Product Release Note
Oracle FLEXCUBE Universal Banking
Release 12.0.87.1.0
[Aug] [2014]

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FINANCIAL SERVICES

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Oracle FLEXCUBE Universal Banking Release Note
[Aug] [2014]
Version 12.0.87.1.0

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1. Release Note

1.1 Background

Oracle Financial Services Software Limited has developed Oracle FLEXCUBE Universal Banking Software to enable banks to create a distributed network of branches for 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.

Oracle FLEXCUBE Universal Banking 12.0.87.1.0 enhanced on the Base Version of Oracle FLEXCUBE Universal Banking 12.0.2.0.0.

1.2 Purpose

The purpose of this Release Note is to highlight the enhancements in Oracle FLEXCUBE Universal Banking 12.0.87.1.0.

1.3 Abbreviations

Abbreviation	Description
UDE	User defined Elements
BIP	Business Intelligence Publisher
BPEL	Business Process Execution Language
BPMN	Business Process Management and Notation
BRE	Business Rules Engine
CPG	Common Payment Gateway
DMS	Document Management System
ELCM	Oracle FLEXCUBE Enterprise Limits and Collateral Management
EOD	End of Day
FCIS	Oracle FLEXCUBE Investor Servicing
FCY	Foreign Currency
IE	Internet Explorer
IPM	Imaging and Process Management
OD	Over Draft

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Abbreviation	Description
ODT	Oracle Development Tool
POS	Point of Sale
SSO	Single Sign On
UCM	Universal Content Management
UDE	User defined Elements
UI	User Interface

For module code and description details, please refer Annexure C.

1.4 <u>Release Highlights</u>

The scope of the current release Oracle FLEXCUBE Universal Banking 12.0.87.1.0 is to develop enhancements related to Japanese Localization, INFRA changes and forward porting of applicable fixes related to incidences reported in previous versions. Patchset releases up to Oracle FLEXCUBE Universal Banking 12.0.2.2.6 are auto merged. The qualified ELCM release towards the current release is Oracle FLEXCUBE Enterprise Limits and Collateral Management 1.1.13_FCUBS12_0_87_1.0.

1.5 <u>Enhancements to the Existing Modules</u>

1.5.1 <u>Clearing Enhancements</u>

Facility to allow payment of interest for outward cheques from the date on which the cheque proceeds were credited to the Bank till the date it is credited to the Customer's Account.

1.5.2 <u>Core Enhancements</u>

1.5.2.1 <u>Customer Aggregation:-</u>

Facility provided to modify the customer number linked to accounts in bulk any time during the lifecycle of the accounts. This feature is applicable for CASA Accounts, TD Accounts (all types of deposits including auto deposits), structured deposit Account and Loan accounts.

1.5.2.2 <u>Address Code:-</u>

Enhanced the system to maintain and store the master list of address codes and the corresponding addresses. The address code field is provided in the Customer Maintenance, CASA Accounts and TD Accounts maintenance to capture and default the address.

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1.5.2.3 Customer Grouping Management:-

A consolidated report on CASA, TD and Loan accounts held by a customer and of those held by customers who have a relation with the inquired customer will be made available for arriving at the Customer grouping management.

1.5.2.4 Support for PID:-

In Japan, customer accounts are accessed through personal identification (PID). Hence provision to maintain PID for individual and corporate customers is provided in the system.

1.5.2.5 Customer Name:-

A provision to support separate place holders to capture/maintain/inquire customer names in hiragana, katakana and kanji scripts are provided and Field 'Full Name' to be made mandatory for all customer maintenance.

1.5.2.6 Channel transaction:-

This enhancement supports in validating the daily transaction limit on CASA accounts for transaction from each channels. The limit can be defined at the bank level and can be modified at the account level, if required. This validation is supported through Retail Teller as well.

1.5.2.7 Maruyu Limit:-

Facility to maintain the Maruyu limit at Bank and customer level for providing tax exemption for deposits up to a certain limit amount. The Maruyu limit can be maintained at the Account level and this limit maintained at Account level is applied in the interest formula to provide tax exemption.

