Oracle Utilities Meter Data Management Release 2.0.1

Utility Reference Model

5.6.3.3 MDM Manage Device De-Installation, Decommissioning and Retirement

February 2014

ORACLE

Oracle Utilities Meter Data Management Utility Reference Model 5.6.3.3 Release 2.0.1

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Chapter 1

Overview

This chapter provides a brief description of the MDM Manage Device De-Installation, Decommissioning and Retirement business process and associated process diagrams. This includes:

- **Brief Description**
    - **Actors/Roles**

Brief Description

Business Process: 5.6.3.3 MDM Manage Device De-Installation, Decommissioning and Retirement

Process Type: Process

Parent Process: 5.6.3 MDM Manage Supplies/Devices

Sibling Processes: 5.6.3.1 Manage Device and SP, 5.6.3.2.Manage Device Installation and Commissioning, 3.3.1.1. Maintain Contact

This process describes how devices are managed in MDM. This includes device removals and retiring a device. This process also includes device decommission. The process assumes that the device and service point has already been setup in MDM(See the sibling process listed above - 5.6.3.1 Manage Device and SP and 5.6.3.2.Manage Device Installation and Commissioning). De-installation, Decommissioning and Retirement can be initiated manually via user interface or automatically through a request from a third-party system.

Decommissioning is a command issued to inform the head-end system when a device is being removed from the AMI network, so that no further reads or events will arrive from the device. Decommissioning is invoked when a device must be removed or deactivated. The goal is to stop any communication between the device and the head-end system.

> **Note**: Current document represents complete process for Device Decommissioning. The MDM as an application provides ability to initiate command, orchestrate processing and record results. However the actual communication with any Head End System requires integration with Head End system(s) that could be implemented by using Oracle SGG or any other similar software or custom development.

Actors/Roles

The MDM Manage Device De-Installation, Decommissioning and Retirement business process involves the following actors and roles.

- **MDM Authorized User:** An authorized user of the Meter Data Management application
- **MDM Application:** The Meter Data Management system

Chapter 2

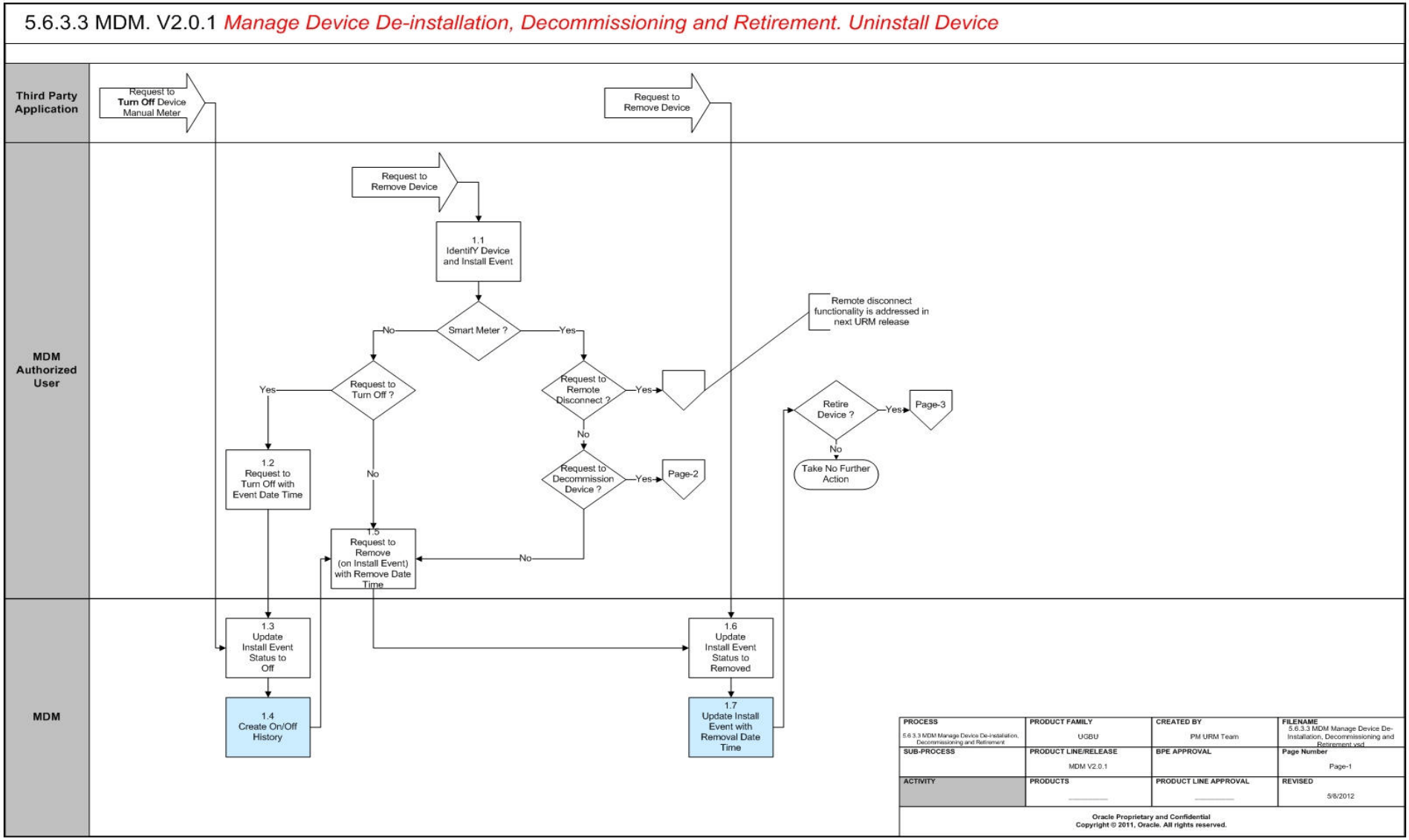
Detailed Business Process Model Description

