaration in another bank.

The topic related to this feature is given below:

[Transaction Fees](#)

Warrants » Loan Transaction Code

This functionality allows banks to calculate the sum of the number of components and treat the same as the booking confirmation amount. If the sum is more than the confirmed amount, the message will be rejected by Temenos Transact. When a booking message is rejected, the update request will not be handled. When a booking message is rejected, the repayment process cycle will start again from the booking and update message.

The following items have been introduced as part of this functionality:

- New fields have been added to the `HUWRNT.LOAN.REPAY.REQUEST` and `HUWRNT.LOAN.REPAY.REQUEST.HIST` applications to process the booking requests.
- New fields have been added to the `HUWRNT.QUEUE.PARAMETER` application to allow users to map the loan components with the respective transaction codes. Each loan component is mapped to debit and credit transaction codes so that during booking, the same can be reflected in the statement entry narrative of transactions.



The topic related to this feature is given below:

[Warrants](#)

Warrants » Sweep and Warrant Transaction Codes

This functionality allows banks to define the transaction codes for sweep and warrants settlement in the queuing solution to be able to differentiate the type of settlements, for example, automatic settlement or forced settlement in the statement entry.

New fields have been added to the `HUWRNT.QUEUE.PARAMETER` application to allow users to define the transaction codes for sweep transactions and warrants settlement (automatic and manual).

The topic related to this feature is given below:

[Warrants](#)

Warrants » Completion Reason Codes

This functionality allows banks to communicate the responses from Temenos Transact to the third party clearing system in the operation at the bank (PCS), whenever a queue is completed, cancelled, or terminated due to various reasons.

New reason codes have been created and updated in Temenos Transact for various scenarios in the queuing solution.



The topic related to this feature is given below:

Warrants



Saudi Model Bank

SIMAH Credit Bureau Interface » Performance Tuning

This functionality allows banks to perform the regular, default and monthly extraction during the day to day activities.

The BNK/SASIMA.UPDATE.ARRANGEMENT.CONCAT service has been introduced as part of this functionality to be triggered whenever a contract is created or the contract schedule information is updated.

The topic related to this feature is given below:

[SIMAH Credit Bureau Interface](#)



Spain Model Bank

Lending and Mortgages » Interest and Late Payment Fee

This functionality allows banks to manage the accounting for the late payment fee, to book into internal account whenever is generated and book into profit and loss only when its realised. Similarly, the penalty interest is booked into internal account when accrued and book into profit and loss when is realised.

The topic related to this feature is given below:

[Lending and Mortgages](#)

SEPA Iberpay » Rulebook

This functionality allows banks to manage the outward and inward cancellation requests, complying with the new SEPA Iberpay Rulebooks 2021.

Changes have been included in the positive response message to the non-receipt claim (charges only), in the positive response message to the claim for value date correction with the request for compensation payment and (or) compensation expenses and the confirmed positive response to the claim for the value date correction. Also, changes have been included with respect to the bulk investigation procedure of camt.056, camt.087 and camt.027 messages.

A new dataset DS-11 (pacs.008.001.02) has been introduced to claim the fees (charges and compensation) raised during positive response to a claim of non-receipt and the request to adjust the value date.

The topic related to this feature is given below:



| SEPA Iberpay



Sri Lanka Model Bank

Trade Finance » Letter of Credit or Shipping Guarantee Margin Refund

As per the Sri Lanka Foreign Exchange Regulations Act 12 of 2017, banks are required to hold the customer margin money in the customer's debit account currency and not in any other currency. Accordingly, while issuing a Letter of Credit (LC) for a customer, the margin money will have to be credited in the internal account denominated in the currency same as that of the customer debit account.

Further, if the customer account currency and the LC transaction currency varies, then the rates to be taken for conversion will be the Bills Selling (BC) selling rate for the foreign currency to the Sri Lankan Rupee (LKR) and Telegraphic Transfer (TT) selling rate for the foreign currency to the foreign currency.

This functionality allows banks to collect a margin, while issuing an LC, as a specific proportion to the LC amount. The margin that has to be collected will be in the customer's account currency as against the transaction currency.

