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Release: February 2020

Document Number: 3BNP101773-1000

Document Revision: C
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1 INTRODUCTION

This document describes the functionality changes and new functionalities introduced for this product release. It also enumerates fixed and known problems encountered in the final testing of this product release and identifies correction or fix and workarounds that help to overcome the problem. This document contains additional notes that may be valuable to the customers and service personnel working with the product.

1.1 Executive summary

The following improvements have been made for this release.

- The configuration of libraries types and objects are now done through a dedicated aspect category, making the configuration independent of the product version and persistent during upgrades to later versions
- There is no longer a dependency to REUSE Common Pack and REUSE Core Libraries
- Force status can now be indicated
- The number of active alarms can now be indicated

1.1.1 Compatibility

When upgrading to this release from a version prior to 10.0-0, additional manual steps must be taken to retain existing configuration. Refer to the user manual for details.

1.2 Definitions and acronyms

Table 1: Definitions and acronyms

<table>
<thead>
<tr>
<th>Definition / acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Init aspect</td>
<td>The GDS Priority Based Init aspect</td>
</tr>
</tbody>
</table>

1.3 Product Support

For technical support, please contact Contact Center through contact.center@no.abb.com.

For commercial requests and sales support, contact Product Management through ogp.products@no.abb.com.
1.4 Version designation

1.4.1 User manuals
A complete list of all user manuals applicable to this product release is available in the following list:

Table 2: Applicable user manual

<table>
<thead>
<tr>
<th>Document ID</th>
<th>User manual title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3BNP101784-1000</td>
<td>Group Display Status 10.0 User Manual</td>
</tr>
</tbody>
</table>

1.4.2 Software

⚠️ The system extension is specific to the System 800xA version, i.e. separate packages for system 800xA 6.0.3 and 6.1

Table 3: Released software

<table>
<thead>
<tr>
<th>Software</th>
<th>OGP REUSE Solutions GDS Priority Based</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release</td>
<td></td>
</tr>
<tr>
<td>10.0-0 for 6.0.3</td>
<td>10.0.7349.9947</td>
</tr>
<tr>
<td>10.0-0 for 6.1</td>
<td>10.0.7361.18016</td>
</tr>
</tbody>
</table>

1.5 Restrictions

Table 4 Lists the minimum prerequisite software version for this release. Newer rollups may be used depending on system installer compatibility.

Table 4: Prerequisite software versions

<table>
<thead>
<tr>
<th>Software</th>
<th>Release 10.0-0 for 6.0.3</th>
<th>10.0-0 for 6.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABB 800xA Base</td>
<td>6.0.3-0 (build 6.0.3000.244)</td>
<td>6.1.0-0 (build 6.1.0.692)</td>
</tr>
</tbody>
</table>

1.6 Related documents

Table 5: Related documents

<table>
<thead>
<tr>
<th>Document ID</th>
<th>Title</th>
</tr>
</thead>
</table>
1.7 **Warning, caution, information, and tip icons**

This document includes **Warning**, **Caution**, and **Information** if/where appropriate to point out safety related or other important information. It also includes **Tip** to point out useful hints to the reader. The corresponding symbols should be interpreted as follows:

- **Electrical warning icon** indicates the presence of a hazard, which could result in *electrical shock*.
- **Warning icon** indicates the presence of a hazard, which could result in *personal injury*.
- **Caution icon** indicates important information or warning related to the concept discussed in the text. It might indicate the presence of a hazard, which could result in *corruption of software or damage to equipment/property*.
- **Information icon** alerts the reader to pertinent facts and conditions.
- **Tip icon** indicates advice on, for example, how to design your project or how to use a certain function.

Although **Warning** hazards are related to personal injury, and **Caution** hazards are associated with equipment or property damage, it should be understood that operation of damaged equipment could, under certain operational conditions, result in degraded process performance leading to personal injury or death. Therefore, comply fully with all **Warning** and **Caution** notices.
2 MODIFICATIONS IN THIS RELEASE

2.1 New functions

The following new functions have been added in this release:

<table>
<thead>
<tr>
<th>New functions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Active alarm count</strong></td>
</tr>
<tr>
<td>The number of active alarms for a given alarm group is now provided by the status aspect. In addition, the graphic element reGDSPG002 can now be configured to show this count, instead of the default unacknowledged alarm count.</td>
</tr>
<tr>
<td>#35373</td>
</tr>
<tr>
<td><strong>Force status</strong></td>
</tr>
<tr>
<td>Force status is now provided by the status aspect and indicated in the graphic elements when configured.</td>
</tr>
<tr>
<td>#31497</td>
</tr>
</tbody>
</table>

2.2 Improvements

The following improvements have been made in this release:

