

**Oracle® Agile Product Lifecycle Management for  
Process**

Release Notes

Release 6.2

**E48713-02**

May 2015

Copyright © 2015, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

---

---

# Contents

<b>Preface</b> .....	v
Audience .....	v
Documentation Accessibility .....	v
Related Documents .....	v
Conventions .....	vi
 <b>1 Enhancements</b>	
<b>What's New in this Release?</b> .....	1-1
Supplier Collaboration & Management .....	1-1
Highlights .....	1-1
Product Data Management .....	1-1
Highlights .....	1-1
Project & Portfolio .....	1-2
Highlights .....	1-2
Usability .....	1-2
Highlights .....	1-2
Document Management .....	1-2
Highlights .....	1-2
Extensibility .....	1-2
Highlights .....	1-2
Highlights .....	1-3
Globalization & Multilingual .....	1-3
Highlights .....	1-3
Administration .....	1-3
Highlights .....	1-3
Product Support .....	1-3
<b>Enhancements by Application</b> .....	1-4
General Enhancements .....	1-4
ADMN Enhancements .....	1-10
CACS (Computer Aided Compliance Screening) Enhancements .....	1-13
CSS (Content Synchronization and Syndication) Enhancements .....	1-14
GSM (Global Specification Management) Enhancements .....	1-14
NPD (New Product Development) Enhancements .....	1-24
NSM (Nutrition Surveillance Management) Enhancements .....	1-26
PQM (Product Quality Management) Enhancements .....	1-27

RPT (Reporting) Enhancements.....	1-27
SCRM (Supply Chain Relationship Management) Enhancements.....	1-28
Supplier Portal and eQuestionnaire Enhancements .....	1-30
UGM (User Group Management) Enhancements .....	1-34
WFA (Workflow Administration) Enhancements .....	1-34
Infrastructure Enhancements .....	1-35
Installer Enhancements .....	1-37
Extensibility Enhancements.....	1-37
<b>Migration Impact</b> .....	1-39
<b>Removed Configurations</b> .....	1-39

## 2 Resolved Issues

<b>Resolved Issues</b> .....	2-1
General Resolved Issues.....	2-1
ADMN (Data Administration) Resolved Issues.....	2-1
eQ (eQuestionnaire) Resolved Issues.....	2-2
GSM (Global Specification Management) Resolved Issues .....	2-2
NPD (New Product Development) Resolved Issues .....	2-2
SCRM (Supply Chain Relationship Management) Resolved Issues.....	2-3
UGM (User Group Management) Resolved Issues.....	2-3

## 3 Hot Fixes

<b>Hot Fixes</b> .....	3-1
------------------------	-----

## 4 Deprecated Features

<b>Deprecated Features</b> .....	4-1
Features Deprecated in Past Releases .....	4-1
<b>Features to be Deprecated in a Later Release</b> .....	4-2

---

---

# Preface

This document describes enhancements included in this release, as well as resolved and known issues that you may encounter with this release.

Internal tracking numbers that are included are used to identify issues reported by customers. You can use these numbers to identify the issue should you need to contact Oracle Support. Locator numbers that appear in parentheses after some notes are for Oracle internal use only.

## Audience

This guide is intended for end users who are responsible for creating and managing information in Agile Product Lifecycle Management for Process. Information about administering the system resides in the *Agile Product Lifecycle Management for Process Administrator User Guide*.

## Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

### Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

## Related Documents

For more information, see the following documents in the Agile PLM for Process documentation set:

- *Agile Product Lifecycle Management for Process Getting Started Guide*
- *Agile Product Lifecycle Management for Process Administrator User Guide*
- *Agile Product Lifecycle Management for Process Global Specification Management User Guide*

These guides and other documentation are posted on Oracle Technology Network (OTN) at this location:

<http://www.oracle.com/technetwork/documentation/agile-085940.html>

## Conventions

The following text conventions are used in this document:

Convention	Meaning
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

---

# Enhancements

This chapter contains information on new product features for Release 6.2 of Oracle Agile Product Lifecycle Management for Process.

## What's New in this Release?

This chapter includes changes and enhancements that have been made for the Oracle Agile Product Lifecycle Management for Process 6.2 release. The first pages give a high-level look at new features, and then individual enhancements are described in detail, sorted by application, beginning on page 1-4.

Some information about migration and deprecated configurations are located at the end of this chapter.

## Supplier Collaboration & Management

A major theme for the release is to provide features to improve the interaction with suppliers. In addition allowing suppliers to have more control over how they manage the work assigned to them.

### Highlights

- Simplify the process to manage and request access to the Supplier Portal
- Introducing a supplier manager to manage items assigned to a given supplier.
- Provide suppliers greater visibility to the work they have been assigned.
- Gather additional information by providing an equestionnaire for sourcing approvals.

## Product Data Management

Product Data Management enhancements include a series of focused features to meet specific business use cases.

### Highlights

- Packaging and Finished Good Costing
- Changes to Approved For Use In configuration options and the introduction of Business Segment
- Specification thumbnail picture added to the summary tab and search results

## Project & Portfolio

Many of the improvements can broadly be linked to usability features. In addition a number of new areas of functionality have been added. The combination of the two will improve the over all user experience and change how your innovation team manages projects.

### Highlights

- Extended data improvements including adding calculated attributes and custom sections
- The general management, usability and security related to metrics
- Activity workflow improvements and newly added searching

## Usability

The release introduces a number of enhancements focused purely on simplifying the user experience.

### Highlights

- Inline editing for custom data
- Action Items: Standardize the Action Dashboard and provide visibility to workflow instructions.
- Most Recently Used: Adding the ability to add/remove items from MRU.
- A specific focus to enable in-line editing for many NPD use cases including metrics, team member formulation and extended data and sections.

## Document Management

An important theme for the release is expanding functionality related to and simplifying document management.

### Highlights

- Simplifying how the user attaches documents.
- Standardizing the classification of documents.
- Allowing users to version documents during times of collaboration.

## Extensibility

The product development team strives to introduces features and extensibility points that enable customers and partners to tailor Agile PLM for Process to meet their specific requirements and needs.

### Highlights

- Sidebar: A new area of the user interface specifically designed so that customers and partners can add additional panels to present tailored information.
- Copy Actions/Extensions
- Search results navigation extension
- Validation Framework now supports script based validator for rapid development



- Additional email extensibility.
- Formulation & Labeling

The formulation and labeling theme focuses on a number of specific enhancements to enable precision and formatting related to the use case.

### Highlights

- Decimal Precision
- Ingredient Statements are now Rich Text
- Formulation BOM inputs now display status
- Component Catalog items are now controlled by status

## Globalization & Multilingual

A series of features have been added that directly impact customers where users span countries and languages.

### Highlights

- Date/Time Improvements
- Managing culture independent of language
- Expanded multilingual capabilities related to extended data

## Administration

Administrators are often the people that make the system work smoothly within an organization. We hope you enjoy these enhancements that are used by administrators so that they can improve the user experience for their customers.

### Highlights

- Bulk update and search for admin data.
- Set all user preferences
- Performance Logging Enabled
- New roles for optimization and label claim management

## Product Support

Please note that product support for data that has been imported will only extend to data that could have been entered manually in the application user interface.

## Enhancements by Application

This section includes enhancements for Release 6.2, sorted by application. Also included are General (All), Extension, and Installer enhancements. Enhancements noted as **Pre-Work?** may require pre work by a business analyst or technical resource; those noted with **Config Impact?** indicate configuration changes or additions.

More details about the enhancements can be found in the user guide corresponding to the application.

---

**Note:** For this release we have combined the eQ and Supplier Portal enhancements. See "[SCRM \(Supply Chain Relationship Management\) Enhancements](#)" on page 1-28 for this information.