1.5.3 Current and Savings Account Enhancements

1.5.3.1 Multiple Currency Accounts:-

Facility to open accounts in multiple currencies in a single transaction is provided. Multi Currency Account No will be generated which will be the same for all accounts opened. The local currency account will be the active account and other currency accounts will be inactive and can be activated through a new screen. Inactive accounts can be selected through these screens: Cash Deposit, Account to Account Transfer, FX Purchase against Account, TD Account Opening by Multi Mode, TD Redemption screens. Inactive accounts becomes Active after the first transaction.

1.5.3.2 Tax in LCY:-

Facility to provide rate code and rate indicator for tax calculation, if Tax Pay Currency is maintained as Local Currency. Currently system calculates the tax in local currency using "STANDARD" rate code and rate indicator as "M" (Mid). Instead it will follow the maintenance done for the rate code and rate indicator.

1.5.3.3 CASA Dormancy Processing:-

Facility to mark the CASA accounts as dormant, if they are inactive for more than 10 years. Dormancy processing is done as a two step process, in the first step accounts are marked as - Target for Dormancy and the second step to mark the accounts as Dormant. Once the accounts are marked as dormant, facility has been provided to move the funds in the dormant account to a bank's GL based on setup.

1.5.4   ELCM Enhancements

- Facility screen has been enhanced to show power pocket limit components if present for the selected Facility.
- New interface has been created for processing power pocket limit creation and modification.

1.5.5   INFRA Enhancements

1.5.5.1 Customer Tab Search with more fields

Customer tab enhanced with additional customer search criteria i.e. PID number, Kanji Full Name, Katakana Full Name, Hiragana Full Name and Account Search with Multicurrency Account Number.

1.5.5.2 F9 Hot Key Support

Enabled Hot key (F9) for Account Number fields and Customer Number Fields. When the hot key F9 has been pressed in Account Number/Customer Number field in any of the screens the customer details will be displayed with customer name, kanji name, katakana name, hiragana name, PID number, account currency, account number and account branch.

1.5.6   Signature Verification (SV) Enhancements

- The fields - Kanji Full Name, Katakana Full Name & Hiragana Full Name will be added as display fields in the Customer Signature and Image upload, Signature Verification screens.
- The fields- Kanji Full Name, Katakana Full Name & Hiragana Full Name added in the search criteria & in search results in the Customer Signature and Image upload summary screen.

1.5.7   INSTALLER Enhancements

INSTALLER has been modified to qualify for INSTERSTAGE server. INTERSTAGE server option will be enabled in installer, if Japan Cluster selected.

1.5.8   Interest and Charges Enhancements

1.5.8.1 Bonus Interest for CASA and RD

- Facility provided to configure Quarterly and Yearly Bonus interests for CASA accounts

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- Enabled the provision to configure Bonus interest for Recurring Deposit (RD) accounts only if there is no delay in RD installment during the term and there is no RD suspension on RD during its term.

1.5.9 Loans Enhancements

- Facility to capture and process bonus loans for a loan account
- Facility to process loans based on fixed or convertible based cycles
- Facility to automatically sweep out excess funds from CASA for Smart Pay loan repayment
- Facility to automatically enable and process Power Pocket facilities for Current Accounts
- Facility to have different accrual preference for progress and regular period
- Facility to configure multiples of loan amount units
- Facility to configure multiples of loan tenor units
- Facility to define different interest calculation methods such as:
  - Ryoha Mae Otoshi: Include start and end date of the contract, and exclude begin of the intermediate schedules
  - Ryoha Ato Otoshi: Include start and end date of the contract, and exclude end of the intermediate schedules
  - Kataha Ato Otoshi: Include only start dates and begin dates, exclude end dates
  - Kataha Mae Otoshi: Include only end dates, exclude start and being dates
- Facility to accelerate or decelerate the loan repayment schedules
- Facility to allow customers to consolidate and repay the charges
- Facility to handle different rounding options for interest calculations and repayments
- Facility for customer aggregation in loan accounts
- Facility for PID support in loans

1.5.10 Payments and Collections Enhancements

1.5.10.1 PC Transactions Simulation

- A 24*7 facility provided to simulate Payments and Collections Transaction from external channels exactly like an original transaction from an external system.
- The complete life cycle of PC contract creation will be executed for Simulation transactions and on success, message "Simulation is Successful" will be sent in the response and on failure respective error message will be sent in response.
- The simulated transaction will not get committed in Oracle FLEXCUBE Universal Banking.