The margin will be released either in case of the LC expiry or when it is utilised by drawings under the LC. This will be applicable at the time of LC issuance and amendments also.

The topic related to this feature is given below:

[Trade Finance](#)



Tunisia Model Bank

Customer Infrastructure » Garnishment Handling

This functionality allows users to create garnishment orders and freeze the funds from the customer accounts and freeze deposits. Also, it allows users to block and unblock securities, the details being available in the `SC.BLOCK.SEC.POS` application.

The locked amounts in the accounts can be increased or decreased, and further on released and if the judgement is against the debtor then the locked amounts will be transferred to the internal account.

The topic related to this feature is given below:

[Customer Infrastructure](#)

Foreign Currency Operations » Design Change

In Tunisia, there is a practice of doing reservations to book a part or total amount of approved amount for the use of a specific trade finance operation. It can be done either manually or automatically through the Letter of credit, Bank Guarantee etc. applications. Similarly, both automatic (drawings, payments) and manual settlements can occur.

This functionality allows banks to perform the manual imputation of the Foreign Trade Title (TCE) received from customs via Tunisie Trade Net (TTN).

The reservations, settlements and imputations will be captured or stored as new child records in the same Foreign Currency Operations (TNFCOP) applications and the respective parent and financial details will be updated accordingly.

Also, in Tunisia, there is a regulation to submit different forms for funds transferred to foreign countries and for prohibited transactions. The form has to



be submitted to the Central Bank and it has to be approved.

An F1 sheet is a form submitted to the Central Bank to get the authorisation to perform the prohibited transfers. An F2 sheet is a form submitted to the Central Bank to get the authorisation to perform the prohibited transactions. F1 sheet has to be submitted for fund related outgoing transfer and F2 sheet has to be submitted for commercial transactions like Letter of Credit, Bank Guarantee, loans etc., for prohibited transactions.

A new F1 or F2 sheet will be created with the allocation details and will be considered as a parent record. The corresponding reservations or settlements are created using the Id of the parent transaction and reference Id along with an indicator. The indicator R denotes the reservation and S denotes the settlement. The financial details are updated when each individual child transaction is authorised.

In a similar way, the information sheet reservation and settlement transactions can be carried out.

The topic related to this feature is given below:

[Foreign Currency Operations](#)

Foreign Currency Operations » Foreign Currency Limit Management and Sub Delegation

This functionality allows banks to process the Business Travel Allowance (AVA) retrocession, limit supply, Foreign Trade Title (TCE) usage, schooling usage, schooling retrocession, information sheet usage and F1/F2 usage.

The topic related to this feature is given below:



| [Foreign Currency Operations](#)

Foreign Currency Operations » Payment Tolerance for TCE Codes 21 and 31

As per the regulation in Tunisia, at the time of actual customs imputation, the imputation amount can be greater than the title amount to an extent of maximum 10%. Therefore, the actual payment can also be greater than the title amount to an extent of maximum 10%.

The Temenos Transact system allows a tolerance of 10% for Foreign Trade Title (TCE) 31 and TCE 21. The Central Bank of Tunisia (CBT) allows banks to pay maximum 10% more than the title amount and also to receive an import imputation greater 10% than the title amount Nota Bene (NB). This concerns all import modules.

This functionality allows banks to process payments that are greater than the title amount to an extent of maximum 10%.

| **The topic related to this feature is given below:**

| [Foreign Currency Operations](#)



| Retail

Retail Accounts » Notice Account Validations

Temenos Transact is enhanced to validate posting restrictions in the notice account at the time of capturing/modifying notices or when defining posting restrictions on the account that has a notice in process, thereby keeping the users informed if the restriction would affect the withdrawal.

The topics related to this feature are given below:

[Notice Account Validations](#)



Technology

Extensibility Framework

Microservices » Deploying VirtualTable in AWS Serverless Environment

Virtual Table Microservice supports the users to configure and deploy this service in Amazon Web Services Serverless Environment.