---

## General Enhancements

**Table 1–1 General Enhancements**

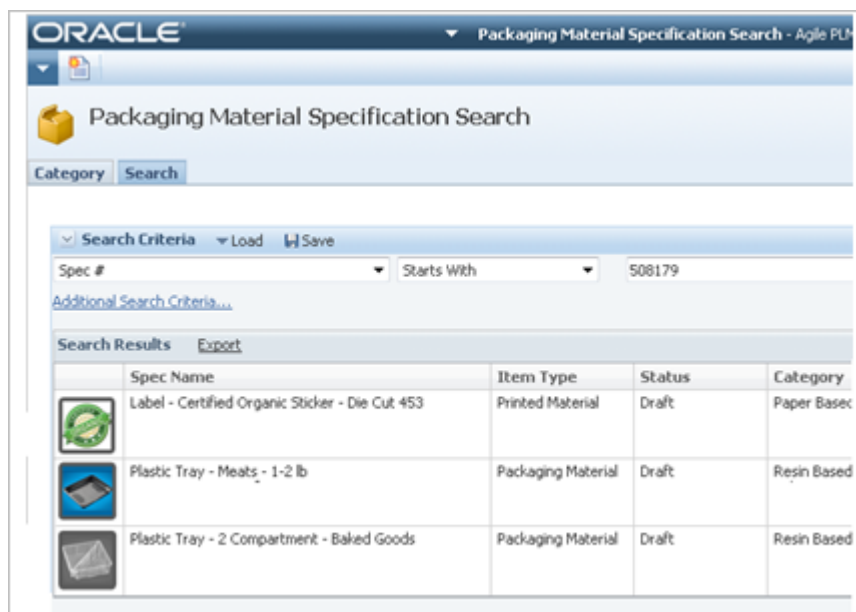
Description	Tracking #s	Config Impact?	Pre Work?
<b>Searching</b> Search results can now be customized within the application. Result Columns, Sort Order, Results Per Page and even default search criteria can be set by clicking on the Customize link on any search screen. See the <i>Agile Product Lifecycle Management for Process Getting Started Guide</i> for more information. Available Search Result Columns and Criteria can now be extended. See the <i>Agile Product Lifecycle Management for Process Search Extensibility Guide</i> in Feature Pack 4.0 for more information. <ul style="list-style-type: none"> <li>Fully supported and documented configuration extensions</li> <li>Available Result columns</li> <li>Search criteria</li> <li>Out of the box Extended Attribute Result column</li> </ul> (32918)	17059534, 17733944, 17884853		
<b>Action Dashboard and Ready Reports</b> Action Dashboard and Ready Reports are former solution packs that are now core features in PLM for Process. You no longer need to manage these features as solution packs. Ready Reports has been added to the RPT navigation menu. See the <i>Agile Product Lifecycle Management for Process Getting Started Guide</i> for more information for Action Dashboard, and see the <i>Agile Product Lifecycle Management for Process Reporting User Guide</i> for details on Ready Reports. (32639, 32640)			
<b>All date strings now use universal date formats</b> All short dates are now displayed in universal format, for example: Feb 01, 2015. These dates also respect the user's preferred culture, for example, 01 Feb, 2015. (31340)	13935263		
<b>Allow Users to specify culture</b> Users can now select culture separately from UI and Free Text Language. Users can now see dates and number formats the way they expect to see them independent of language selection. For example, users can use the English UI and Free Text Language but see regional specific date formats and number separators. A new field has been added to UGM user profiles and the user's profile and preferences. These new fields have been set to the cultures previously paired with the UI Language. (35285)	18483820		

## General Enhancements

**Table 1–1 General Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Profile Pictures</b> Profile pictures have been added to the summary section of all GSM specification types. The profile picture also appears in specification search results. Profile pictures are configurable by specification type using the following configurations: <pre> &lt;Thumbnail&gt;      &lt;AllowedFileType Value="jpg,jpeg,png,gif" Description="Photo types that user can upload"&gt;&lt;/AllowedFileType&gt;      &lt;ThumbnailSummary Value="1004,1005,1006,1009,1010,2076,2121,2147,2280,2283,5816,5750,650 0,6501" Description="Will display a thumbnail in the summary section for all specified spec types. If a thumbnail is not found the system will default to the CssClass Thumbnail_Default_ SPECTYPE#"&gt;&lt;/ThumbnailSummary&gt;      &lt;ThumbnailEQT Value="1004,1005,1006,1009,1010,2076,2121,2147,2280,2283,5816,5750,650 0,6501" Description="Will display a thumbnail in the search results for all specified specification types. thumbnail must also be enabled for the spec type."&gt;&lt;/ThumbnailEQT&gt;      &lt;ThumbnailEQTPreview Enabled="true" Description="When enabled users will be able to see the larger view of the thumbnail when clicking the thumbnail in search results. When false the link will just open the specification."&gt;&lt;/ThumbnailEQTPreview&gt;           </pre>	IDEA01751	Yes	

**Figure 1–1 Profile pictures in search view**



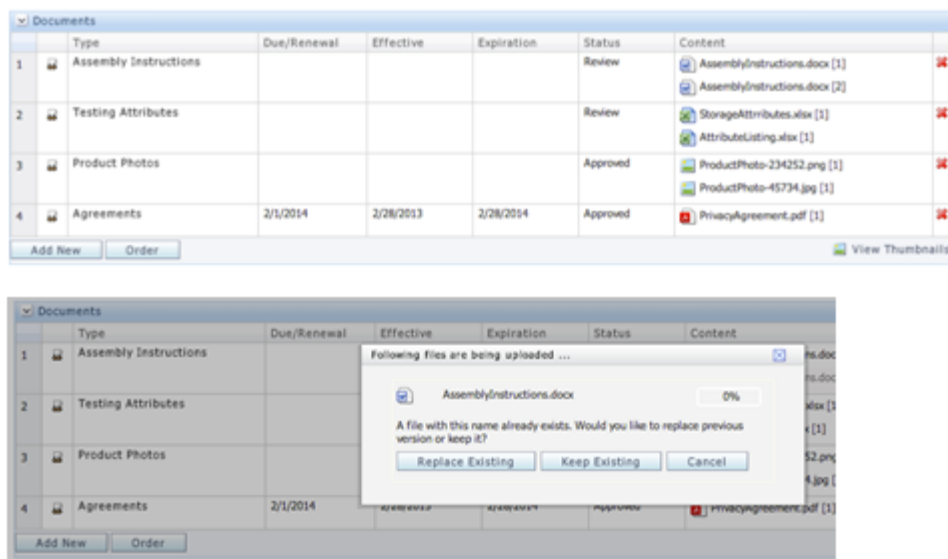
(32681)

## General Enhancements

**Table 1–1 General Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Supporting Documents</b> Supporting Documents have been updated for all applications. Enhancements include the following: <ul style="list-style-type: none"> <li>Document Type and additional data can now be assigned to every supporting document</li> <li>Mix and match attachment types inside a single document</li> <li>Ability to categorize documents</li> <li>Files can now be dragged and dropped into place</li> <li>Versioning is now supported</li> <li>Multiple Files can be uploaded at once</li> <li>Auto versioning and manual versioning support is available</li> <li>Document management is very configurable</li> </ul> See the <i>Agile Product Lifecycle Management for Process Getting Started Guide</i> for further details. You'll see more information about Supporting Documents that are specific to certain applications, as highlighted below. For more information on these features, see the related user guide. <ul style="list-style-type: none"> <li>Rich Text is now a supported attachment type for SCRM, NPD, DRL and eQ.</li> <li>URLs are now a supported attachment type for DRL and eQ.</li> <li>Attachments can now be imported into eQuestionnaires from specifications and sourcing approvals. Supporting Documents can now be created when pushing attachments back into GSM. This allows you to associate multiple attachments to a single supporting document and version supplier documents.</li> </ul>	16957110, 16927919, 16588610, 7287102, 8837476, 13709258, 13524291, 11930969, 13842555, 17663382, 17440935, 17791339	Yes	

**Figure 1–2 Supporting Documents**



(32642)