1.5.11 Retail Teller Enhancement

1.5.11.1 RT Transactions Simulation

- A 24*7 facility provided to simulate Retail Teller Transactions from external channels exactly like a FCUBS transaction.

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- The complete life cycle of the RT transaction will be executed for Simulation transactions and on success, message "Simulation is Successful" will be sent in the response and on failure respective error message will be sent in response for the below Function Ids:
  - 1006 – Account to Account Transfer.
  - 1008 – Miscellaneous Customer Debit.
  - LOCH – In house Chque Deposit.
- The simulated transaction will not get committed in Oracle FLEXCUBE Universal Banking.

1.5.11.2 Multiple Currency CASA Accounts Opening

A provision to display the assigned CASA account numbers for transaction screens of 'Cash Deposit' (Account Number LOV), 'Account to Account Transfer' (To Account Number LOV) ,'FX Purchase against Account' (Account LOV) and 'TD Account Opening by Multi Mode' (Payout Account LOV).On successful completion of the transaction, these assigned CASA accounts get activated.

1.5.11.3 RT Support for TD Enhancements

The following TD related enhancements are supported in Retail Teller module:

1. Channel Restriction for TD Opening and min/max validation at channel level

2. TD Notice Accounts.

3. TD Pay-In & Pay-Out Currency Restrictions

4. TD Redemption Restricted Period

5. Partial Redemption Interest Rate

6. Exchange Rate in TD

7. Pre-Mature Redemption Payout

8. Interim Change in Deposit Currency

1.5.12 Term Deposit Enhancements

1.5.12.1 Channel Restriction for TD Opening and min/max validation at channel level

- Facility provided to restrict the channels using which the accounts can be opened.
- Facility provided to configure and validate the minimum, maximum deposit amount and top up amount allowed for each currency based on the channel.
- This functionality can be handled through Retail Teller screens as well.

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1.5.12.2 RD Instalment Basis

Enhanced the facility to select the 'Instalment Basis'- i.e Local Currency or Account Currency at account class level, based on which the RD instalment amount will be computed for the RD account using the basis currency. Ex: When 'Instalment Basis' is selected as 'Local Currency' for a FCY account the instalment amount (in local currency) will get converted into an equivalent amount in account currency and credited to the RD account.

1.5.12.3 RD Month End Instalment

- Facility provided to derive the instalment due date as the last business day of the month if the RD account is opened on the last working day of the month and if the 'Month-end Instalment' is opted in account class level.

- Facility is also provided to derive the instalment payment due date to previous working day of the month if there is any adhoc change in the holiday calendar.

1.5.12.4 Post Maturity Interest for TD unclaimed period

Facility provided to derive the period between the maturity date of the deposit and the actual redemption/renewal date which termed as Post Maturity Period which makes the account eligible for Post Maturity Interest during the period.

1.5.12.5 RD Installment Suspension

Facility provided to suspend the instalment payment anytime during the life cycle of the RD account. Reinstate the suspended instalments is not possible. Account losses eligibility for bonus interest, once the account is suspended for installment.

1.5.12.6 TD Notice Accounts.

- Facility provided to open notice accounts for Individual and Corporate customers.

- Notice accounts will not have maturity date and can have any number of credit transactions done through top up and withdrawal from notice accounts can either be based on issue of notice instructions that gets executed automatically on the notice date or manually on the notice date or by without providing any notice instruction.

- Facility provided to configure the penalty for notice accounts, if the withdrawal transaction done during the Lock-in period or Notice period.

- This functionality can be handled through Retail Teller screens as well.

1.5.12.7 TD Dormancy Processing.

- Facility provided to make the TD accounts as Dormant after 10 years of inactivity.

- Facility is provided to specify the frequency when the account would become the target for dormancy and the period on which actual dormancy processing would take place.

- Facility is provided to transfer the outstanding TD amount to an income GL once the TD becomes dormant.

1.5.12.8 TD Pay-In & Pay-Out Currency Restrictions

- Facility to configure Currency restriction at the product level for the following

- ➢ Pay-In Currency for the Deposit
- ➢ Pay-Out Currency (Both Principal and Interest) for the Deposit.
- This functionality can be handled through Retail Teller screens as well.