This chapter provides a detailed description of the MDM Manage Device De-Installation, Decommissioning and Retirement business process. This includes:

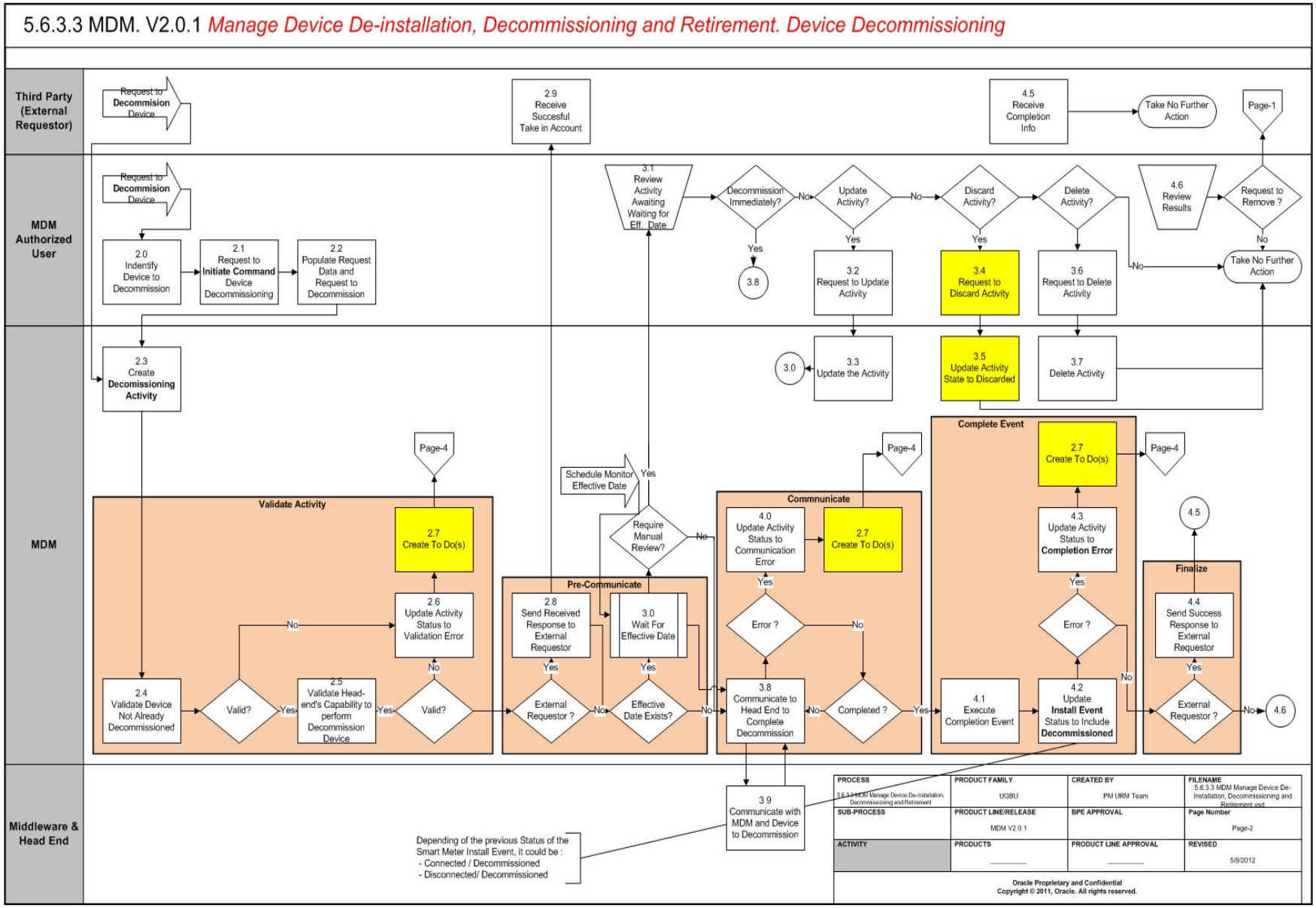
- **Business Process Diagrams**
  - **MDM Manage Device De-Installation, Decommissioning and Retirement Page 1**
  - **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2**
  - **MDM Manage Device De-Installation, Decommissioning and Retirement Page 3**
  - **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4**
- **MDM Manage Device De-Installation, Decommissioning and Retirement Description**
- **Related Training**