## General Enhancements

**Table 1–1 General Enhancements**

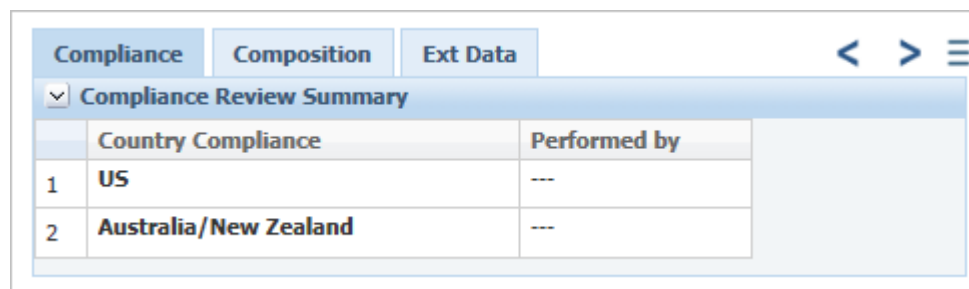
Description	Tracking #s	Config Impact?	Pre Work?
<p><b>Language choices are now translatable</b></p> <p>Language selection options are now translatable and will be presented in the users UI language. Previously they were only displayed in English. (37149)</p>			
<p><b>Preferred Time Zone</b></p> <p>Previously the only option for the user was the server time zone, but now users can pick their preferred time zone. All dates and times in the application will be displayed in the user's preferred time zone. For example, the specification's event history time column will be displayed in times relevant to the user instead of the server.</p>			
<p><b>Search field on shuttle tool is now shown at all times</b></p> <p>You can now have the search field available at all times on multi and single select dialogs. Previously this field only appeared when you reached a configured amount of items. The feature configuration is:</p> <pre>&lt;add key="Common.SelectDialogs.SearchField.Enabled" value="true" configDescription="When enabled a search field will appear on all select dialogs, allowing users to type in a string to find matching items." /&gt;</pre> <p>(36943)</p>	19302296	Yes	
<p><b>Customized search results</b></p> <p>Individual users can now customize their search experience by selecting default search criteria and which result columns display. For more information about customizing search results within applications, see <a href="#">"Searching"</a> on page 1-4. (32918)</p>			
<p><b>Maintain Units of Measure in Dimensional UOM</b></p> <p>All Unit of Measure categories are now administrable in ADMN; previously only the "Other" category was manageable. This new list will allow you to view existing UOMs and their conversion factors. You can also add to existing UOM categories. For example, you can add an additional mass UOM like Parts per Billion providing the conversion factor, ISO code, ID and Abbreviation.</p> <p>For more information see the <i>Agile Product Lifecycle Management for Process Administrator User Guide</i>. (31355)</p>	9959402, 16867195		
<p><b>Updated and Secured the Environment &amp; Configuration Information Page</b></p> <p>The Environment &amp; Configuration Information page has been updated to include more information about your environment. As this page contains potentially sensitive information, this page is now protected and only accessible to users with the [CONFIG_ROLLUP_VIEWER] role.</p> <p>For more information, see the "Environment &amp; Configuration Information" section of the <i>Agile Product Lifecycle Management for Process Configuration Guide</i>. See the <i>Agile Product Lifecycle Management for Process User Group Management User Guide</i> for a list of all system-based roles including CONFIG_ROLLUP_VIEWER. (32848)</p>			
<p><b>Approved For Use In changes</b></p> <p>The GSM Approved for Use in section has been moved up on the page to be more accessible. Configurations have also been improved so you now have the ability to mix and match all approved for use in options like Country, Concepts, Business Unit and the newly added Segment. Concepts and Country "Approved for Use" in configurations have been converted to a list approach using a singular key approach. For more information about these changes as they relate to GSM, see <a href="#">"Approved For Use In configuration changes"</a> on page 1-22.</p>			

## General Enhancements

**Table 1–1 General Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Business Segment</b> Very similar to the current Business Unit taxonomy, a new categorization taxonomy of Segment has been added. The unique thing about Segment is it spans across the entire application suite. Segment also acts as security restricting visibility to objects based on user association. For example, you can define segments based on division: Pet Food, Coffee, Breads. You then associate specifications, NPD Projects, SCRM objects, and eQs to a specific segment. The use of segment will greatly simplify the end user experience reducing the noise of specifications and objects belonging to different segments. Segment is found in all applications (GSM, SCRM, NPD, LIO, Component Catalog, eQ, DRL, PQM, NSM), is configurable on/off, acts as security, and serves as WFA resolution criteria. (33569)		Yes	
<b>Multi-select preferred cross reference</b> You now have the ability to add multiple system codes for both GSM and SCRM in Profile and Preferences. When multiple system codes are selected, you will see all [System Code - Equivalent #] information. This is very valuable when you have different systems for different specification types or categories. For example, material specifications are cross referenced with your ABC system while packaging specifications are cross referenced with your XYZ system. (33684)	17621407		
<b>Modal windows</b> All popup windows have been replaced with modal windows. This change will greatly reduce system errors caused when users lose track of a popup window. This feature is configurable using ModalPopupConfig.xml in the Extensions folder. See the <i>Agile Product Lifecycle Management for Process Getting Started Guide</i> for more information. (35288)		Yes	
<b>Inline editing for custom data</b> Full featured inline editing has been added to custom sections and the simple extended attributes grid. This changes the previous behavior that required users to edit the custom section in a popup window and open each individual row for editing.			
<b>Custom Data Inline Tabs</b> Configurable Category tabs allow you to group extended attributes and custom sections using inline tabs. These tabs will display inline on the Ext Data tab reducing page scroll and categorizing custom data in a way that makes sense to the end user. See <a href="#">Figure 1–3</a> below as an example of custom section grouping. Use the left and right arrow icons to move through the tabs, or click directly on the tab. The list icon displays a listing of all category tabs. (35289)			

**Figure 1–3 Category tabs example**



## General Enhancements

**Table 1–1 General Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Enhanced Most Recently Used (MRU)</b> <p>Most recently used search results has been enhanced to include view and used items in your recent item listing. Previously only recently "viewed" items were included, now items that you have "used" will also be included.</p> <p>For example, if you are always adding water or salt to a formulation specification or Bob from Nutrition to a project you will now see these items at the top of your search results when you select recent items. This will allow you to quickly select items you are always selecting even though you may not be actually visiting/viewing those objects. Items will be associated with a used weight as well. So items you use more than others will be shown at the top of your result set.</p> <p><b>Important Note:</b> This item has changed the names of pre-6.2 configurations. So if you have adjusted these configuration values you will need to rename your keys. The following configurations have changed:</p> <pre>&lt;MostRecentlyUsedExpirationService&gt;   &lt;AppSettings configChildKey="key"&gt;     &lt;add key="SecondsToWaitBeforeStarting" value="30" /&gt;     &lt;add key="PollingIntervalInDays" value="1" /&gt;     &lt;add key="ViewedItemsExpirationInDays" value="1" /&gt;     &lt;add key="UsedItemsExpirationInDays" value="0" /&gt;     &lt;add key="NumberOfHistoricalViewedItemsForSearches" value="50" /&gt;     &lt;add key="NumberOfHistoricalUsedItemsForSearches" value="50" /&gt;   &lt;/AppSettings&gt; &lt;/MostRecentlyUsedExpirationService&gt;</pre> <p>See the MRU section of the <i>Agile Product Lifecycle Management for Process Configuration Guide</i> for more information. (35451)</p>		Yes	
<b>Adding and Removing Items from MRU</b> <p>You can now add and remove items from your most recent items listing by finding the item in a search result set and selecting Add to Recent Items or Remove from Recent Items in the search results navigation menu. (32661)</p>			
<b>Action Items now include workflow instructions</b> <p>Workflow instructions are now displayed when you hover over the status inside action item listings in GSM, SCRM and NPD. This allows the user to quickly see what is expected of them without having to open up the object. (16500, 37417)</p>	8450134, 8507735, 17306780		
<b>Excel exports now support Office 2010 and 2013</b> <p>Ad hoc reports and EQT export to Excel now support Office 2010 and 2013. (32557)</p>	16245520		
<b>Copy Actions/Extensions; Fields and UI Extension</b> <p>The Copy and Issue action is now configurable for GSM and SCRM. You can decide which fields are cleared when a copy or issue is created. More information can be found on this feature in the <i>Agile Product Lifecycle Management for Process Configuration Guide</i>. (31377)</p>	9431725, 7655514, 20062371	Yes	Yes


## ADMN Enhancements

For more information on these changes, see the *Agile Product Lifecycle Management for Process Administrator User Guide*.

