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1. Release Notes

1.1 Background

Oracle Financial Services Software Limited has developed Oracle FLEXCUBE Universal Banking, which enable banks to create a distributed network of branches for effective marketing and efficient handling of customer transactions.

Oracle FLEXCUBE Universal Banking is a real-time online solution, enabled for multi-currency, multilingual, multi-entity, multi-instance operations. Its mission-critical and robust architecture and use of leading-edge industry standard products ensure almost limitless scalability.

1.2 Purpose

The purpose of this Release Note is to propagate the enhancements in Oracle FLEXCUBE Universal Banking 14.4.0.2.0.

1.3 **Release Highlights**

The rationale for the product release of Oracle FLEXCUBE Universal Banking version 14.4.0.2.0 is to support regulatory requirement and enhance features that are essential in competitive market.

Following are the features included in the release along with forward porting of applicable fixes related to the incidences reported in previous versions and technical qualification to comply with approved Tech Stack.

- Servicing Retail Operations Enhancements
- Retail Process Management Enhancements
- Retail Party Enhancements
- Incremental translation support for current FLEXCUBE release
- CAMT 053 statement generation enhancement
- STP for CAMT053 message and Cover Matching
- Support for Secured Overnight Funding Rate (SOFR) in Corporate Deposit Module
- Future Value Dated Rate handling for Corporate Deposit
- Integration with Payments for Demand Draft/Bankers Check issuance
- Incremental enhancement in Relationship Pricing module to support external components
- Replication of External entities from FUBS to OBMA Common Core
- Italy Cluster Enhancements

1.4 **Release Enhancements**

1.4.1 **Servicing Retail Operations Enhancements**

The following enhancements are made in this release:

- The following transaction screens are introduced:
 - Close-Out Withdrawal by BC and Account Transfer
 - DD Operations (Enquiry, Payment, Cancel, Refund, Revalidate, Duplicate, and Payment Reversal)
 - BC Operations (Enquiry, Payment, Cancel, Refund, Revalidate, Duplicate, and Payment Reversal)
 - Inward Clearing Data Entry
 - Outward Clearing Data Entry
 - Cheque Return
 - RD Payment screen By Cash
 - Payment of F23 and F24 Italy Taxes by Account
- Transaction Alert notifications by e-mail for transactions are added.
- Facility to configure confirmation from Customer based on Input slip is added.
- Support for branch and currency wise accounting is added.
- Online charging is supported for maintenances Cheque Return, Stop Payment, and Passbook Issue.
- Mega Menu is introduced for Teller.
- Capability to re-open Till for current date is added.
- UBS common core to OBMA common core replication for Customer and account is added.
- Support for staff restrictions is added.
- The following features are introduced for Charges:
 - Common Core Charge service integration
 - Charge Definition Maintenance
 - Charge Pricing Maintenance
 - Charge Condition Group Maintenance
 - Charge Decision Maintenance
 - External Pricing System Maintenance
 - Charge Debit GL can be configured
 - Charge decision can be based on customer or account group maintenances
 - Set of filter criteria parameters can be grouped and used for making charge decision
 - FCUBS – Relationship Pricing integration with common core charge calculation service for Teller
- ECA block is introduced for OBPM integrated transactions.

- Configuration based control is enhanced to include Exchange Rate and Total Charge fields on screen.
- Network Code field is added in Cheque Deposit screen.
- Authorization for Reversal is supported, which can be configured in Function Code Definition screen.
- Uptake of Routing Hub for payment clearing transaction.
- ODA use cases are added to Open Teller Batch without going to screen.

