Oracle Utilities Network Management System

Release Notes

Release 1.11.0.3

E36375-01

August 2012

ORACLE

Oracle Utilities Network Management System Release Notes

E36375-01

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Preface

These release notes provide an overview of the known issues in Oracle Utilities Network Management System Release 1.11.0.3.

This preface contains these topics:

- **Audience**
- **Related Documents**
- **Conventions**

Audience

Oracle Utilities Network Management System Release Notes is intended for anyone installing or using Oracle Utilities Network Management System Release 1.11.0.3.

Related Documents

For more information, see these Oracle documents:

- Oracle Utilities Network Management System Adapters Guide
- Oracle Utilities Network Management System Configuration Guide
- Oracle Utilities Network Management System Quick Install Guide
- Oracle Utilities Network Management System Installation Guide
- Oracle Utilities Network Management System User's Guide

Release Notes

Enhancements in Release 1.11.0.3

New and enhanced features inOracle Utilities Network Management System Release 1.11.0.3.

- **Switching Management Enhancements**
  - **Out of Order Step Execution**
  - **Delegated Control**
  - **Option to Exclude Simple Tags from Safety Docs**
  - **Detailed Error Messages for Failed Safety State Transition**
- **Web Workspace Enhancements**
  - **Support Display of Layered Symbols**
  - **SVG Symbol Support in Web Workspace Viewer**
  - **Load All Completed Events within a Date Range**

Switching Management Enhancements

Out of Order Step Execution

Motif Switching Management supported out of order step execution, but Web Switching Management required that steps be executed strictly in order. With this service pack, we have added an option to turn off in-order execution rules. There also is an option with how grouped steps should be processed. An option is added to indicate if grouped steps should be executed in order or allow out of order.

The options are implemented so that it can be turned on or off for each sheet type. In the product configuration the Emergency sheets don't need to be executed in order, but Planned sheets do.

It should be noted that Control Tool configured rules will still be valid even if the steps in a sheet can be completed out of order. For instance, you should not be able to operate a device when a tag is on it.

Delegated Control

A Delegated Control Zone safety document (DCZ) allows users to identify a section of the network that has been turned over to the field for operation. Note that it isn't selecting a specific NMS control zone, but rather selecting devices that will define a segment or zone of the network that is electrically valid as an isolatable segment. The operator is no longer in control of this section of the network. It is the responsibility of the crew to operate in a safe and secure manner and document the actions taken. This mode of operation is common in parts of Europe.

Option to Exclude Simple Tags from Safety Docs

Web Safety was designed to be closely tied to switching steps within the associated switching sheet. The appropriate tag or condition is required to be placed on the device before it can be issued. With this new feature, that requirement will be relaxed a bit. The new changes will allow a project to configure a device list on a safety document to be populated from device selections from the viewer instead of requiring the list to be populated from switching steps in the sheet.

Each device list will have Record On/Off, Add Device and Remove Device options. The Recording button can only be active for one list on any safety document associated to the sheet. This eliminates confusion about where the device selections will go when recorded. If record is active in one document and the user turns record on in another document, then recording will be turned off in the first document.

Detailed Error Messages for Failed Safety State Transition

When a safety document is issued/released, the conditions associated with it are locked/unlocked using the UpdateConditionStatus state transition callback. In the case of an error, it throws a StateTransitionException which contains the error code. It will contain list of handles of the failed switching steps.

In the Web Switching/Web Safety application when such exception is caught, a new error dialog will be displayed. The dialog will contain error message corresponding to the error code and list of the switching steps related to the failure to issue/release the safety document.

Also to avoid any issue with stuck safety documents (where the user is unable to release a safety document because an underlying condition got removed by a third party), a new parameter will be added to the UpdateConditionStatus state transition callback to ignore missing conditions.

Web Workspace Enhancements

Support Display of Layered Symbols

Conditions such operations notes or other types of conditions can be configured that allow system dispatchers and operators to input additional data. (This is a cross between a note and a tag.) A value is chosen from a list that sets the status of the condition so that a unique symbol can be applied to the device and represented in the viewer.

SVG Symbol Support in Web Workspace Viewer

The Web Workspace Viewer needs the ability to display symbols in a format that can be defined and edited by implementers and customers. Previously the Web Workspace Viewer supported legacy Motif style symbols (i.e., *SYM* files) and bitmap images (*e.g.*, GIF, JPG, PNG). However, since the NMS 1.11.0 release, there is no available editor for the legacy Motif symbols. Additionally, bitmap images do not scale well and can have substantial memory requirements.

Oracle Utilities Network Management System Release 1.11.0.3 introduces Scalable Vector Graphics (SVG) symbols. SVG is an open standard XML-based file format for creating two-dimensional vector graphics. Free and commercial graphical SVG Editors are widely available. SVG symbols resolve the image scaling and memory requirements issues that bitmap images have and give the viewer symbology a much needed modernization.

The legacy Motif-style symbols will continue to be maintained and a tool is provided to convert the legacy SYM files to the SVG format.

Load All Completed Events within a Date Range

Previously the only options for loading completed events are to load all completed events that are still in JMService memory (typically 7-10 days), or load a specific completed event by event number. A new option is added from the Work Agenda that will allow the user to select a Begin and End date range. All completed events within that date range would be loaded into the Work Agenda. A configurable limit is set to limit the span of the date range, so that someone cannot try to load 10 years of completed events at once and impact system performance.