Table 1–2 ADMN Enhancements

Description	Tracking #s	Config Impact?	Pre Work?
List Searching	16956780		
Our ADMN lists have been enhanced to allow for searching. You can now quickly find an item in a list or even apply display filters on your list. For example, you can quickly show only items in the status of Active and include the string "Nut". (32645)			

Figure 1–4 Allergens search

 Allergens

Search for nut

And

Display Filters

Contains One

Status: Active

Submit

Clear

251Bulk Update

<input type="checkbox"/>	Name	External Id	UOM	Status	Data Groups
<input type="checkbox"/>	Coconut	COCONUT	ppb, lb, Cnt, kg, oz, ppm, g, units, mg, µg, per mil	Active	Asia, Australia, Canada, European Union, Japan, Netherlands, United Kingdom, USA
<input type="checkbox"/>	nut oil	NUT_OIL	ppb, lb, Cnt, kg, oz, ppm, g, units, mg, µg, per mil	Active	Asia, Australia, Canada, European Union, Japan, Netherlands, United Kingdom, USA, Jamaica, Data Group
<input type="checkbox"/>	Nutmeg	NUTMEG	ppb, lb, Cnt, kg, oz, ppm, g, units, mg, µg, per mil	Active	Asia, Australia, Canada, European Union, Japan, Netherlands, United Kingdom, USA, Jamaica, Data Group
<input type="checkbox"/>	Nuts	NUTS	ppb, lb, Cnt, kg, oz, ppm, g, units, mg, µg, per mil	Active	Asia, Australia, Canada, European Union, Japan, Netherlands, United Kingdom, USA, Jamaica, Data Group
<input type="checkbox"/>	Nuts Derivatives	NUTS_DERIVATIVES	ppb, lb, Cnt, kg, oz, ppm, g, units, mg, µg, per mil	Active	Asia, Australia, Canada, European Union, Japan, Netherlands, United Kingdom, USA, Jamaica, Data Group
<input type="checkbox"/>	Peanut Contamination	PEANUT_CONTAMINATION	ppb, lb, Cnt, kg, oz, ppm, g, units, mg, µg, per mil	Active	Asia, Australia, Canada, European Union, Japan, Netherlands, United Kingdom, USA
<input type="checkbox"/>	Peanut Derived Items	PEANUT_DERIVED_ITEMS	ppb, lb, Cnt, kg, oz, ppm, g, units, mg, µg, per mil	Active	Asia, Australia, Canada, European Union, Japan, Netherlands, United Kingdom, USA
<input type="checkbox"/>	Peanut oil	PEANUT_OIL	ppb, lb, Cnt, kg, oz, ppm, g, units, mg, µg, per mil	Active	Asia, Australia, Canada, European Union, Japan, Netherlands, United Kingdom, USA
<input type="checkbox"/>	Peanuts/Peanut Oil	PEANUTS/PEANUT_OIL	ppb, lb, Cnt, kg, oz, ppm, g, units, mg, µg, per mil	Active	Asia, Australia, Canada, European Union, Japan, Netherlands, United Kingdom, USA
<input type="checkbox"/>	Tree Nuts	TREE_NUTS	ppb, lb, Cnt, kg, oz, ppm, g, units, mg, µg, per mil	Active	Asia, Australia, Canada, European Union, Japan, Netherlands, United Kingdom, USA, Jamaica, GF Allergens
<input type="checkbox"/>	Walnut	WALNUT	ppb, lb, Cnt, kg, oz, ppm, g, units, mg, µg, per mil	Active	Asia, Australia, Canada, European Union, Japan, Netherlands, United Kingdom, USA, Jamaica, Data Group

251Bulk Update



## ADMN Enhancements

For more information on these changes, see the *Agile Product Lifecycle Management for Process Administrator User Guide*.

**Table 1–2 ADMN Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
-------------	-------------	----------------	-----------

### Bulk Update

Bulk Update has been added to ADMN simple and tree lists. You can now quickly update multiple items at once. Used with the new search feature this will allow for quick updates. For example, lets say you are no longer capturing allergens dealing with "ABC". You can search for all allergens that include the string "ABC". Then using bulk update, select all items returned and change their status to "Inactive".

**Figure 1–5 Bulk update for allergens**

The screenshot shows the ADMN Allergens interface. At the top, there is a search bar with a dropdown menu set to 'And', a 'Display Filters' button, and a 'Contains One' dropdown. Below the search bar is a table of allergens. The table has columns for Name, External Id, UOM, Status, and Data Groups. The table contains three rows: Abalone, Acacia gum, and Albumen. A 'Bulk Update' button is located above the table. The table also has a pagination bar at the top with a dropdown menu set to '25' and a 'Bulk Update' button.

Name	External Id	UOM	Status	Data Groups
Abalone	ABALONE	ppb, lb, Cnt, kg, oz, ppm, g, units, mg, µg, per mil	Active	611r1 Data Groups, Australia, Canada, European Union, Japan, Netherlands, United Kingdom, USA, ZZZ v52 Group Filter Allergens, ZZZ v52rc15 GF Allergens
Acacia gum	ACACIA_GUM	ppb, lb, Cnt, kg, oz, ppm, g, units, mg, µg, per mil	Active	Australia, Canada, European Union, Japan, Netherlands, United Kingdom, USA, ZZZ v52rc15 GF Allergens
Albumen	ALBUMEN	ppb, lb, Cnt, kg, oz, ppm, g, units, mg, µg, per mil	Archive	Australia, Canada, European Union, Japan, Netherlands, United Kingdom, USA, ZZZ v52rc15 GF Allergens

### Behavior ID added to formulation tags

For ADMN > GSM Common > Formulation Tags, Behavior ID has been added. See the *Agile Product Lifecycle Management for Process Administrator User Guide* for more information. (32070)

### Boolean Display Text is now translatable

7589259

You can now provide UI translations for Boolean "Display Text". Translations provided here will display to the user in their selected UI language. This affects the extended attribute types of Boolean and Calculated Boolean. (16404, 32929)

### Qualitative Extended Attribute items are now translatable

Translations for qualitative extended attributes items can now be captured in data admin.

### Hide Column Header option

16956873

You can now hide custom section column header values. This allows you to control the appearance of column headers. For example, if you are forced to use ambiguous names like "Value" or "-" you can now N/A - hide these strings. (32644)

## ADMN Enhancements

For more information on these changes, see the *Agile Product Lifecycle Management for Process Administrator User Guide*.

**Table 1–2 ADMN Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>New Extended Attribute Calculation scripting options</b>			
EA Calculations can now leverage an alternate scripting engine (Jint) that allows scripts to be written in traditional JavaScript, with no need to modify the syntax for variable assignment and comparison operators. Scripts written for the Jint engine can leverage all of the existing helper methods and functions, and have a more intuitive and effective integration of custom classes and methods. See the <i>Agile Product Lifecycle Management for Process Extended Attribute Calculation Guide</i> in the Feature Pack documentation for more details. (32847)			
<b>Allow for blank UOM selection on an extended attribute</b>	12733892, 14674442		
You can now configure extended attributes to accept a blank UOM, previously the UOM drop-down defaulted to a selection not allowing the user to leave it blank. Blank can be selected in the Default UOM drop down for the following extended attribute types: Numeric, Quantitative Range, and Quantitative Tolerance. Previously a UOM selection was required and defaulted to the first one on the list. (21162)			
<b>Free Text Extended Attributes now support multi-lingual data capture</b>			
Boolean Display Text is now translatable. Users now capture multi-lingual translation values for free text extended attributes. When this type is used a translation globe will appear next to the text field. Two new types of multi-lingual extended attributes have been added: Multi-lingual Free Text and Long Multi-lingual Free Text. See the <i>Agile Product Lifecycle Management for Process Administrator User Guide</i> for more information. (33632)			
<b>Long Free Text Extended Attributes</b>			
Two new types of extended attributes have been added: Long Free Text and Long Multi-lingual Free Text. These new extended attribute types allow up to 4000 characters. See the <i>Agile Product Lifecycle Management for Process Administrator User Guide</i> for more information.			
<b>Boolean Display Text is now translatable</b>			
Two new types of extended attributes have been added: Long Free Text and Long Multi-lingual Free Text. See the <i>Agile Product Lifecycle Management for Process Administrator User Guide</i> for more information.			
<b>Performance Logging Admin Screen Enabled</b>		Yes	
By default, the Admin page to manage the Performance Logging feature is now available/enabled. This can be configured off using the feature configuration entry Portal.DataAdmin.SideNav.Performance.Enabled. See the <i>Agile Product Lifecycle Management for Process Administrator User Guide</i> for details. (35190)			

## CACS (Computer Aided Compliance Screening) Enhancements

Refer to the *Agile Product Lifecycle Management for Process Computer Aided Compliance Screening User Guide* for more details on these changes.