Business Process Diagrams

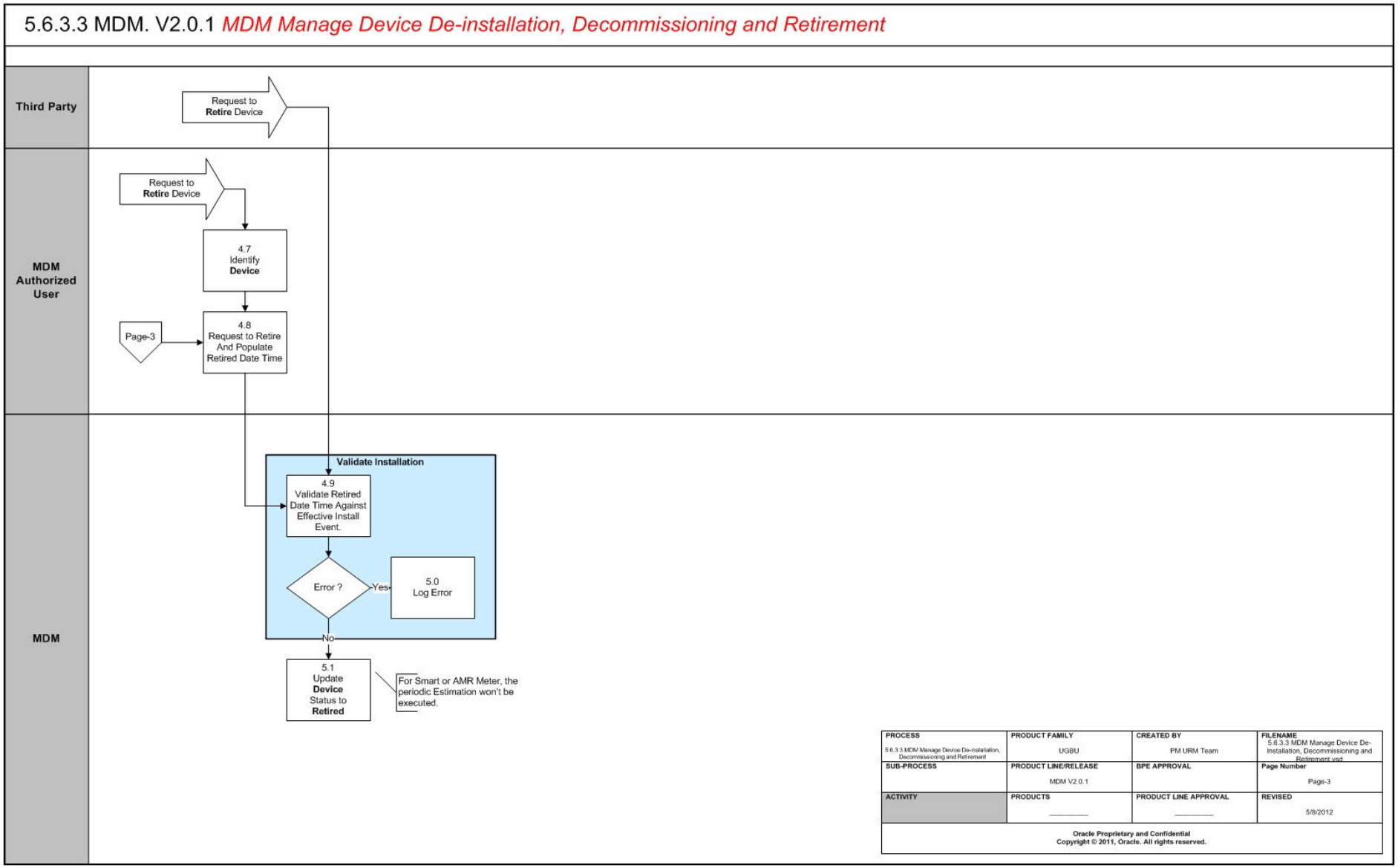
MDM Manage Device De-Installation, Decommissioning and Retirement Page 1



