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## 1. Understanding Patch Releases

A patch release is an official Oracle patch release for Oracle Banking Products. For Innovation Patch set releases, the third digit will increment for each patch set. For example, Release 14.5.1.0.0 is the first Innovation line patch for Release on 14.5. Each patch release includes libraries and files that have been rebuilt to implement one or more fixes. Each Innovation patch release is incremental. In other words, the latest Innovation patch release includes new enhancements, fixes released after last Innovation patch released for the same release.

## 2. Patch Requirements

Customers installing this release should refer to 14.5\_Patchset\_Deployment\_Guidelines.docx included in the 14.5.1.0.0 Patch Release zip file. Innovation patch set releases starts from 14.5.1.0.0. The pre-requisite is to apply the main release and the first innovation patch set 14.5.1.0.0 successfully.

## 3. Applying the Patch Release

Customers installing this patch release should refer to the "Installation Guide" chapter in the Oracle Banking Treasury Management Release 14.5.2.0.0 Install and Upgrade Guide, which is available here:

[https://docs.oracle.com/cd/F45885\\_01/install.htm](https://docs.oracle.com/cd/F45885_01/install.htm)

Customers installing this patch release must refer to the Readme, Patch set and Java Services deployment guides included in the Patch Release zip file.

## 4. Abbreviations and Acronyms

Abbreviation	Description
OBTR	Oracle Banking Treasury Management
EBR	Edition Based Redefinition
CPTR	Coupon Transfer
SGEN	Settlement Message
LOV	List of Values
BOD	Beginning of Day
RFR	Risk Free Rates
ZDT	Zero Down Time

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## 5. Module Code and Description

Module Code	Module Description
FX	Foreign Exchange
MM	Money market
SE	Securities
DV	Derivatives
ED	Exchange Traded Derivatives
OT	Over The Counter Derivatives
ID	Islamic Derivatives
MC	Islamic Money Markets
SR	Securities Repo and Reverse Repo

## 6. Enhancements

### 6.1 Zero Down Time Patching Using EBR – Phase 1

Patch set Installation with Zero down time (ZDT) requires Installer to use Editions in a Database Schema.

Installer is enhanced to use Database Schema Editions and apply the DB compilation in patch set edition and then Base edition in a staggered manner to achieve Zero Downtime during the Patch set Installation.

Installer is enhanced to have the JDBC connections through Application, Gateway etc. to point to a specific edition (Patch set edition or Base edition) at appropriate stages.

Note: For installation, Zero Down Time Database Setup User manual section.

### 6.2 Multiple Media Support for Advice Generation

The system is enhanced to generate advices for multiple media within same location for modules FX, MM and OT.

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### **6.3 Payment Message Handling for NOSTRO and Current Type Settlement Accounts**

The system is enhanced to generate payment message only when the settlement account is of NOSTRO type for the Settlement Instructions module.

### **6.4 Interest Rate Becomes Zero When MM Contract Booked through Arbitrage and Interest is Negative**

The system is enhanced to support MM Negative interest rate in FX Internal swap deals booked within a bank between FX and MM desks.

### **6.5 OBTR-FCUBS Relationship Pricing integration**

The system is enhanced to integrate OBTR with FCUBS for picking Relationship Pricing for modules DV and OT.

### **6.6 Price Quotation Support for Repo**

Price Quotation field is added in Repo block which will be used in the total amount calculation for the SR module.

### **6.7 GW Query and Notification Services for DVDCPMNT**

GW query and notification services enabled for DV Counter Party Master Agreement Maintenance (DVDCPMNT) screen for the DV module.

### **6.8 Manual Processing Of Revaluation and Posting Backdated Accounting Entries for Correction**

Introduced New function to manually trigger revaluation with updated price and post backdated accounting entries for adjusting the past revaluation for the SE module.

### **6.9 Additional Interest calculation Methods for Bonds**

The system is enhanced to support new calculation method Act/Act-ICMA and introduced rounding preferences for unit coupon calculations for the Securities module.

### **6.10 Instrument Level Preference at Portfolio Screen**

Instrument Specific Premium/Discount level preferences are introduced in Portfolio level where user can select Discount or Premium accrual methods based on Instrument type and Redemption type of Instruments for the SE module.

### **6.11 Back Dated Coupon Rate Revision for Floating Bonds**

The system is enhanced to support Back Dated correction of coupon rates applied for Floating Rate type of Bonds for the SE module.

### **6.12 Automated Processing and SGEN Support for CPTR event**

Triggering SGEN is enabled for payments from CPTR (Coupon transfer) event for SR module. Also enabled BOD processing for CPTR event with support for payment delay.

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### **6.13 Incremental Changes for Trade Date Accounting for Portfolios with Deal Matching**

The system is enhanced to support Trade Date Accounting for portfolios with Deal Matching (DM) costing methods for the SE module.

### **6.14 Enabling gateway to Match or Un-Match Deals from External System**

The system is enhanced to support Match/Un-Match deals from the external system through a gateway for the ED module.

### **6.15 Incremental changes for Supporting Payment Delay in Combination with Other RFR Parameters**

The system is enhanced to support Payment Delay with the below combination of RFR parameters in MM, SR, and SE modules.

Lockout + Payment delay,

Lookback + Payment delay,

Lockout + Lookback + Payment Delay

### **6.16 SGEN Support Considering RFR Parameters**

The system is enhanced to support triggering SGEN only if the interest amount to settle is finalized considering RFR parameters for the MM, SR, and SE module.

### **6.17 Incremental changes for New Brokerage Commission Setup to Include Delay Type as Criteria**

The system is enhanced to support defining different Brokerage setup based on Deal type field for the ED module.

### **6.18 Enhancements to Linked Entities Subsystem**

The system is enhanced to support capturing of different parties involved in processing the contract for the ED and SR modules.

### **6.19 Enhancements to Collateral-Netting Subsystem**

The system is enhanced to support capturing Collateral and Netting preferences for the contract with or without any agreements for the ED and SR modules.

### **6.20 Enhancements to Margin Call Processing**

The system is enhanced to capture additional information for Margin call processing for an Agreement or Contract for the ED and SR modules.

### **6.21 Enhancement Related to RFR**

#### **Error Handling for RFR**

The system is enhanced to give error on screen during deal booking in case of any RFR related failure in the MM, SR, SE, DV, OT, IC and ID modules.

#### **RFR Payment Delay Method in OT**

RFR payment delay method is added to the OT module.

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**RFR Observation Shift Changes**

The system is enhanced to support RFR observation period shift changes in MM, SR, SE, and DV modules.

**Enable RFR Deal Booking From Non-RFR Product**

The system is enhanced to allow the booking of RFR deals from existing non RFR products for MM, SE, SR, DV, and OT modules.