**Table 1–3 CACS Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Approved for Use In CACS configuration changes</b> To accommodate the GSM Approved for Use In 6.2 configuration changes, CACS approved for use in configurations have been adjusted. <pre> &lt;FeatureConfig configChildKey="key"&gt;   &lt;add key="CACS.Constraints.UsageApproval.AFUI_BU.Enabled"     value="true"/&gt;   &lt;add key="CACS.Constraints.UsageApproval.AFUI_BU_COUNTRY.Enabled"     value="true"/&gt;   &lt;add key="CACS.Constraints.UsageApproval.AFUI_COUNTRY.Enabled"     value="true"/&gt;   &lt;add key="CACS.Constraints.UsageApproval.AFUI_BU_CONCEPT.Enabled"     value="true"/&gt;   &lt;add key="CACS.Constraints.UsageApproval.AFUI_CONCEPT.Enabled"     value="true"/&gt;   &lt;add key="CACS.Constraints.UsageApproval.AFUI_COUNTRY_     CONCEPT.Enabled" value="true"/&gt;   &lt;add key="CACS.Constraints.UsageApproval.AFUI_BU_COUNTRY_     CONCEPT.Enabled" value="true"/&gt;   &lt;add key="CACS.Constraints.UsageApproval.AFUI_SEGMENT.Enabled"     value="true"/&gt;   &lt;add key="CACS.Constraints.UsageApproval.AFUI_BU_SEGMENT.Enabled"     value="true"/&gt;   &lt;add key="CACS.Constraints.UsageApproval.AFUI_BU_COUNTRY_     SEGMENT.Enabled" value="true"/&gt;   &lt;add key="CACS.Constraints.UsageApproval.AFUI_COUNTRY_     SEGMENT.Enabled" value="true"/&gt;   &lt;add key="CACS.Constraints.UsageApproval.AFUI_BU_CONCEPT_     SEGMENT.Enabled" value="true"/&gt;   &lt;add key="CACS.Constraints.UsageApproval.AFUI_CONCEPT_     SEGMENT.Enabled" value="true"/&gt;   &lt;add key="CACS.Constraints.UsageApproval.AFUI_COUNTRY_CONCEPT_     SEGMENT.Enabled" value="true"/&gt;   &lt;add key="CACS.Constraints.UsageApproval.AFUI_BU_COUNTRY_CONCEPT_     SEGMENT.Enabled" value="true"/&gt; </pre>		Yes	
(35643)			

## CSS (Content Synchronization and Syndication) Enhancements

Refer to the *Agile Product Lifecycle Management for Process Content Synchronization and Syndication User Guide* for more details on these changes.

**Table 1–4 CSS Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
CSS now includes the following Gain/Loss factors for a formulation output:	17302778		
<ul style="list-style-type: none"> <li>Material G/L factor for formulation inputs</li> <li>Material G/L factor for formulation outputs</li> <li>Moisture G/L Factor for formulation outputs</li> <li>Solids G/L factor for formulation outputs</li> </ul>			
(32856)			

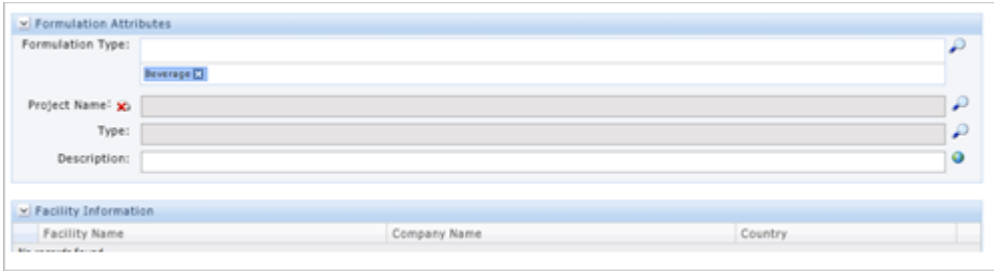
## GSM (Global Specification Management) Enhancements

Refer to the *Agile Product Lifecycle Management for Process Global Specification Management User Guide* for more details on these changes.

**Table 1–5 GSM Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Trade specification search enhancements</b>	7695238, 9013029, 14360245, 17986235		
The following criteria has been added to all trade specification searches: Description, Item Type, Label Owner, Product Name, Receiving Facility, Source Facility, Storage requirements, Variable Weight and Variable Weight Type. (16369)			
<b>Cross Reference displayed for superceded specification</b>	9451186		
The users preferred cross reference is now shown with the specification selected in the Supercedes field on GSM specifications. (31358)			
<b>Smart Issue and Global Succession Status Filter</b>	13505046		
You can now filter global succession and smart issue affect item results by status. For example, you can find all affected items that use "specification ABC" that are not in the status of "Archived" or "Inactive". (31347, 34675)			
<b>New relationships added to Smart Issue</b>	10017367		
Smart issue now supports the following specifications: Delivered material, Equipment, Explicit Master specifications, and Packing configuration. See the <i>Agile Product Lifecycle Management for Process Global Specification Management User Guide</i> for more information.			
You can now use smart issue to update explicit master specification relationships. See the <i>Agile Product Lifecycle Management for Process Global Specification Management User Guide</i> for more information. (31354, 33343)			

**Table 1–5 GSM Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Item Types added to Formulation and Material Specifications</b> Much like trade and packaging specifications, we've added additional item types to material and formulation specifications. This will allow you to further define your formulations or materials beyond your spec category attribute. This attribute can help simplify reporting and provide data that users can use to filter or search. (32617, 33982)	16760453, 12888570		Yes
<b>Figure 1–6 Formulation item type</b> 			
<b>Specification Item Types added to Action Items</b> Trade, Packaging, Materials and Formulations can be assigned an Item Type. For example, Consumer Unit vs Traded Unit. Specifications listed in Action Dashboard and GSM Action Items now include this specification item type. This allows you to sort and filter these lists for more productive views. (32383)			
<b>Exclude owned outputs in Action Items</b> You can now exclude owned formulation output materials from action items. This is helpful when your organization thinks of the formulation and output material specification as a single entity. This feature is configurable using the following key: <pre>&lt;add key="GSM.ActionItems.DisplayFormulaOwnedOutput" value="true"/&gt;</pre> By default, value is true. When the configure is set to false, formulation owned output will be filtered out in the Action Item list. (35293)		Yes	
<b>Shelf life unit of measures can now be controlled</b> As the default, the trade specification shelf life has several units of measure: hours, days, weeks, months and years. You can now hide the unit of measures you don't want to use. See the <i>Agile Product Lifecycle Management for Process Configuration Guide</i> for more information. (32522)	10399969	Yes	
<b>Set a default value for shelf life section UOM</b> You can now set a default value for shelf life section UOM using the CustomUOMLists.config setting. See the <i>Agile Product Lifecycle Management for Process Configuration Guide</i> for more information. (33459)			
<b>Profile pictures</b> Profile pictures have been added to the summary section of all GSM specification types. The profile picture also appears in specification search results. You can configure which GSM specifications support profile pictures using ThumbnailConfig.xml in the extensions folder. (32681)		Yes	Yes
<b>Email notifications for GSM Temporary Signature Authority</b> Email notifications for GSM Signature requests are now sent to users with temporary signature authority. (32527)	11787161, 13996329		

**Table 1–5 GSM Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Packaging and Finished Good Costing</b> You can now model design cost for the complete finished good. Cost has been added to the following locations: Packaging sub components, formulation packaging, trade material and packaging.	12888570, 16760453, 13950437, 14461927		Yes

**Figure 1–7 Packaging sub components**

Level	Packaging Material Specification	Type	Quantity	USD	EXT Cost
1	Inner <a href="#">Compartment Insert - 6</a> Pack Size: --- (5117123-001) [Draft]	Packaging Material	1.00000 EACH	0.25000 EACH	0.25000
2	Outer <a href="#">Heavy Weight Cardboard Box</a> Pack Size: --- (5117122-001) [Draft]	Packaging Material	1.00000 BOX	1.45000 BOX	1.45000
<b>Total:</b>					<b>1.70000</b>

Cost settings have been extended to packaging material and trade specifications to support these new cost features. As with formulation cost rollup, the rolled up cost for both packaging material and trade specifications are posted to the theoretical cost book. To learn more about the new cost features see the *Agile Product Lifecycle Management for Process Global Specification Management User Guide*. (33752, 33638, 35358, 35101)

<b>Compliance Item UOMs are now configurable</b> You can now add a new UOM for a compliance value using the UOM list in ADMN. You can now select which UOMs are available for allergens, additives and intolerances. For details, see the <i>Agile Product Lifecycle Management for Process Administrator User Guide</i> . (32543)	12964841, 16237339, 16237384	Yes
---	------------------------------------	-----

<b>Clarify calculated does not contain compliance attributes</b> The formulation output Does Not Contain compliance items will now function more like the Complies With section. Do Not Contain items will all appear in the theoretical roll up specifying whether the output is compliant or not compliant for that specific item. This will allow the user to quickly understand which inputs are keeping the compliance item from being declared as Does Not Contain.	12973460	
--	----------	--