1.5.12.9 TD Redemption Restricted Period

- Enhanced to support period based restriction for partial redemption of Term Deposit. Facility to configure override or error message in case user tries to redeem the deposit during the lock in period.
-
- Full redemption not restricted on deposit, even if lock-in period is specified for the term deposit account
- This functionality can be handled through Retail Teller screens as well.

1.5.12.10 Partial Redemption Interest Rate

- Facility to derive the Interest Rate in case of Partial Redemption based on the defined Rate Matrix and the Redemption Factor.
- Partial redemption interest rate depends upon the original term of the deposit and completed tenure of the deposit.
- This functionality can be handled through Retail Teller screens as well.

1.5.12.11 Exchange Rate in TD

- Facility to pick the Exchange Rate based on the Pay-In/Pay-Out mode, Rate Code and Rate Type Combination for Term Deposit Opening, Renewal, Top-Up and the Redemption Transactions
- This functionality can be handled through Retail Teller screens as well.

1.5.12.12 TD Negotiable Certification of Deposit

- Enhanced TD to support Negotiable Certificate of Deposit (Transferable Deposit) for Individual and Corporate.
- Negotiable Certificate of Deposits cannot be redeemed partially or in full before the maturity date of the deposit

1.5.12.13 Pre-Mature Redemption Payout

- Facility to payout Applicable Interest for the Redeemed Principal Amount as Redemption Proceeds in case of Pre-Mature Redemption.
- Enhanced system to consider compounding effect for the redemption amount as well during recalculation of interest for compound Deposits
- This functionality can be handled through Retail Teller screens as well.

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1.5.12.14   <u>Interim Change in Deposit Currency</u>

Facility to change the Currency of a Deposit at any time during the Deposit Tenure.This functionality can be handled through Retail Teller screens as well.

1.5.13   <u>Functions with Changed Function Code</u>

The following List of Function IDs has been converted to Extensible and non-extensible functions were deprecated.

Deprecated Function ID	New Function ID	Function Description	Module
AEDECGRP	AEDECGRU	End of Cycle Groups	AE
STDTAXWV	STDTXWAV	Tax Waiver Maintenance	CA
CADCHQPR	CADCHBPR	Cheque Book Print	CA
STSTAXWV	STSTXWAV	Tax Waiver Summary	CA
CASLOGBK	CASLDGBK	Lodgment Book Summary	CA
ACSSTFMT	ACSASFMT	Account Statement Format Summary	CASA
ACDMUNCL	ACDUNFDR	Uncollected Funds Release	CASA
ACDADCRP	ACDADREP	Account Balance & Interim Report	CASA
ACDBIRAC	ACDTRNQY	Customer Account Transaction Query	CASA
ACDCASHF	ACDCASFL	Customer Account Cash Flow Query	CASA
ACDCBIRD	ACDABLQY	Customer Account Balance Query	CASA
ACDCODQS	ACDCODQY	Facility Wise Overdrawn Accounts Query	CASA
ACDFUNCO	ACDUNFDQ	Uncollected Funds Query	CASA
ACDSTFMT	ACDASFMT	Account Statement Format Maintenance	CASA
ACDSTQRY	ACDASTQY	Customer Account Statistics Query (Not Working)	CASA
ACSCODQR	ACDCODQY	Facility Wise Overdrawn Accounts Query	CASA
CADAMBLC	CADCAMBL	Consolidated Amount Block Input	CASA
CADLOGBK	CADLDGBK	Lodgment Book Maintenance	CASA
CIRCSTAD	CSRCSTAD	Combined Statement Generation	CASA
CSDACSUD	CSDACSTM	Detailed Account Statement Fields Maintenance	CASA