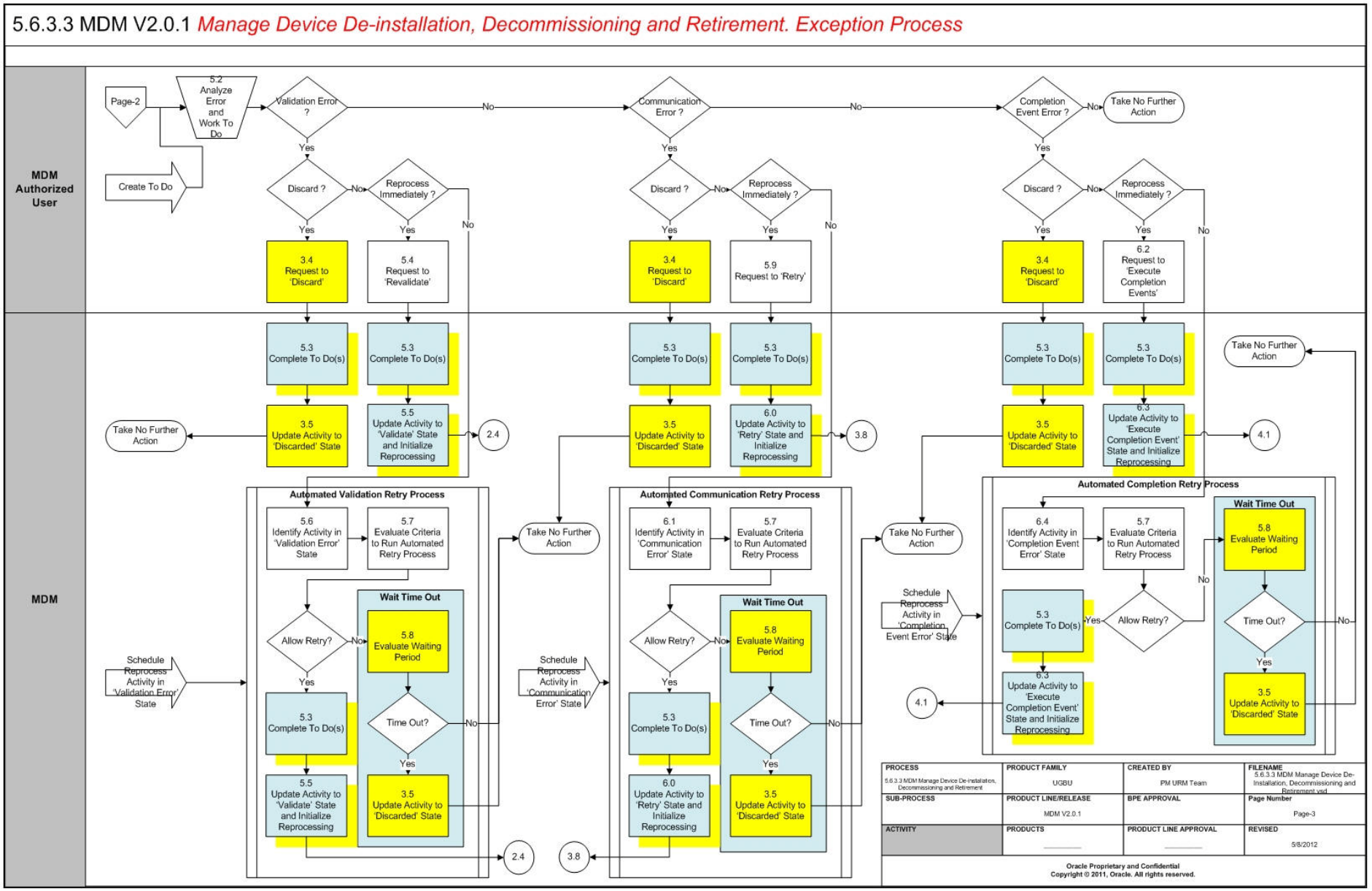
MDM Manage Device De-Installation, Decommissioning and Retirement Page 2