**Figure 1–8 Does Not Contain items**

Does not Contain				
	Theoreticals		Overrides	Specification
1	<a href="#">Amaranth</a>	Not Compliant		
2	<a href="#">Carrot</a>	Compliant		Carrot
3	<a href="#">Honey</a>	Not Compliant		
<a href="#">Add New</a>				

(22098)

**Table 1–5 GSM Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Decimal precision</b> You can now select the decimal precision for formulation inputs and % breakdown components. Previously it was fixed at 5 decimals. Precision defaults can be set in the user's Profile and Preferences. Precision settings are configurable using the following configuration keys: <pre>"GSM.Precision.Formulation.Enabled" value="true"</pre> <pre>"GSM.Precision.Breakdown.Enabled" value="true"</pre> <pre>"GSM.Precision.LabelComposition.Enabled" value="true"</pre> The above configurations enable customers to select formulation, breakdown, and LIO label composition precision from a list. <pre>"GSM.Precision.Formulation" value="5"</pre> <pre>"GSM.Precision.Breakdown" value="5"</pre> <pre>"GSM.Precision.LabelComposition" value="5"</pre> These set the user's profile and preferences starting default value [0-13] for formulation, breakdown, and nutrient profile and LIO label composition precision, respectively. If precision drop down is disabled, this will set the default precision. See the <i>Agile Product Lifecycle Management for Process Configuration Guide</i> for more information.	13699673	Yes	

**Figure 1–9 Precision view**

Component	Description	Formulation Tags	Formulation	Range	Total Solids	Function	Critical	Precision: 13
1 Milk			95.00000000000000%	min: 10.00000000000000% max: 98.00000000000000%	0.00000000000000%		<input type="checkbox"/>	<input checked="" type="checkbox"/>
2 Sugar			5.00000000000000%	min: % max: %	100.00000000000000%		<input type="checkbox"/>	<input checked="" type="checkbox"/>
			100.00000000000000%	min: 10.00000000000000% max: 98.00000000000000%				

(32549, 34046)

**Expanded Master specification association**

14293009

Master specifications can now be associated to packing configuration, delivered material and labeling specifications. (30480)

**Additional notes can now be added to alternate packaging on a trade**

16729153

It is now possible to create additional notes for alternate packaging specifications assigned to trade specifications. (32559)

**Table 1–5 GSM Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Breakdown component type is now fully configurable</b>	16852813	Yes	Yes

Breakdowns can be more configured so that they can be created from any combination of component type (component catalog terms/aliases, material specifications and/or free text).

**Upgrade Note:** This has changed how breakdown component rules are configured. If you have adjusted these keys they will need to be handled during configuration merging. New configuration in v6.2:

```
<add key="GSM.Breakdown.FreeTextComponents.Enabled" value="false"
configDescription="allow Free Text Components to be used in
%breakdowns" />
```

The key value changed configurations are as follows:

In v6.1.1.x:

```
<add key="GSM.EQT.ImportBreakdown.FCLFoodItem.Enabled"
value="true"/>

<add key="GSM.EQT.ImportBreakdown.ComponentCatalog.Enabled"
value="true"/>

<add key="GSM.EQT.ImportBreakdown.AllowMaterials.Enabled"
value="false" configDescription="Turns on the ability to add
material specifications to breakdowns. This should only be used
for Food Service"/>
```

In v6.2:

```
<add key="GSM.Breakdown.FCLFoodItem.Enabled" value="true"
configDescription="Turns on the ability to add FCL food items to
breakdowns." />

<add key="GSM.Breakdown.ComponentCatalog.Enabled" value="true"
configDescription="Turns on the ability to add component catalogs
to breakdowns." />

<add key="GSM.Breakdown.MaterialSpecs.Enabled" value="false"
configDescription="Turns on the ability to add material
specifications to breakdowns. This should only be used for Food
Service" />
```

The related configuration (same in v6.1.1.x and v6.2):

```
<add key="Common.StrictPercentBreakdowns.Enabled" value="true"
configDescription="force the %breakdowns to be created from Component
Catalog" />
```

For example, when GSM.Breakdown.FreeTextComponents.Enabled, GSM.Breakdown.ComponentCatalog.Enabled, GSM.Breakdown.MaterialSpecs.Enabled are set to "True" and Common.StrictPercentBreakdowns.Enabled is set to "False", the user can create Product Formulas Components using Free Text, Material Specs, or Component Catalog items. (32553)



**Table 1–5 GSM Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<p><b>Edit rights can now be required to add material substitutions</b></p> <p>Previously substitutions could be added to a specification in read mode if the user had the SUBSTITUTE_MATERIAL_DEFINER. The user was not required to have edit rights to the specification. This is critical in some use cases because substitutes should be able to be added without giving editing rights to the official specification. However, in 6.2 you can now configure the system to only allow changes to this section when the user has edit access to the specification and the SUBSTITUTE_MATERIAL_DEFINER role. The following base feature configuration has been added:</p> <pre>&lt;add key="GSM.References.Substitute.Definition.ReadAccess.Enabled" value="true" configDescription="Allows substitutes to be defined on a material spec when the user has the role [SUBSTITUTE_MATERIAL_DEFINER] and read access to the spec. If false users with [SUBSTITUTE_MATERIAL_DEFINER] can only define substitutes if they have edit rights to the specification"/&gt;</pre> <p>(34080)</p>	17183747	Yes	
<p><b>Free Text Brand field being replaced by standard control</b></p> <p>Pre-6.2 the brands field on a trade specification allows users to enter free text or select from a pick list. This forced brands data to be stored as free text. This field has been replaced by a single select type ahead that doesn't allow free text entry.</p> <p><b>Upgrade Note:</b> After upgrading this new field will be enabled and your brands data will not be displayed. No data has been lost, it is just not being displayed. You can disable this new field and continue to use the legacy Free Text field by enabling the following configuration key:</p> <pre>&lt;add key="GSM.Trade.Brands.FreeText.Enabled" value="true"/&gt;</pre> <p>You can choose to use the new field, however data migration will be required. You will need to transfer previous brand data to this new field, as well as migrate the stored free text brand values to the Brands lookup list. (35292)</p>	18374534	Yes	Yes
<p><b>Adjust header to show item type</b></p> <p>For trade, material, formulation and packaging material specifications, the specification item type is now shown in the specification header by default. For example, instead of displaying "Material Specification" it will now display "Raw Material" or "External Output". This is configurable using material plugins. See the <i>Agile Product Lifecycle Management for Process Extensibility Guide</i>, Identity Plugin chapter for more information. (23575)</p>			
<p><b>Formulation BOM inputs now display status</b></p> <p>Status is now displayed with formulation BOM inputs.</p> <p><b>Upgrade Note:</b> This feature changed the default material identity plugin used in this area. If you are leveraging this plugin for another purpose you will need to merge in your custom configuration setting:</p> <pre>&lt;Plugin name="BOMInputItemPlugin" inheritFromPluginName="SpecStatusIdentityPlugin"&gt;&lt;/Plugin&gt;</pre> <p>(32067)</p>		Yes	
<p><b>GSM Business Unit list now only shows associated BUs</b></p> <p>When GSM BU Security is configured on, the business unit selection tool will now only show those BUs the user is associated to. Previously all GSM Business Units would be shown in the BU selection tool. This allowed the user to potentially select a BU that would ultimately restrict the specification from their view. See the <i>Agile Product Lifecycle Management for Process Security Configuration Guide</i> for more information. (32074)</p>			