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Deprecated Function ID	New Function ID	Function Description	Module
IFDXTACC	IFDREPAC	Replicated Account Maintenance	CASA
IPDCBIRD	IPDABLQY	Customer Account Balance Query	CASA
STDACINS	STDACCIN	Account Instruction Maintenance	CASA
STDACLMT	STDACTXM	Customer Account Tax Allowance	CASA
STDACLOC	STDACCLO	Account Address Locations	CASA
STDACRAN	STDACCRA	Account Range Codes	CASA
STDACTAQ	STDCATAQ	Customer Tax Allowances	CASA
STDACUDE	STDACRMT	Account Class & Rate Association	CASA
STDADINT	STDNTUTL	Notice Utilization	CASA
STDAPRUL	STDPRVRL	Provisioning Rules	CASA
STDNTPRD	STDNPMNT	Notice Periods	CASA
STDREFQU	STDREFEQ	Referral Queue	CASA
STDSTMNT	STDSTCHN	Manual Status Change Input	CASA
CFDCHGCL	CFDCHGCE	Charge Class Maintenance	CF
CLSADCHG	CLSADOCH	Ad-hoc Charges Summary	CL
CLDADCHG	CLDADOCH	Adhoc Charge	CL
CLDADCAU	CLDADOAU	Adhoc Charge Authorization	CL
CLDACHST	CLDACHTY	Account History.	CL
STSGROUP	STSGRPMT	Customer Group Summary	CO
STSAMTRN	STSAMTMN	Amount Text Summary	CO
CSSRELMN	CSSRELMT	Relationship Summary	CO
CSDRELMN	CSDRELMT	Relationship Maintenance	CO
STDAMTRN	STDAMTMN	Amount Text Maintenance	CO
STDGROUP	STDGRPMT	Customer Group Maintenance	CO
UDSFNMNT	UDSFFLMT	User Defined Fields Function Key Mapping Maintenance	CS

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Deprecated Function ID	New Function ID	Function Description	Module
CSSALGGN	CSSALGEN	Algorithm Generation Summary	CS
CSSERMSG	CSSERRMS	Error Message Summary	CS
CSSSEQGN	CSSSQGEN	Sequence Generation Summary	CS
CSSRHMCL	CSSRHCLM	Role to Head Mapping Class Summary	CS
CSSFEAMT	CSSFEMNT	Feature ID Summary	CS
CSSFTMNT	CSSFTRMN	Feature Summary	CS
CSSALGMT	CSSALGMN	Algorithm Summary	CS
UDSFNMAP	UDSFNMPT	User Defined Fields Function Key Mapping Summary	CS
CSSPSMNT	CSSPSTMN	Parallel Stream Summary	CS
CSDUAUTH	CSDBLAUD	Bulk Authorization Detailed	CS
CSDALGGN	CSDALGEN	Algorithm Generation Input	CS
CSDSEQGN	CSDSQGEN	Sequence Generation Input	CS
CSDRHMCL	CSDRHCLM	Role to Head Mapping Class Maintenance	CS
CSDPSMNT	CSDPSTMN	Parallel Stream Maintenance	CS
CSDALGMT	CSDALGMN	Algorithm Maintenance	CS
CSDFEAMT	CSDFEMNT	Feature ID Maintenance	CS
CSDERMSG	CSDERRMS	Error Messages Maintenance	CS
UDDFNMAP	UDDFNMPT	User Defined Fields Function Key Mapping Maintenance	CS
CSDFTMNT	CSDFTRMN	Feature Maintenance	CS
EISVWPEN	EISVWPNT	Pending Transactions	EI
EIDVWPEN	EIDVWPNT	Pending Transactions	EI
GLDPRDCL	GLDXPDCL	Period Closure Maintenance	GL
GLSGLLN	GLSXGLLN	GL Central Bank Line Linkage Maintenance	GL
GLDCFLOW	GLDXCFLW	Cash Flow Report Maintenance	GL
GLSLINE	GLSXLINE	Reporting Line Summary	GL

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Deprecated Function ID	New Function ID	Function Description	Module
GLSCFLOW	GLSXCFLW	Cash Flow Report Summary	GL
GLSPRDCL	GLSXPDCL	Period Closure Summary	GL
GLDWBAL	GLDXWBAL	GL Balance Enquiry	GL
ICDSDEM	ICDSDEMN	System Data Elements	IC
ICDISFM	ICDISFMT	Interest Statement Maintenance	IC
ICDCHONL	ICDEXTRI	Interest and Charges External Transaction Input	IC
ICDTRNCD	ICDTRMNT	External Transaction Code Maintenance	IC
ICDOCALC	ICDMCALC	Multiple Account Online Calculation	IC
ISDRTGSD	ISDERTGD	RTGS Directory Maintenance	IS
GWDOTBRW	MSDOUTBR	Outgoing Message Browser	MS
STDLOCCL	MSDLOCMN	Message Location Maintenance	MS
MSDADVFT	MSDADVFM	Advice Format Maintenance	MS
MSDCHGMN	MSDCHRMN	Message Charges Maintenance	MS
MSDCOMMS	MSDCOMPM	Common Group Message Maintenance	MS
MSDCOMPY	MSDCOMPT	Common Payment Message Type Maintenance	MS
MSDFFT	MSDFFTMN	Free Format Message Maintenance	MS
MSDMCS	MSDMGMCS	Message Media Control Maintenance	MS
MSDMEDIA	MSDMEDMT	Media Maintenance	MS
MSDMPYPR	MSDPMTPR	Common Payment Message Type Preference Maintenance	MS
MSDMSFMT	MSDMDFMT	Message Media Format Maintenance	MS
MSDMSTYP	MSDMSTYM	Message Type Maintenance	MS
MSDMT920	MSDGT920	Generate MT920	MS
MSDMTUDF	MSDRLSTP	STP Rule Maintenance	MS
MSDSWCHR	MSDSWFCR	SWIFT Characters	MS
MSSNOTIF	MSDNOTIB	SWIFT Message Notification Browser	MS

