

# Contents

## 1 Maintenance Overview

- Learning Objectives 1-2
- Topics 1-3
- Maintenance Cloud: An Introduction 1-4
- Maintenance Cloud: Plan to Prevent 1-5
- Maintenance Cloud: Key Benefits 1-6
- Maintenance Cloud: Key Features 1-7
- Maintenance Cloud: Comprehensive Support for Maintainable Assets 1-8
- Maintenance Cloud: Setup of Maintenance Organizational Data 1-9
- Topics 1-10
- Maintenance Management: Single Sign-On 1-11
- Maintenance Management Work Area: Navigation 1-12
- Maintenance Management Landing Page: Infolets 1-13
- Maintenance Tasks 1-14
- Use Deep Links to Speed Navigation 1-15
- Summary 1-16

## 2 Maintenance Setup

- Learning Objectives 2-2
- Topics 2-3
- Overview of Maintenance Setup 2-4
- Managing Work Definitions 2-5
- Setup and Work Definition 2-6
- Topics 2-7
- Inventory Organization Setup Detail 2-8
- Plant Parameters: Plant Details Tab 2-9
- Plant Parameters: Work Definition and Work Execution Tabs 2-10
- Plant Parameters: Maintenance Programs Tab 2-12
- Maintenance Plant Profile Options Setup Detail 2-13
- Manage Lookups for Maintenance 2-14
- Considerations for Setup 2-15
- Work Area Setup Detail 2-16
- Resources Setup Detail 2-17
- Resource Instances 2-18
- Work Centers Setup Detail 2-19

Work Centers – Resource Availability Setup Detail 2-20  
Overview of Maintenance Organization Data 2-21  
Using Standard Operations in Work Definitions and Work Orders 2-22  
Demonstration: 2-1 2-23  
Demonstration: 2-2 2-24  
Top Implementation Tips 2-25  
Summary 2-26

### **3 Manage Items**

Learning Objectives 3-2  
Topics 3-3  
Item Terminology 3-4  
Topics 3-5  
Item and Maintainable Asset 3-6  
Topics 3-7  
Creating Items for Maintainable Asset 3-8  
Creating Maintenance Items Manually 3-9  
Assigning Maintenance Items to Organization 3-12  
Summary 3-14

### **4 Manage Work Definitions**

Learning Objectives 4-2  
Topics 4-3  
Maintenance Work Definitions: Introduction 4-4  
Maintenance Work Definitions: Benefits 4-5  
Topics 4-7  
Creating Maintenance Work Definition 4-8  
Creating Maintenance Work Definition: Create New 4-9  
Creating Maintenance Work Definition: Create from Existing 4-10  
Creating Maintenance Work Definition: Create Operations 4-11  
Creating Maintenance Work Definition: Visual Editor 4-12  
Work Definition: Operations Editing 4-13  
Resequence Work Order Operation: Work Definition 4-14  
Work Definition: Operations and Material (Item) Editing 4-15  
Work Definition: Resource Editing 4-17  
Import Work Definitions Through Spreadsheet 4-19  
Practice: 4-1 4-20  
Topics 4-21  
Work Definition: Managing Versions 4-22  
Summary 4-23

## **5 Manage Assets**

- Learning Objectives 5-2
- Topics 5-3
- Introduction to Asset Definition 5-4
- Types of Assets 5-5
- Benefits of Asset Definitions 5-6
- Asset as Social Object in Oracle Social Network 5-7
- Topics 5-8
- Creating, Editing, and Managing Assets 5-9
- Creating a New Asset Manually 5-10
- Creating an Asset From an Existing Asset 5-12
- Creating an Asset Automatically 5-13
- Creating an Asset via Import/REST 5-14
- Create, Edit, and Manage Assets 5-15
- Managing an Asset 5-16
- Keyword and Saved Search 5-17
- Creating, Editing, and Managing Assets 5-18
- Edit Asset: Overview 5-19
- Create and Fulfill Sales Orders in Dual Units of Measure: Installed Base Asset 5-20
- Edit Asset: Last Sales Order Details and Cost Tabs 5-21
- Asset Definition: Attributes Overview 5-23
- Asset Definition: Location Types and Location 5-24
- Asset Hierarchy 5-25
- Asset Definition: End Date 5-26
- Asset 360 View 5-27
- Asset Definition: Maintenance Allowed and Allow New Work Orders 5-28
- Asset Definition: Using Favorites 5-29
- Asset Definition: Import Updates 5-30
- Application Composer 5-31
- Asset History 5-33
- Connect Your Installed Base Assets and Fixed Assets 5-34
- Practice: 5-1 5-35
- Topics 5-36
- Manage Asset Groups 5-37
- Asset Group Rules 5-38
- Asset Groups 5-39
- Topics 5-41
- Manage Assets Using Logical Hierarchy Relationships 5-42
- Create Logical Hierarchy Page 5-43
- Hierarchy Navigator Page 5-44
- Create a Work Order for an Asset from the Asset Hierarchy 5-45

- Topics 5-46
- Overview of Meters for Assets 5-47
- Manage Meters for an Asset 5-48
- Defining a Meter Template 5-49
- Associating a Meter Template to an Asset 5-50
- Recording Meter Readings for an Asset 5-51
- View and Edit Reading History 5-52
- Practice: 5-2 5-53
- Validations at the Time of Entering a New Meter Reading 5-54
- Topics 5-56
- Integration Architecture 5-57
- Assets Enabled for IoT 5-58
- Overview of IoT Asset Monitoring Cloud Service 5-59
- IoT Asset Monitoring 5-61
- Topics 5-62
- Mapping Overview 5-63
- Defining Service Mapping 5-64
- Defining Algorithms 5-65
- Summary 5-66