MDM Manage Device De-Installation, Decommissioning and Retirement Page 3



MDM Manage Device De-Installation, Decommissioning and Retirement Page 4



MDM Manage Device De-Installation, Decommissioning and Retirement Description

This section includes detailed descriptions of the steps involved in the MDM Manage Device De-Installation, Decommissioning and Retirement business process, including:

- **1.1 Identify Device and Install Event**
- **1.2 Request to Turn Off with Event Date and Time**
- **1.3 Update Install Event Status to Off**
- **1.4 Create On/Off History**
- **1.5 Request to Remove (on Install Event) with Remove Date Time**
- **1.6 Update Install Event Status to Removed**
- **1.7 Update Install Event with Removal Date Time**
- **2.0 Identify the Device**
- **2.1 Request to Initial Command Device Commissioning**
- **2.2 Populate Request Data and Request to Decommission**
- **2.3 Create Decommissioning Activity**
- **2.4 Validate Device Not Already Decommissioned**
- **2.5 Validate Head End's Capability Perform Decommission Device**
- **2.6 Update Activity Status to Validation Error**
- **2.7 Create To Do Entry**
- **2.8 Send Received Response to External Requestor**
- **2.9 Receive Successful Taken in Account**
- **3.0 Wait for Effective Dat**
- **3.1 Review Activity Waiting for Eff. Date**
- **3.2 Request to Update Activity**
- **3.3 Update the Activity**
- **3.4 Request to Discard Activity**
- **3.5 Update Activity State to Discarded**
- **3.6 Request to Delete Activity**
- **3.7 Delete Activity**
- **3.8 Communicate to Head End to Complete Decommission: Group - Communicate**
- **4.0 Update Activity Status to Communication Error**
- **4.1 Execute Completion Event**
- **4.2 Update Install Event Status to Include Decommissioned**
- **4.3 Update Activity Status to Completion Error**
- **4.4 Send Success Response to External Requestor**
- **4.5 Receive Completion Info**
- **4.6 Review Results**
- **4.7 Identify Device**

- **4.8 Request to Retire and Populate Retire Date Time**
- **4.9 Validate Retired Date time Against Effective Install Event**
- **5.0 Log Error**
- **5.1 Update Device Status to Retired**
- **5.2 Analyze Error and Work To Do**
- **5.3 Complete To Do(s)**
- **5.4 Request to 'ReValidate'**
- **5.5 Update Activity to 'Validate' State and Initialize Reprocessing**
- **5.6 Identify Activity in 'Validation Error' State**
- **5.7 Evaluate Criteria to Run Automated Retry Process**
- **5.6 Identify Activity in 'Validation Error' State**
- **5.7 Evaluate Criteria to Run Automated Retry Process**
- **5.8 Evaluate Waiting Period**
- **5.9 Request to 'Retry'**
- **6.0 Update Activity to 'Retry' State and Initialize Reprocessing**
- **6.1 Identify Activity in 'Communication Error' State**
- **6.2 Request to 'Execute Completion Events'**
- **6.3 Update Activity to 'Execute Completion Event' State and Initialize Reprocessing**
- **6.4 Identify Activity in 'Completion Event Error' State**

1.1 Identify Device and Install Event

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 1** on page 2-2 for the business process diagram associated with this activity.

Process: Uninstall Event

Actor/Role: MDM Authorized User

Description: The MDM Authorized User locates and identifies the device that needs to be removed.

1.2 Request to Turn Off with Event Date and Time

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 1** on page 2-2 for the business process diagram associated with this activity.

Actor/Role: MDM Authorized User

Description: The MDM Authorized User makes the request to update the status to turn off service at the service point.

1.3 Update Install Event Status to Off

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 1** on page 2-2 for the business process diagram associated with this activity.

Actor/Role: MDM

Description: The maintenance object for install event is updated to an off status.