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Deprecated Function ID	New Function ID	Function Description	Module
MSDCPYUD	MSDCPGUD	Common Payment UDF	MS
MSDINRUT	MSDQMAP	Message Queue Mapping Maintenance	MS
MSDLOVRD	MSDMLOVR	Email Overrides	MS
MSDPRMAP	MSDPRDMP	Message Product Mapping Maintenance	MS
MSDQUEUE	MSDQMNT	Message Queue Maintenance	MS
RECEXTAC	RECXTACC	Reconciliation Details	NR
REDSTMIN	REDXSTIN	Reconciliation External Statement Input	NR
REDEXTAC	REDXTACC	Reconciliation External Account Maintenance	NR
PCDDRAGT	PCDDRAGT	Debtor Agreement Maintenance	PC
REDCLASS	REDXCLAS	Reconciliation Class Maintenance	RE
RESCLASS	RESXCLAS	Reconciliation Class Summary	RE
RESEXTAC	RESXTACC	Reconciliation External Account Summary	RE
RESSTMIN	RESXSTIN	Reconciliation External Statement Summary	RE
SIDDIARY	SIDXDIAR	Standing Instruction Diary	SI
SISDIARY	SISXDIAR	Standing Instruction Diary Summary	SI
SMDBRRES	SMDBRRST	Branch Restrictions	SM
CSSOVDMT	CSSOVDME	Overrides Summary	SM
SMSBRRES	SMSBRRST	Branch Restrictions-Summary	SM
CSDOVDMT	CSDOVDME	Overrides Maintenance	SM
SMDPRCDF	SMDPRCDE	Process Definition	SM
STSPRGRP	STSPRGRT	Product Group Summary	ST
STSCSCAT	STSCSCAG	Customer Categories Summary	ST
STSCCMNT	STSCCMNE	Customer Classification Summary	ST
STSFLTDS	STSFLTMT	Float Days Summary	ST
STSRELMT	STSRELMN	Relation Summary	ST

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Deprecated Function ID	New Function ID	Function Description	Module
STSRKMNT	STSRSKMT	Risk Category Summary	ST
STSDEALR	STSDLRMT	Dealer Summary	ST
STSCUREL	STSCULMN	Customer Linkage Summary	ST
STSCIFNM	STSCIFNT	Customer Name Summary	ST
STSCUSPR	STSCUPRT	Customer Prefix Summary	ST
STSCULOC	STSCULOE	Location Summary	ST
STDBREST	STDBRRES	Batch Restriction Maintenance	ST
STDCSCAT	STDCSCAG	Customer Category Maintenance	ST
STDCUREL	STDCULMN	Customer Linkage Maintenance	ST
STDRELMT	STDRELMN	Relation Maintenance	ST
STSWUNAT	STSVWPEN	Pending Maintenances	ST
STDPRGRP	STDPRGRT	Product Group Maintenance	ST
STDFLTDS	STDFLTMT	Float Days Maintenance	ST
STDDEALR	STDDLRMT	Dealer Maintenance	ST
STDCUSPR	STDCUPRT	Customer Prefix Maintenance	ST
STDCULOC	STDCULOE	Location Maintenance	ST
UDDFNMNT	UDDFFLMT	User Defined Fields Function Field Mapping Maintenance	ST
STDRKMNT	STDRSKMT	Risk Category Maintenance	ST
STDCCMNT	STDCCMNE	Customer Classification Maintenance	ST
STDCIFNM	STDCIFNT	Customer Name Maintenance	ST
STDCARDA	SWDCARDA	Card Account Details	SW
STDCUSTM	SWDCUSTM	Card Customer Maintenance	SW
SWDUPDET	SWDUTLPR	Utility Provider Details	SW
ICDINSTR	ICDINSMT	Term Deposit – Instructions	TD