**Table 1–5 GSM Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<p><b>Breakdown—Not equaling 100% warning now uses upper and lower limit configurations</b></p> <p>A 6.0.x hotfix and 6.1.1 maintenance release have introduced new configurations for composition rollup. These configurations set an upper and lower limit for breakdown totals. Currently, the breakdown popup warns users when a breakdown doesn't equal 100%. This warning can now be changed to warn users if the breakdown falls outside the upper or lower boundaries instead. The new message reads:</p> <p>Warning: "The composition of the components do not total between [lower limit] and [upper limit]."</p> <p>If the configurations upper and lower limit both equal 100% the following error is shown:</p> <p>"The composition of the components do not total 100%."</p> <p>(33737)</p>		Yes	
<p><b>Legacy Where Used Tool is being deprecated</b></p> <p>The legacy Where Used control on the References tab is being deprecated and now turned off by default. The Where Used Report Pack should now be used. The legacy control can be turned back on using the following configuration:</p> <pre>&lt;add key="GSM.References.Dependencies.Enabled" value="false"/&gt;</pre> <p>See the <i>Agile Product Lifecycle Management for Process Reporting Guide</i> for more information. (34461)</p>		Yes	Yes
<p><b>Component Catalog items are now controlled by status</b></p> <p>Component Catalog terms can now be archived. An Archived term will no longer be accessible for selection when creating a breakdown. (34860)</p>			
<p><b>Specifying cost behavior for multiple costs</b></p> <p>When using specification costing, some customers can have multiple costs defined for a specification. In this case, the application will now pull in the highest cost value by default. This can be easily changed to retrieve the lowest or the average cost through a configuration entry. Previously, the cost retrieved was not configurable; it selected the first cost by alphabetical order of the equivalent value.</p> <p>The costing behavior configuration is specified in the CustomerSettings.config in the GSMSettings node:</p> <pre>&lt;add key="GSM.Cost.MultipleFound" value="Highest " configDescription="If multiple cross references are found the system will pull the HIGHEST value"&gt;&lt;/add&gt;</pre> <p>OR</p> <pre>&lt;add key="GSM.Cost.MultipleFound" value="Average" configDescription="If multiple cross references are found the system will pull the AVERAGE value"&gt;&lt;/add&gt;</pre> <p>OR</p> <pre>&lt;add key="GSM.Cost.MultipleFound" value=" Lowest " configDescription="If multiple cross references are found the system will pull the LOWEST value"&gt;&lt;/add&gt;</pre> <p>By default, if no setting is specified, the application will use the highest cost value.</p> <p>This behavior is extensible; see the Cost Extensions chapter of the <i>Agile Product Lifecycle Management for Process Extensibility Guide</i> for details. (34964)</p>		Yes	

**Table 1–5 GSM Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Formulation UOM Conversion Tool</b>			
A conversion tool is now available on the formulation specification. This tool allows you to quickly convert multiple inputs at once to a UOM of your choice. (34983)			
<b>Ingredient Statements are now Rich Text</b>			
Ingredient statements can now be specified using Rich Text, allowing improved formatting options, such as marking allergens in bold. (35291)			
<b>Deprecate the Affiliate field</b>		Yes	
The attachment Affiliate field is being deprecated and turned off by default.			
<b>Upgrade Note:</b> This is a legacy field that historically cannot be administrated from the UI so this won't affect the majority of customers.			
The configuration item <code>GSM.LegacyAffiliate.Enabled</code> was renamed to <code>Common.LegacyAffiliate.Enabled</code> and the config item <code>SCRM.EQT.UserView.AffiliateName.Enabled</code> was renamed to <code>Common.EQT.Userview.AffiliateName.Enabled</code> to reflect the universal effect that these items have throughout the application suite.			
Please see the <i>Agile Product Lifecycle Management for Process Configuration Guide</i> for more information. (35642)			
<b>Approved For Use In UI location</b>			
The Approved for Use in section has been moved up on the specification page to be more accessible. It now appears below the Summary section. (35643)			

**Table 1–5 GSM Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<p><b>Approved For Use In configuration changes</b></p> <p>Approved for Use In configuration changes have been improved so you now have the ability to mix and match all approved for use in options like Country, Concepts, Business Units and the newly added Segment. For example, you can now have Countries and Concepts enabled for a specification at the same time.</p> <p>The previous configurations that enabled country and concepts have been converted to a singular key approach rather than the legacy list approach.</p> <p>New Countries configuration:</p> <pre>&lt;add key="GSM.ApprovedForUse.Countries.Enabled" value="1004,1005,1006,1007,1009,1010,2076,2147,2229,2280,5750,5788,6500,6501,2121,5816,2283" /&gt;</pre> <p>New Concepts configuration:</p> <pre>&lt;GSMSettings configChildKey="key"&gt; &lt;add key="GSM.ApprovedForUse.Concepts.Enabled" value="1004,1005,1006,1007,1009,1010,2076,2147,2229,2280,5750,5788,6500,6501,2121,5816,2283" /&gt;</pre> <p>EQ now relies on the GSM configuration for these fields.</p> <p><b>Upgrade Note:</b> This change will require you to migrate your current configuration settings to this new approach.</p> <p><b>Pre-6.2 Concepts Configuration</b></p> <pre>&lt;ProdikaSettings&gt; &lt;ConceptAwareSpecs configChildKey="key"&gt; &lt;add key="1004" value="true"/&gt; &lt;add key="1005" value="true"/&gt; &lt;add key="1006" value="true"/&gt; ....</pre> <p><b>Pre-6.2 Country Configuration</b></p> <p>This section appeared when concepts was displayed. For example, if the 1004 key under &lt;ConceptAwareSpecs&gt; was set to false, then material specifications would display the Approved For Use In Country section.</p> <p><b>Pre-6.2 eQ Configurations</b></p> <p>Previously there were explicit configurations for eQuestionnaires. eQ now inherits the specification's configuration so the following configurations were removed:</p> <pre>&lt;add key="EQ.ApprovedUsage.BUCountry.Enabled" value="true"/&gt; &lt;add key="EQ.ApprovedUsage.BUConcept.Enabled" value="true"/&gt;</pre> <p><b>Pre-6.2 GSM Print Configurations</b></p> <p>Previously there were explicit configurations for GSM print behavior. Print now inherits the specification's configuration so the following configurations were removed:</p> <pre>&lt;add key="GSM.ApprovedUsage.PrimaryTaxonomy.Enabled" value="true"/&gt; &lt;add key="GSM.ApprovedUsage.SecondaryTaxonomy.Enabled" value="true"/&gt;</pre> <p>See the <i>Agile Product Lifecycle Management for Process Configuration Guide</i> for more information. (35643)</p>		Yes	

**Table 1–5 GSM Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<p><b>Approved For Use In now supported for GSM activities</b></p> <p>GSM activities now support Approved For Use In functionality. This allows you to associate a GSM activity to a business unit, concept and/or segment. This data can be used for workflow resolution. This will also allow you to enforce BU and segment security.</p> <p>This feature is configurable using the following configuration key:</p> <p>GSM.Activity.ApprovedForUse.Enabled</p> <p>(35644)</p>		Yes	
<p><b>Packaging Tare Weight has been consolidated with Available UOMs</b></p> <p>The packaging tare weight field on the packaging material specification has been moved to the Available UOMs section.</p> <p><i>Upgrade Note:</i> There are mandatory pre-install and post-install tare weight migration scripts. See "<a href="#">Migration Impact</a>" on page 1-39 for more information.</p> <p>If you were previously using both the Tare Weight field and the Available UOM section, you may need to contact support for additional tare weight migration assistance.(35422)</p>			Yes
<p><b>New role for optimization</b></p> <p>The role [FRM_OPTIMIZATION] is now required to use the formula optimization tool. (34836)</p>			Yes
<p><b>New role for label claim management</b></p> <p>The role [LABEL_CLAIMS_CREATOR] is needed to use the label claims determination engine that can be launched from trade, menu item, nutritional profile or formulation output. (34836)</p>			Yes

## NPD (New Product Development) Enhancements

Please refer to the *Agile Product Lifecycle Management for Process New Product Development User Guide* for more information on these changes.