Entities to Configure
Device
Service Point
Install Event

Business Objects	Available Algorithms
D1-ManualMeterInstallEvent	D1-CHKHISEVT

1.4 Create On/Off History

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 1** on page 2-2 for the business process diagram associated with this activity.

Actor/Role: MDM

Description: The install event device on/off status is updated.

Entities to Configure
Device
Service Point
Install Event

Business Objects	Available Algorithms
D1-ManualMeterInstallEvent	D1-CHKHISEVT

1.5 Request to Remove (on Install Event) with Remove Date Time

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 1** on page 2-2 for the business process diagram associated with this activity.

Actor/Role: MDM Authorized User

Description: The MDM Authorized User makes the request to remove the device on the SP

1.6 Update Install Event Status to Removed

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 1** on page 2-2 for the business process diagram associated with this activity.

Actor/Role: MDM

Description: The maintenance object for install event is updated to a remove status.

1.7 Update Install Event with Removal Date Time

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 1** on page 2-2 for the business process diagram associated with this activity.

Actor/Role: MDM

Description: The date and time for the Install Event will be updated.

2.0 Identify the Device

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Process: Decommission Smart Meter

Actor/Role: MDM authorized User

Description: The MDM Authorized User indentifies the device for decommissioning.

2.1 Request to Initial Command Device Commissioning

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Actor/Role: MDM Authorized User

Description: The MDM Authorized User makes the command request to de commission the device.

2.2 Populate Request Data and Request to Decommission

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Actor/Role: MDM Authorized User

Description: The authorized user populates the data and initiates the request to decommission the device.

2.3 Create Decommissioning Activity

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Actor/Role: MDM

Description: MDM creates the maintenance object with the data provided. When the activity is created, MDM creates an Activity ID.

Entities to Configure
Device
Service Point
Device Commission

Business Object(s)
D1-DeviceDecommission

2.4 Validate Device Not Already Decommissioned

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Group: Validate Activity

Actor/Role: MDM

Description: MDM validates the device can be decommissioned.

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-VALDVCNAD

2.5 Validate Head End's Capability Perform Decommission Device

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Group: Validate Activity

Actor/Role: MDM

Description: MDM validates the head end system ability to receive decommission commands and communicates with head end system.

Entities to Configure
Device

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-VHCPDCOMM

2.6 Update Activity Status to Validation Error

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Group: Validate Activity

Actor/Role: MDM

Description: MDM updates the status of the activity to Validation Error and creates a To Do Entry.

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-VALDVCNAD

2.7 Create To Do Entry

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Group: Validate Activity

Actor/Role: MDM

Description: Once the MDM system logs the errors, it creates a To Do entry for the Authorized User to allow Authorized User to review the problem and attempt to fix the error reported by system.

Entities to Configure
To Do Type
To Do Role

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-CTDEBOE

2.8 Send Received Response to External Requestor

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Group: Pre-Communicate

Actor/Role: MDM

Description: During the pre-communication process, MDM sends a "received" response to a third-party system.

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-RRER

2.9 Receive Successful Taken in Account

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Actor/Role: Third Party (External Requestor)

Description: The third-party systems pre-communication process, MDM sends a receive response to a third-party system.

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-RRER, D1-DSCRRER

3.0 Wait for Effective Dat

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Group: Pre-Communicate

Actor/Role: MDM

Description: MDM has a holding stage in the pre-communication process that looks at the effective date of the decommission request.

Customizable Processes
D1-CRWT (Command Request Wait - Monitor)
D1-OCWT (Outbound Communication Wait - Monitor)

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-WAITEFFDT

3.1 Review Activity Waiting for Eff. Date

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Actor/Role: MDM Authorized User

Description: MDM Authorized user waits for the effective date of the decommission request.

3.2 Request to Update Activity

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Actor/Role: MDM Authorized User

Description: MDM Authorized User initiates the request to update the activity.

3.3 Update the Activity

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Actor/Role: MDM

Description: MDM updates the activity.

3.4 Request to Discard Activity

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Actor/Role: MDM Authorized User

Description: MDM Authorized User decides that the Activity cannot be used and manually makes a request to discard it.

Business Object(s)
D1-DeviceDecommission

3.5 Update Activity State to Discarded

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Actor/Role: MDM

Description: MDM updates the activity status to "Discarded".

3.6 Request to Delete Activity

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Actor/Role: MDM Authorized User

Description: MDM Authorized User initiates the request to delete the activity.