2. Components of the Software

2.1 Documents accompanying the software

The various documents accompanying the software are as follows:

- Release Note
- Installer Kit
- User Manuals and Installation manuals - These can be accessed from the link http://docs.oracle.com/cd/E56600_01/homepage.htm

2.2 Software Components

Software Components of Oracle FLEXCUBE Universal Banking 12.0.87.1.0 that form part of this release are as follows:

- Host
  - UI Components (JS,XML)
  - Stored Procedures (Packages, Functions, Procedures, Triggers, Views)
  - Reporting Components(Data models(xdm), Reports(xdo and rtf))
- New UI Application Server
  - Java Sources
  - Configuration files used for deployment
- Interface
  - ASCII interface sources
    - → Stored Procedures (Packages, Functions, Procedures, Triggers, Views)
- Branch
  - Stored Procedures (Packages, Functions, Procedures, Triggers, Views)
  - UI Components (JS,XML)
  - Java sources
- Gateway
- Java application layer
    - → Java sources
    - → Configuration files used for deployment
  - Messaging layer
    - → Stored Procedures (Packages, Functions, Procedures, Triggers, Views)
  - Services
    - → The WSDL files for the service supported
    - → The XSDs of the messages involved
    - → Structure (dictionary) of the XSD documented as excel sheets (Message-dictionary-xls)
    - → The service documents – describing the services
- Conversion Utilities
- Installation utilities

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- Front end based installation for host
- Front end based installation for branch database
- Front end based installation for branch front end
- Script based installation for interface backend
- Script based installation for interface application server components
- Front end based installation for Gateway backend
- Script based installation for gateway application server components
- Installation documents for
  - Oracle FLEXCUBE Installer documents
  - Gateway
  - Switch Interface

- SMS Related Components
- Online Help Files

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3. Annexure – A: Environment Details

Component	Deployment option	Machine	Operating System	Software	Version
Oracle FLEXCUBE Universal Banking	UI-Host and centralized	Application server	List of operating systems are listed below the table	Oracle WebLogic Server 11g R1	10.3.6
				JDK 1.7	JDK 1.7 Update 60
				Open Symphony Quartz	2.1.7
				Fujitsu Interstage Application Server–Enterprise Edition	11.1
				Oracle WebCenter Content: Imaging	11.1.1.7.0
		Database Server		Oracle Database 12c Enterprise Edition	12.1.0.1.0
		Reporting Server		Oracle BI Publisher 11g	11.1.1.7.0
		FLEXCUBE Information server		Oracle Business Intelligence Enterprise Edition 11g (OBIEE)	11.1.1.7.0
		Client Machines	Windows 7	Internet Explorer	/9.0/ 10.0/11.0
				Mozilla Firefox	24.x
				Opera	18.0.1284. 68
				Apple Safari	6.0.1
				Google Chrome	35.x
		Client Machine	Windows 8	Internet Explorer	11.0

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Component	Deployment option	Machine	Operating System	Software	Version
Oracle FLEXCUBE Universal Banking	UI-Host and centralized	Single Sign On Server	List of operating systems are listed below the table	JDK 1.7	JDK 1.7 Update60
				Weblogic	10.3.6
				Oracle Identity Management	11.1.1.5.0
				Oracle Identity And Access Management	11.1.1.5.0
				Oracle Webtier Utilities	11.1.1.6
				Oracle Webtier Utilities Patch	p14264658
				Oracle Webgate	11.1.1.5
Oracle FLEXCUBE Universal Banking Integration Gateway	Web services (incoming)	Integration Server	List of operating systems are listed below the table	Oracle WebLogic Server 11g R1 (JDK 1.7 Update 51)	10.3.6
	HTTP Servlet (incoming)				
	EJB (incoming)				
	MDB (incoming)	Integration Server		Oracle WebLogic Server 11g R1	10.3.6
	Notifications (outgoing)	Integration Server		Oracle WebLogic Server 11g R1	10.3.6
Oracle FLEXCUBE	Switch Integration	Integration Server		JDK 1.7	JDK 1.7 Update 60