1.4.2 Retail Process Management Enhancements

- Sub-Page for loan product is created in the product catalogue.
- Product comparison feature is introduced. It allows comparing up to three business products within the same product sub-type in case of Loans and Product Type for other Products like Savings Account, Current Account, or Term Deposit Account.
- Integration with OBPY (Party Module) is done for amendment of the Customer's Basic Details and Financial Details.
- It is now possible to view the details of the applications and the related product processes during the various stages processing by clicking the Application Info button in the wizard.
- Interest tolerance feature is added to validate the interest margin amendment.
- Supervisor approval stage is added for loan assessment approval.
- Account approval stage is added for final submit of account creation at host.
- Branch inclusion/exclusion configuration is introduced in Business Product configuration.
- Customer contribution field added in Loan Details data segment.
- Validation is added for loan tenure, amount, and currency configured at business product level.
- Enhanced Financial Details data segment.
- Feature added to capture repayment instruction at host for external account.
- Bell notification is added to the RM when Supervisor approves the stages – Loan Offer is generated, Loan Offer is Accepted, and Loan Account Created.
- Added email notification to Customer upon offer generation.
- Re-designed Document Upload screen and added expiry date capture validation during upload.
- Developed batch process to mark the inactive application and loan offer as expired, based on the specified period configured in the Business Product.
- For Savings Account, Current Account, and Term Deposit Accounts, the Initial Funding Pay-in option through Account Transfer and Other Bank Cheque through manual option is now supported.
- Initial Funding through Cash option that was only supported as automated process with Teller API Integration, now allows manual process also, so that the RPM processes do not have dependency on Retail Service application (Teller Module).
- Term deposit interest and/or maturity payout can be done to an External Account.
- Introduced new dashboard widgets – Applications Near Expiry and Loan Offer Near Expiry.

- Drill-Down screen is provided for Conversion Analysis and Loan Offer Status Dashboard so that the User can view the application and other details for the selected status.
- The existing Application Details Drill-down screen in My Application and Application Search Dashboard is enhanced to:
 - Show the Account Opening Date and the Newly Opened Account Number.
 - Details like Source By and Channel is now available in the Header.
 - In case phases are configured for process code linked to business process, the Product Card shows Phase train and status in different colours instead of Stages. For Process Code, where only Stages are configured, continues to show Stage train.

1.4.3 Retail Party Enhancements

- Automatic Party Onboarding – Added a new functionality to initiate Party for initiation channel request, and to automatically hand-off details to host based on a configurable flag (STP_FLAG), provided initiated application need no further enrichment in Retail Party.
- Party Business Process – A new Business Process screen is now available to show the configuration details of different workflow used in Retail Party.
- KYC Enhancement in Initiation – The Party Initiation request now accepts data for all the KYC. A new parameter (BANK_MANDATORY_KYCS) is now available to maintain the Bank's Mandatory KYC. This enhancement enables the STP of Retail Party Onboarding.
- UI Changes – UI of multiple screens is improved.

1.4.4 Incremental translation support for current FLEXCUBE release

- Static Data for, screens labels, Menus and error message are released for Patch set/Enhancement for following languages.
 - French
 - Arabic
 - Chinese
 - Vietnamese
 - Spanish
 - Portuguese European
 - Portuguese Brazilian

1.4.5 CAMT 053 statement generation enhancement

- CAMT 053 message has been enriched to support other optional fields, this means more tags are supported with respect to messages for both debit and credits
- External product processors needs a facility to send data for every Accounting entry sent in EA(External Accounting) interface. Hence a differentiator AC_ENTRY_SR_NO is introduced which is unique in identifying the accounting entry details/tags.

- External product processors(PP's) can invoke new service after calling External Accounting(EA). This service allows to send more data for every Accounting entry with it's AC_ENTRY_SR_NO. For every Accounting entry Amount Details and it's availability, Agent Details, Party Details, Financial institution identification details, Related Quantity, Remittance Location details and Cash Deposit details can be included
- Data sent using this service is used to generate CAMT 053 message, an equivalent of MT 940.

1.4.6 STP for CAMT053 message and Cover Matching

- Enhanced to send CAMT.053 details for Cover matching to Oracle Banking Payments
- Enhanced to receive CAMT.053 and send account and credit entry details for Cover Matching to OBPM system

1.4.7 Support for Secured Overnight Funding Rate (SOFR) in Corporate Deposit Module

- Corporate Deposit Module to use Secured Overnight Financing Rate (SOFR) .
 - Corporate Deposits Module is enhanced to apply the Secured Overnight Financing Rate (SOFR) to contracts. With the integration of the 'CalcEngine' system picks appropriate SOFR rate and calculates Interest component amount for plain method.
 - Set of Parameters for the Risk Free Rates provided in the Interest Class Definition and in Interest screen in Corporate Deposit Product Definition. These preferences at product are inherited by the underlying contracts.
 - Contract Booking with SOFR rate, Accrual and Liquidation events with the existing Batch process are supported.
 - The existing RFR input screen are enhanced to capture SOFR rates
 - Accrual and Liquidation for contracts booked with SOFR rate, events are managed in existing Batch process.
- INFRA, INSTALLER Enhanced for FCUBS CD-RFR CalcEngine Integration
 - INFRA and INSTALLER are enhanced to support Corporate Deposit Module integration with CalcEngine system, that enables usage of Risk Free Rates usage in its contracts.