3.7 Delete Activity

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Actor/Role: MDM

Description: MDM deletes the activity.

3.8 Communicate to Head End to Complete Decommission: Group - Communicate

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Group: Communicate

Actor/Role: MDM

Description: MDM creates an outbound communicates the head end system.

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-VHCPDCOMM

4.0 Update Activity Status to Communication Error

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Group: Communicate

Actor/Role: MDM

Description: MDM updates the activity status with a Communication Error if there is an issue connecting to the head end system.

4.1 Execute Completion Event

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Group: Complete Event

Actor/Role: MDM

Description: During the complete event process, there is an MDM request to create the discard activity.

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-EXCMPEVTS

4.2 Update Install Event Status to Include Decommissioned

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Group: Complete Event

Actor/Role: MDM

Description: During the complete event process, the status of the install event is updated to decommission.

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-EXCMPEVTS
D1-DecommissionDevice	D1-DECMDEV

4.3 Update Activity Status to Completion Error

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Group: Complete Event

Actor/Role: MDM

Description: During the complete event process, if there is an error to update the status to decommissioned, a status of completion error is created and a to do entry is created.

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-EXCMPEVTS

4.4 Send Success Response to External Requestor

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Group: Finalize

Actor/Role: MDM

Description: After the completion event, MDM goes into the Finalize process and sends a response to the external requestor.

4.5 Receive Completion Info

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Actor/Role: Third Party (External Requestor)

Description: The third party system receives the completion information from the third-party system.

4.6 Review Results

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Actor/Role: MDM Authorized User

Description: MDM Authorized User reviews the results and determines request to remove.

4.7 Identify Device

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 2** on page 2-3 for the business process diagram associated with this activity.

Process: Retire Device

Actor/Role: MDM Authorized User

Description: MDM Authorized User indentifies the device to retire.

4.8 Request to Retire and Populate Retire Date Time

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 3** on page 2-4 for the business process diagram associated with this activity.

Actor/Role: MDM Authorized User

Description: MDM Authorized User populates the data and initiates the request to retire the device.

4.9 Validate Retired Date time Against Effective Install Event

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 3** on page 2-4 for the business process diagram associated with this activity.

Group: Validate Installation

Actor/Role: MDM

Description: MDM Authorized User populates the data and initiates the request to decommission the device.

Business Object(s)
D1-VALRETDT

5.0 Log Error

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 3** on page 2-4 for the business process diagram associated with this activity.

Group: Validate Installation

Actor/Role: MDM

Description: MDM Authorized User populates the data and initiates the request to decommission the device.

Business Object(s)
D1-VALRETDT

5.1 Update Device Status to Retired

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 3** on page 2-4 for the business process diagram associated with this activity.

Actor/Role: MDM

Description: MDM Authorized User populates the data and initiates the request to decommission the device.

5.2 Analyze Error and Work To Do

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4** on page 2-5 for the business process diagram associated with this activity.

Actor/Role: MDM Authorized User

Description: MDM Authorized User analyzes the error logged and respective 'To Do' created to determine the corrective action. User performs work to resolve the error.

Business Object(s)
D1-DeviceDecommission

5.3 Complete To Do(s)

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4** on page 2-5 for the business process diagram associated with this activity.

Actor/Role: MDM

Description: MDM find all non-completed 'To Do' entries and completes them before reprocessing.

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-GTDCBO (Generic To Do Completion for BOs)

5.4 Request to 'ReValidate'

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4** on page 2-5 for the business process diagram associated with this activity.

Actor/Role: MDM Authorized User

Description: When the Activity is in 'Validation Error' state and MDM Authorized User has corrected the error, can manually make request to 'Revalidate'.

Business Object(s)
D1-DeviceDecommission

5.5 Update Activity to 'Validate' State and Initialize Reprocessing

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4** on page 2-5 for the business process diagram associated with this activity.

Actor/Role: MDM

Description: MDM transitions the Activity to 'Revalidate' state and initializes reprocessing.

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-RBOE (Retry BO in Error)

5.6 Identify Activity in 'Validation Error' State

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4** on page 2-5 for the business process diagram associated with this activity.

Actor/Role: MDM

Description: MDM identifies all Device Decommission Activities in 'Validation Error' state.

Customizable process
D1-CRERR (Command Request Error - Retry)

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-RBOE (Retry BO in Error)

5.7 Evaluate Criteria to Run Automated Retry Process

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4** on page 2-5 for the business process diagram associated with this activity.