<table>
<thead>
<tr>
<th>Improvements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Property mapping aspect</strong></td>
</tr>
<tr>
<td>Mapping properties and alarm conditions from objects to the GDS is now done by creating and configuring an aspect of the category GDS Property Mapping. The aspect can be placed on any object and is not restricted to object type objects.</td>
</tr>
<tr>
<td>#48559</td>
</tr>
<tr>
<td><strong>Independent from REUSE Core Libraries</strong></td>
</tr>
<tr>
<td>The GDS can now be used without REUSE Common Pack and REUSE Core Libraries.</td>
</tr>
<tr>
<td>#48559</td>
</tr>
<tr>
<td><strong>Additional details shown during import and export of XML configuration</strong></td>
</tr>
<tr>
<td>Import and export of XML configuration will now show additional details, this includes but is not limited to:</td>
</tr>
<tr>
<td>– The path of the property mapping source/target (object).</td>
</tr>
<tr>
<td>– Warnings when properties are not found during import.</td>
</tr>
<tr>
<td>#48559</td>
</tr>
</tbody>
</table>
2.3 Fixed problems

The following problems have been fixed in this release:

Fixed problems

The init aspect had incorrect captions for alarm group definitions
An alarm group is defined by a priority level range, however the captions said severity instead of priority.

#71591

An unacknowledged auto-disabled alarm was indicated instead of an active unacknowledged alarm when both were present.
An active unacknowledged alarm will now be indicated when both are present.

Note: This applies to both the status aspect and graphic elements.

#33333

The init aspect cancel button did not undo modifications
The cancel button now works as expected and clears any modifications that have not been applied, including any staged import.

#30397

The init aspect did not show the alarm group definitions from an import
The alarm group definitions (in the view) are now updated with the data from the import and can be modified before the user applies the changes.

#48559

More than one GDS service group could be created
Earlier more than one GDS service group could be created, even though only one service group was ever possible to use.

A restriction is added to prevent creation of more than one service group.

#53038

The service watchdog kept restarting the service when default configuration was used.
The service kept restarting before it could achieve service state in many cases due to the default watchdog timeout being too short.

The default value for the timeout is increased to 15 minutes (900 000 milliseconds).

#53026

Alarm status was not shown in reGDSPG002 when all alarms were acknowledged
When reGDSPG002 was configured to show the number of unacknowledged alarms, and all alarms were acknowledged. The count (zero) was not displayed and the background indicated that there were no alarms.

The element will now show the count (zero) and the background will be according to the remaining alarms.

(This fix was included in 8.6-0 TC1)

#41195
### Fixed problems

**System Configuration Console failed to create service provider**
The System Configuration Console failed to create the service provider when the node name contained one or more hyphens (-).

(This fix was included in 8.6-0 TC1)  
#39405

**The most severe priority level was not indicated when an alarm group has multiple alarms with different priority level.**
The least severe priority level was indicated in the graphic elements and status aspect, when an alarm group is configured to include multiple priority levels, and multiple alarms with the same state and different priority levels are present for the given group.

The most severe priority level is now indicated.  
#53502

**The alarm foreground color for a given alarm group did not match the most severe alarm in certain cases.**
The alarm indication foreground color did not match the most severe alarm, when a group spans multiple priority levels, or a non-default group configuration is used. The alarm group foreground color was defined by the alarm group number and alarm state.

The alarm foreground color is now defined by the priority level and state of the most severe alarm for a given alarm group.

Note: This applies to both the status aspect and graphic elements.  
#53504
2.4 Discontinued and replaced functions

The following functions have been discontinued or replaced in this release:

<table>
<thead>
<tr>
<th>Function</th>
<th>Discontinued or replaced?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type definitions in init aspect</strong></td>
<td></td>
</tr>
<tr>
<td>Types definition (mapping of object types properties to the GDS) was in previous versions done from the init aspect.</td>
<td>The functionality has been replaced. It is now handled through GDS Property Mapping aspects.</td>
</tr>
<tr>
<td>#48559</td>
<td>XML import and export can still be performed from the init aspect, however the XML format has changed and <em>GDS Property Mapping aspects</em> will be used for storage instead. When upgrading additional steps must be taken to retain existing configuration, refer to the user manual for more details.</td>
</tr>
<tr>
<td><strong>Predefined configurations for certain products/libraries</strong></td>
<td>This functionality has been discontinued, the GDS does not include configurations for any products/libraries.</td>
</tr>
<tr>
<td>In previous versions the configuration (property mapping) for REUSE Core Libraries and AC 400 was included in the GDS.</td>
<td>Note that the products, like REUSE Core Libraries, might distribute the configuration for the GDS together with the product.</td>
</tr>
<tr>
<td>#48559</td>
<td></td>
</tr>
</tbody>
</table>

2.5 Known problems and workarounds

The following problems are known at the time of the release:

Table 6: Known problems and workarounds

<table>
<thead>
<tr>
<th>Known problem</th>
<th>Workaround</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dual screen navigation buttons do not work with multisystem integration</strong></td>
<td>Create custom graphic elements based on reGDSPG003 and reGDSPG005 and use standard process graphics elements for the display links (do not use the screen selection script aspect).</td>
</tr>
<tr>
<td>The dual screen navigation buttons (in reGDSPG003 and reGDSPG005) do not work on the subscriber node in a multisystem integration.</td>
<td>#53238</td>
</tr>
</tbody>
</table>
3 INSTALLATION

See installation instructions in Group Display Status 10.0 User Manual (3BNP101784*).
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