The topic related to this feature is given below:

[Deploying Virtual Table in AWS Serverless Environment](#)

Adapter » Deploying ATM – TCP and IP Listener

TCP-IP Listener is a new adapter framework that provides the following functionality:

- It replaces the existing TOCFEE component available in Transact.
- It is lightweight adapter service for cloud and on-premise based deployment.
- It is independent of database and configuration MS and has a customizable camel route.
- It has separate helm chart in the Adapter MS.
- Shell scripts supports the TCP and IP Listener to have easier Environment Configurations.



The topic related to this feature is given below:

[Deploying ATM – TCP and IP Listener](#)

Integration Framework

Integration Framework Designer » Defining Single Flow for a Product across Companies

Integration framework has the AA Activity/Activity class exit points. For each product and company, the user must define the flows and exit points, which increases the number of events and flow definition.

To avoid the increase of events and flow definition, Integration designer is enhanced to reuse single flow and event definition across companies. Based on the client requirement, the company list can be modified without adding a new event and flow, which reduces the number of definitions as one event.

Also, the single event and flow can be used as a template to define AA Activity/Activity class flows across companies and can be customised based on the company's availability in the target system.

The topic related to this feature is given below:

[Defining Single Flow for a Product across Companies](#)

Interaction Framework



IRIS R18 » Viewing Tracer Information in Grafana

IRIS is enhanced to integrate with the TemnTracer common component to push the captured tracing information of each configured span into Jaeger. Based on the predefined configuration, the collected data can be projected in Grafana.

The topic related to this feature is given below:

[IRIS Tracer](#)

IRIS R18 » Warmup Functionality in IRIS

All the predefined services are loaded in IRIS cache through an API after the server starts.

To load all the predefined services without any API initiation during server startup, IRIS is enhanced with additional JVM arguments that loads all the predefined services automatically.

The topic related to this feature is given below:

[Warmup Functionality](#)

IRIS R18 » Supporting Python Script in IRIS

IRIS support banks to extend the interaction framework to customise and script their own validations and business specific logics separately during runtime configuration with backward compatibility. It allows defining Python hooks rather than changing the core framework. It provides flexibility to the banks to define validation based on domain and operations associated with the API request.



Using Python scripts, both the request and response payload can be extended for validation.

The topic related to this feature is given below:

[Supporting Python Script](#)

Platform Framework

Infrastructure » Adherence of Business Event-Names to BIAN Standards

This feature helps to adopt the externalisation of the Banking Industry Architecture Network (BIAN) standards in events raised across Temenos. These event names are expected to be fully compliant with the BIAN service domain and operation names. The product domain name present in the event name should be changed dynamically to the BIAN service domain name by receiving it from the configuration microservice during runtime.

This protects the impacts in the product from future BIAN standard changes, as the externalisation of the BIAN service mapping is performed outside the code and transformation is done as a part of the event library runtime.

The topic related to this feature is given below:

[Adherence of Business Event-Names to BIAN Standards](#)

Infrastructure » Reference Data APIs

Reference data APIs are introduced as part of Microservice Framework to support respective business microservice for storing and retrieving reference



data with the help of two parameters (Type and Refcode) in APIs.

The topic related to this feature is given below:

[Reference Data APIs](#)

IT Technical Notes



| Private Wealth

Securities » Securities Jobs for COB Efficiency

Various application-wide Securities (SC) jobs have been merged to run as a single Master Job. The SC.EOD.TRADING.POSITION master job selects and processes the records from SC.TRADING.POSITION. The following jobs are merged and executed as actions under the SC.EOD.TRADING.POSITION job.

- SC.UPD.STP.BALANCES
- SC.EOD.TRADE.UPD.CONSOLE.POST
- SC.PL.ADJUST.ACCT
- SC.CLEAR.TRANS.REVAL
- SC.TRADE.POS.ACCRUAL
- SC.REVAL.PROCESSING

The following list of jobs have been defined as COB Scheduler (TSA.SERVICES.COB) under SC.EOD.RERUN batch:

- SC.STOCK.DIV.RERUN
- SC.DIV.COUP.RERUN
- SC.BOND.RED.RERUN
- SC.CI.RERUN

NOTE: When the criteria for the action is fulfilled, then the respective action is performed for the records.