Actor/Role: MDM

Description: Batch process is configured for this automated retry process. Batch parameters govern whether the processing is further restricted by maintenance object, batch code, command request type, business object, status, etc. Currently, the Batch process used for reprocessing the Activity is "Command Request Error - Retry (D1-CRERR)". This batch process invokes monitoring rules associated with the current state of Activity.

Customizable process
D1-CRERR (Command Request Error - Retry)

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-RBOE (Retry BO in Error)

5.6 Identify Activity in 'Validation Error' State

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4** on page 2-5 for the business process diagram associated with this activity.

Group: Automated Validation Retry Process

Actor/Role: MDM

Description: MDM identifies all Device Decommission Activities in 'Validation Error' state.

Customizable process
D1-CRERR (Command Request Error - Retry)

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-RBOE (Retry BO in Error)

5.7 Evaluate Criteria to Run Automated Retry Process

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4** on page 2-5 for the business process diagram associated with this activity.

Group: Automated Validation Retry Process

Actor/Role: MDM

Description: Batch process is configured for this automated retry process. Batch parameters govern whether the processing is further restricted by maintenance object, batch code, command request type, business object, status, etc. Currently, the Batch process used for reprocessing the Activity is "Command Request Error - Retry (D1-CRERR)". This batch process invokes monitoring rules associated with the current state of Activity.

Customizable process
D1-CRERR (Command Request Error - Retry)

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-RBOE (Retry BO in Error)

5.8 Evaluate Waiting Period

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4** on page 2-5 for the business process diagram associated with this activity.

Group: Automated Validation Retry Process

Actor/Role: MDM

Description: MDM evaluates the waiting period to ensure that the Activity does not stay in its current state for too long. On the expiration of the wait time, it transitions the Activity to 'Discard' State.

Customizable process
D1-CRERR (Command Request Error - Retry)

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-WTTMOUT (Wait Time Out - Transition to Rejection)

5.9 Request to 'Retry'

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4** on page 2-5 for the business process diagram associated with this activity.

Actor/Role: MDM Authorized User

Description: When the Activity is in 'Communication Error' state and MDM Authorized User has corrected the error, can manually make request to 'Retry'.

Business Object(s)
D1-DeviceDecommission

6.0 Update Activity to 'Retry' State and Initialize Reprocessing

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4** on page 2-5 for the business process diagram associated with this activity.

Group: Automated Communication Retry Process

Actor/Role: MDM

Description: MDM transitions the Activity to 'Retry' state and initializes reprocessing.

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-RBOE (Retry BO in Error)

6.1 Identify Activity in 'Communication Error' State

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4** on page 2-5 for the business process diagram associated with this activity.

Group: Automated Communication Retry Process

Actor/Role: MDM

Description: MDM identifies all Device Decommission Activities in 'Communication Error' state.

Customizable process
D1-CRERR (Command Request Error - Retry)

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-RBOE (Retry BO in Error)

6.2 Request to 'Execute Completion Events'

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4** on page 2-5 for the business process diagram associated with this activity.

Actor/Role: MDM Authorized User

Description: When the Activity is in 'Completion Event Error' state and MDM Authorized User has corrected the error, can manually make request to 'Execute completion events'.

Business Object(s)
D1-DeviceDecommission

6.3 Update Activity to 'Execute Completion Event' State and Initialize Reprocessing

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4** on page 2-5 for the business process diagram associated with this activity.

Actor/Role: MDM

Description: MDM transitions the Activity to 'Execute Completion Event' state and initializes reprocessing.

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-RBOE (Retry BO in Error)

6.4 Identify Activity in 'Completion Event Error' State

See **MDM Manage Device De-Installation, Decommissioning and Retirement Page 4** on page 2-5 for the business process diagram associated with this activity.

Group: Automated Completion Retry Process

Actor/Role: MDM

Description: MDM identifies all Device Decommission Activities in 'Completion Event Error' state.

Customizable process
D1-CRERR (Command Request Error - Retry)

Business Objects	Available Algorithms
D1-DeviceDecommission	D1-RBOE (Retry BO in Error)

Related Training

The following User Productivity Kit (UPK) modules provide training related to this business process:

- Oracle Utilities UPK for Meter Data Management Administrative Setup
- Oracle Utilities UPK for Meter Data Management User Tasks
- Oracle Utilities UPK for Meter Data Management VEE and Usage Rules
- Oracle Utilities UPK for Meter Data Management Working with Measurement Data