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Component	Deployment option	Machine	Operating System	Software	Version
Universal Banking Switch Integration Gateway	Gateway			Apache Ant	1.7.1

Compatible operating systems are as follows:

1. Oracle Enterprise Linux X86-64

2. Microsoft Windows x64 (64 Bit)

3. Oracle Solaris 10 on SPARC (64 Bit)

Oracle FLEXCUBE Universal Banking application is available in Oracle Software Delivery Cloud for the above Operating Systems.

Note: During the testing exercise the Operating System used for the various components was Oracle Solaris 10 on SPARC and Oracle Enterprise Linux 6.4

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4. Annexure – B: Third Party Software Details

Vendor Name	Licensed Technology	Version
Apache	Ant	1.7.1
Apache	Apache Commons Transaction 1.2	1.2
Apache	Apache POI	3.8
Apache	Apache XMLBeans	2.3
Apache	Commons Codec	1.2
Apache	Commons Pool	1.2
Apache	Commons-Collections	2.1
Apache	httpclient	4.3.3
Apache	httpcore	4.3.2
Apache	Log4J	1.2.16
Apache	Xalan	2.7.1
Apache	commons-io-1.2.jar	1.3
Apache	dbcp (commons-dbcp-1.2.1.jar)	1.2.1
Apache	xercesImpl.jar	2.11.0
Fontbox	Font box	0.1.0
MetaStuff, Ltd.	Dom4j	1.6.1
Terracotta, Inc.	Quartz	2.1.7
PDFBox	PDFBox Library	0.7.3
Sean Owen	PJL Compressing Filter	1.7
Apache	xml-commons-resolver	1.2
The Apache Software Foundation	Apache Commons Logging	1.0.4
Apache	Apache Commons Net	2

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Vendor Name	Licensed Technology	Version
The Apache Software Foundation	commons-discovery-0.2.jar	0.2
Apache	xml-apis.jar	1.4.01
Apache	commons-fileupload	1.3.1
Sun	Swing Layout	1.0.4
Yahoo	YUI Compressor	2.4.7
Apache	serializer-2.7.1.jar	2.7.1
SLF4J	slf4j-api-1.6.1.jar	1.6.1
SLF4J	slf4j-log4j12	1.6.1

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5. Annexure – C: Module Code and Description

Module Code	Module Description
AM	Asset Management
ATM	Auto teller machine
BC	Bills & Collections
CASA	Current and Savings accounts
CD	Corporate Deposits
CE	Core Entities
CI	Islamic loans
CL	Consumer Lending
CN	Collection
CO (Core)	FLEXCUBE Core
CS	Core Services
DE	Data Entry
DL	Deposit locker
DS	Delivery System
DV	Derivatives
ED	Exchange Traded Derivatives
EG	Enterprise GL
FA	Fixed Assets
FC	FLEXCUBE Corporate
FGL	FLEXCUBE General Ledger
FI	Islamic Fixed assets
FT	Funds Transfer
FX	Foreign Exchange

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Module Code	Module Description
IA	Islamic Asset Management
IB	Islamic Bills for collection
IC	Interest & Charges
ID	Islamic Derivatives
IF	Interface
II	Islamic ILM
ILM	Integrated Liquidity Management
IN	Intermediary
IP	Islamic Profit
IRM	Industry Reference Model
IT	Interactions
IV	Inventory
IZ	Islamic Securitization
LC	Letters of Credit
LD	Loans and Deposits
LE	Leasing
LI	Islamic letter of Credit
LM	Limits Maintenance
LQ	Liquidation Management
LS	Loan Syndication
MF	Micro Finance
MIS	Management Information System
MM	Money market
MO	Mortgages
OR	Origination

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Module Code	Module Description
OT	Options
PC	Payments & Collections
PD	Post Dated Cheques
RB	Retail Bills
RE	Nostro Reconciliation
RP	Relationship Pricing
SE	Securities
SF	Structured Deposits
SI	Standing Instructions
SW	Switch Gateway
TD	Term Deposit
WB	Web Branch
WF	Work Flow
XP	Expense Processing

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