## **6 Manage Work Orders**

- Learning Objectives 6-2
- Topics 6-3
- Introduction to Work Orders 6-4
- Manage Work Orders: User Interface Flows 6-5
- Topics 6-6
- Managing Maintenance Work Orders 6-7
- Manage Maintenance Work Orders: Create 6-9
- Edit Work Order: General Information Tab 6-11
- Edit Work Order: Operations List Tab 6-12
- Operations List: Add Operations and Edit Operation Details 6-13
- Resequence Work Order Operation: Work Order 6-14
- Edit Operation: Add Operation Items and Edit Item Details 6-15
- Edit Work Order: Add Purchased Items 6-16
- Edit Work Order: Review Purchased Item Details 6-17
- Edit Operation: Add Resources and Edit Resource Details 6-18
- Work Order and Operation: Scheduling 6-19
- Work Order: Managing Exceptions 6-20
- Topics 6-21
- Work Order: Picking 6-22
- Work Order: Reservation 6-23

Topics 6-24  
Viewing Work Order Costs 6-25  
Practice: 6-1 6-26  
Topics 6-27  
Review Incidents in IoT 6-28  
Verify Updates to IoT Incidents 6-29  
Summary 6-30

## **7 Maintenance Programs**

Learning Objectives 7-2  
Topics 7-3  
Overview of Manage Maintenance Programs 7-4  
Manage Maintenance Programs: Search UI 7-5  
Manage Maintenance Programs: Overview Tab 7-6  
Manage Maintenance Programs: Work Requirements Tab 7-7  
Manage Maintenance Programs: Work Requirement 7-8  
Condition Event-Based Work Requirement 7-9  
Manage Maintenance Programs: Create and View Forecast 7-10  
Gantt Chart - Due Date Details Region 7-11  
Manage Maintenance Forecast Across Organizations 7-12  
Manage Preventative Maintenance for Assets Across Organizations 7-14  
Practice: 7-1 7-15  
Manage Maintenance Programs: Create and View Work Orders 7-16  
Practice: 7-2 7-17  
Summary 7-18

## **8 Material Availability Workbench for Maintenance**

Learning Objectives 8-2  
Overview of Material Availability Workbench 8-3  
Prioritize Work Orders Based on Material Availability Rules 8-4  
Material Availability Assignments and Details 8-6  
Reassign Available Materials for Work Order Prioritization 8-7  
Change the Status of Work Orders Based on Material Availability 8-9  
Pick Materials for Work Orders via Material Availability Assignments 8-10  
Summary 8-11

## **9 Manage Work Execution**

Learning Objectives 9-2  
Topics 9-3  
Introduction to Maintenance Work Execution 9-4  
Topics 9-5

Maintenance Dispatch List 9-6  
Maintenance Dispatch List: Manual Material and Resource Transactions 9-7  
Maintenance Dispatch List: Review Supplier Operation Details 9-8  
Maintenance Dispatch List: Create Inspection 9-9  
Practice: 9-1 9-10  
Topics 9-11  
Enable Inspections for Maintenance Work Orders 9-12  
Overview of Operation Transaction 9-13  
Resequence Work Order Operation: Dispatch List 9-14  
Topics 9-15  
Use Asset Hierarchy to Create Issues and Returns 9-16  
Material Transactions 9-17  
Issue or Return Materials for Work Orders Pending Installation or Removal 9-18  
Topics 9-19  
Resource Transaction 9-20  
Topics 9-21  
Maintenance Transaction History 9-22  
Practice: 9-2 9-23  
Topics 9-24  
Overview of Maintenance Exceptions 9-25  
Exception: Create and Edit: Maintenance Exception Page 9-26  
Practice: 9-3 9-28  
Summary 9-29

## **10 Asset Qualification**

Learning Objectives 10-2  
Create Qualification Requirements and Profiles 10-3  
Create Asset Qualification Record 10-4  
Associate Equipment Profile to Operation Resource 10-5  
Qualify Equipment When Assigning Work 10-6  
Qualify Equipment When Reporting Resource Usage 10-7  
Benefits of this Feature 10-8  
Additional Information 10-9  
Summary 10-10

## **11 Manage Asset Supplier Warranty**

Learning Objectives 11-2  
Topics 11-3  
Manage Asset Supplier Warranty 11-4  
Manage Supplier Warranty Claims and Entitlements 11-5  
Manage Warranty Coverages 11-6

- Manage Coverage Search 11-7
- Create New Coverage 11-8
- Topics 11-9
- Manage Warranty Contracts 11-10
- Manage Contract Search 11-11
- Create, Edit, and View a Contract 11-12
- Topics 11-13
- Manage Asset Supplier Warranty using Work Orders 11-14
- Topics 11-15
- Item Purchase, Receipt, and Asset Creation 11-16
- Topics 11-17
- Managing Maintenance Work Order Execution 11-18
- List of Warranty Contracts 11-19
- Summary 11-20

## **12 Predictive Analysis of Asset Health**

- Learning Objectives 12-2
- Overview of Predictive Analysis of Asset Health 12-3
- Metrics, Anomalies, and Predictions 12-4
- Evolution of Maintenance Strategies 12-5
- Analytics in IoT Applications 12-6
- Summary 12-7

## **13 Overview of Project-Driven Supply Chain**

- Overview of Project-Driven Supply Chain 13-2
- Project-Driven Supply Chain 13-3
- Features of Project-Driven Supply Chain 13-4
- Summary of Actions Needed to Use Project-Specific Manufacturing 13-5
- Associated Training 13-6
- Additional Resources 13-7