1.4.8 Future Value Dated Rate handling for CD

- Enhanced system for Overriding Future Value dated fixed rates with prevailing rate on Corporate Deposit Contract Amendment.
- Execution is based on preference "Override Future Value Dated Rates" at CD product and CD contract.
- Corporate Deposit Product Definition and Corporate Deposit Contract Input are enhanced to capture preferences to Override Future Value Dated Rates. Contracts would inherit preferences
- Overriding of rates functionality is applicable only for Fixed rate Interest component and will not be extended to Negative Interest rate and floating rate Interest components.

1.4.9 Integration with OBPM for Demand Draft/Bankers Cheque issuance

- Retail Teller as module has deprecated instrument issuance like DD, BC from FLEXCUBE. Modules CASA, TD and CL are integrated with OBPM to provide end to end support for DD(Demand Draft)/BC(Bankers Cheque).
- For CASA Account Closure or TD partial/full redemption balance can be issued as a Demand Draft (DD) or Banker's Cheque (BC) having integrated with OBPM
- DD/BC liquidation at any branch of the bank is supported with Instrument date will as branch date of the account.
- During authorization of transaction, FCUBS sends request to OBPM where DD/BC instrument is created and success response is sent back to FCUBS.
- DD/BC instrument can be issued also from gateway for the above cases.

1.4.10 Incremental enhancement in Relationship Pricing module to support external components

- Enhanced Query RP price request to support single/multiple currencies across components and Query RP price response to return Minimum and Maximum value for interest components.
- Request and Response of CreateQueryPrice web service and Rest service have been enhanced
- CURRENCY tag in Request has been modified to include single/multiple currencies to be passed where each Currency value is for a price component. Multiple Currencies can be sent separated by #. Earlier only single value was allowed in currency, so all Price Components were expected in same currency. Now each price component can have different currency.
 - Eg- CURRENCY – USD#GBP#EUR
 - PRICE_COMP_CODES – PriceComp1#PriceComp2#PriceComp3
- Changed Response to include new tags MINIMUM_VALUE and MAXIMUM_VALUE for RP Rate under RATES/RATE. It returns Minimum and Maximum value as defined in the Benefit Plan Maintenance. This is applicable for all Interest components.
- SDE Changes
 - Deleted Relationship Pricing SDE's of deprecated modules i.e BC,BR,FT,FX,IB,LC,LI,LS,MC,MM,OT,PC,RT,SR.
 - Released pre-shipped External Data Elements(EDE's) for OBTF product processor and upgrade scripts for their dropped SDE's to work with the new EDE's.

1.4.11 Replication of External entities from FCUBS to OBMA Common Core

- Enhanced the system to replicate Customer and Customer Account from FCUBS to OBMA Common Core
- OBRH (Oracle Banking Routing Hub) is used to convert message from FCUBS format of message to OBMA format of message.

1.4.12 Italy Cluster Enhancements

The following enhancements are made in this release:

- The following screens are introduced:
 - MAV RAV FRECCIA Parameters
 - Issue of MAVs
 - Blocked MAV Numbers
 - MAV Batch Process
 - MAVs RAVs FRECCIAs Payment by Cash
 - MAVs RAVs FRECCIAs Payment by Account
 - Circular Cheque Issue Against Cash
 - Circular Cheque Issue Against Account
- In Teller Branch Parameters screen, following fields are introduced:
 - Threshold Amount
 - Threshold Type
 - KYC Type Verification Excluded
- Based on the newly added parameters in Teller Branch Parameters screen, if there is any Large Denomination is input in Stop Teller Session screen, the system performs certain validations and makes the user input additional information.

1.4.13 Bug/Defects addressed

Please refer to respective modules' (FLEXCUBE, Servicing Retail Operations and Retail Process Management) bug lists for bugs which were addressed part of this patch-set release.

2. Deprecated Features

- Relationship Pricing SDE's of deprecated modules i.e BC,BR,FT,FX,IB,LC,LI,LS,MC,MM,OT,PC,RT,SR.

3. Components of the Software

- For information on Components of the software, refer same section in release notes of Oracle FLEXCUBE Universal Banking 14.4.0.0.0

4. Tech Stack

- For information on tech stack, refer same section in release notes of Oracle FLEXCUBE Universal Banking 14.4.0.0.0

5. Third Party Software Details

- For information on the third party software details, refer Oracle FLEXCUBE Universal Banking 14.4.0.0.0 License Guide