**Table 1–6 NPD Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Remove hard-coded NPD group filter and add as a configuration</b> Which UGM Groups are filtered by NPD can now be configured with the following AppSettings Config key: <pre>&lt;add key="NPDGroupFilter " value="PKID or *"/&gt;</pre> Upgrade Note: By default NPD will show all UGM groups. <b>This is a change in current behavior.</b> If you want to retain current behavior, you can set the configuration value to: <pre>"205599ceb7bc-84b2-4432-82c1-2622115cd142"</pre> (22687)	7359113	Yes	
<b>Allow users to edit completed strategic briefs</b> If specified on the template users can now edit completed strategic briefs. Previously strategic briefs were read only once they reach the "Complete" status. (34673)	9729562		
<b>Custom data</b> Custom data (custom sections, simple extended attributes and calculated extended attributes) have been added to NPD projects, activities, ISPs and strategic briefs. You can also add custom data to the related NPD templates and instances will inherit those items. All locations support standard custom data features like object level security, searching and calculated extended attributes. (16493, 34671)	9928402, 17717388		
<b>Usability improvements for metrics</b> NPD Metric usability has been greatly improved. You can now edit metrics inline without having to go to the setup screen. Metric text character length has been increased, and the metric filter display has been improved. (33622)	16873598		
<b>Import metrics at the project level</b> You can now import metrics using an Excel spreadsheet at the project level without relying on an activity. Follow the same steps you would as importing metrics into activities, as described in the <i>Agile Product Lifecycle Management for Process New Product Development User Guide</i> . (33622)	16873598		
<b>Object Level Security now supports NPD metrics</b> Object Level Security (OLS) is now supported with NPD metrics. OLS will allow you to restrict visibility to metrics based on user group. See the <i>Agile Product Lifecycle Management for Process Security Guide</i> to learn more about OLS. (33500)	17302723, 10010095		
<b>Inline editing added</b> Most pencils (edit icons) have been removed from NPD grids. You can now edit grids using inline editing. (33632)	18764250		
<b>Stage and Strategic Brief questions are being deprecated</b> With Release 6.2, NPD stage and strategic brief questions are being deprecated. Custom data should now be used to capture this type of information. See the <i>Agile Product Lifecycle Management for Process New Product Development User Guide</i> for more information. (32646, 34672)	16837507		Yes

**Table 1–6 NPD Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Activity primary search</b> You can now search for activities as primary objects. Results returned respect NPD Private project security. (33629)	17482752		
<b>Instance level participant selection</b> Users can now select participants during workflow (All members, multiple members, one member). A UI has been added to the NPD workflow popup that allows users to select owners, notifications and signature requests based on their functional area. (34289)	17814093		Yes
<b>Activity Workflow Instructions are displayed more prominently</b> Workflow instructions are now displayed on the summary tab of the NPD activity. This allows you to quickly see the desired action without having to go to the signatures/approval tab. (16500, 37417)			
<b>Conditional notifications by BU/Project Type</b> Users now have the ability to send out conditional notifications on project stage TMFR, ISP screening TMFR, activity owners/signature requests/notifies, and strategic Brief TMFR. For more information about this feature refer to the <i>Agile Product Lifecycle Management for Process New Product Development User Guide</i> . (33625)			Yes
<b>Allow for multiple owners to be selected in action items</b> Multiple owners may now be selected in NPD action items. The following configuration key has been added to help manage performance if needed. It will limit the max number of items displayed on the NPD Action items page. <pre> &lt;ActionItems&gt;          &lt;add key="MaxItemsToDisplay" value="500" configDescription="This is the max number of items returned on the action items listing. The system upper limit is 2500 items"/&gt; &lt;/ActionItems&gt;          &lt;ActionItemsMaxResults&gt;          &lt;add key="SystemMaximum" value="2500"/&gt;          &lt;/ActionItemsMaxResults&gt; </pre> If the value is greater than the value configured by SystemMaximum, the maximum number will be the value of SystemMaximum. It has effects on all grids of the NPD action items page. For more details, refer to the <i>Agile Product Lifecycle Management for Process Configuration Guide</i> . (33626)		Yes	
<b>Label change</b> The RAG/SLA column on the Strategic Briefs and Projects tab of Action Items has been renamed to Gate SLA. (34674)			

**Table 1–6 NPD Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Calculated extended attributes are supported</b> Calculated extended attributes are now supported in NPD. You can also reference metrics with out of the box calculated EA methods. See the <i>Agile Product Lifecycle Management for Process Extended Attribute Calculation Guide</i> for more information. (35015)			
<b>Allow user to turn off metric calculations</b> Prior to this release, when a metric was uploaded on an activity the system summed the metrics. You can now turn off metric calculations using the metric template. When the metric Type is set as "Quantitative", a new drop-down called Calculation allows you to select None so that the metric is replaced with values from uploaded files. Sum is the other selection, which is the default. By selecting Sum, the metric continues it's current behavior of summing. (35286)			
<b>Signature document group approval for NPD activities</b> You now have the ability to designate a minimum number of "Approved" signature documents required to forward NPD activities. For example, you can now configure NPD to send a single Signature Request to multiple users within a group, and once a single user "Approves" a Signature Request the workflow may proceed without "Approval" of the remaining Signature Requests. Note the new Req # column in the Signature Requests table. The Req # field must be activated when the user has selected "All Members" or "Multiple Members" for the Selection Mode. The user should have the option to select <Blank> or any integer for 1 to 99. The default value should be <Blank>. (34289)			

## NSM (Nutrition Surveillance Management) Enhancements

Please refer to the *Agile Product Lifecycle Management for Process Nutrition Surveillance Management User Guide* for more information on these changes.

**Table 1–7 NSM Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Add product specifications to NSM analysis import</b> Product specifications are available for NSM analysis import. See the <i>Agile Product Lifecycle Management for Process Nutrition Surveillance Management User Guide</i> , Nutrient Analysis chapter, for more information. (33621)	17516798		



## PQM (Product Quality Management) Enhancements

Please refer to the *Agile Product Lifecycle Management for Process Product Quality Management User Guide* for more information on these changes.

**Table 1–8 PQM Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Add the ability to find issues, actions and audits based on the affected item's associated equivalent number</b>			
Users now have the ability to find issues, actions, and audits based on an item's selected cross reference; (by Equivalent) Contains/Equals/ Starts With free text.			
A user can now input the equivalent of affected specifications, and the system performs a search based on the equivalent number, filters out all the specifications that are related with this equivalent, and then shows the result of PQM objects that are associated with any of those specifications. (31572)			

## RPT (Reporting) Enhancements

Please refer to the *Agile Product Lifecycle Management for Process Reporting User Guide* for more information on these changes.

**Table 1–9 RPT Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Ad Hoc Reporting now supports all applications</b>			
RPT has been enhanced to include the available search models across the product suite. This has been expanded to support over 40 models. You can now create queued reports for the following applications: GSM, SCRM, NPD, eQ, PQM, UGM, Custom Data, DRL, NSM and LIO.			
Ad Hoc Reporting now supports all available result columns.			
Custom Layouts inside Ad Hoc Reporting has been enhanced to include all possible result columns.			
Ad Hoc Reports has been renamed to more accurately represent it's function. Ad Hoc Reports is now called Queued Searches. Reporting has now been named Queued Searching. Reports Queue has been named Search Queue. (39312)			

## SCRM (Supply Chain Relationship Management) Enhancements

Please refer to the *Agile Product Lifecycle Management for Process Supply Chain Relationship Management User Guide* for more information on these changes.

**Table 1–10 SCRM Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>New Contact Profiles object</b> A new object in SCRM has been created called "Contact Profile". It will replace SCRM contacts and Supplier Portal Administration. This allows for less duplication of contact data as well as more sophisticated features surrounding Supplier Portal registrants. Some key areas include: <ul style="list-style-type: none"> <li>■ Registrant search</li> <li>■ Shared contacts across companies and facilities</li> <li>■ Last login information is saved</li> </ul> <b>Upgrade Note:</b> All existing SCRM contacts and Supplier Portal registrants have been migrated to contact profiles. See <a href="#">"Migration Impact"</a> on page 1-39 for more information.			Yes
<b>SCRM copy ability</b> Users now have the ability to copy a company, facility or sourcing approval inside SCRM. A new role has been created SCRM_COPIER. This new role plus the corresponding creator role is required to copy an SCRM object. For example, a user must have the SCRM_COPIER and SAC_CREATOR role to copy spec-related sourcing approvals. Pre-work is needed for this change. (31375)	7558358, 17648623		Yes
<b>End of Life Solutions for Companies, Facilities and Sourcing Approvals</b> You now have the ability to archive company profiles, facility profiles, sourcing approvals and contact profiles. Once an SCRM object is archived, it will not appear in the appropriate GSM or SCRM grids or EQT search results unless the user has the new [ARCHIVED_SCRM_VIEWER] role. This new [ARCHIVED_SCRM_VIEWER] role will also expose a new flag (Show Archived SCRM Objects) on the affected grids to allow the user to reveal (or hide) archived SCRM objects. Users with this new role will also have a new "Show Archived SCRM Objects" option on their Profile and Preferences that defaults "Show Archived SCRM Objects" flag as preferred. To learn more about the new SCRM Archive feature see the <i>Agile Product Lifecycle Management for Process Supply Chain Relationship Management User Guide</i> . (32682)	9009449		Yes
<b>Sourcing approval supporting documents are now published to Supplier Portal</b> You can now publish sourcing approval documents to supplier portal. See the <i>Agile Product Lifecycle Management for Process Supplier Portal User Guide</i> for more information. (30484)	13927281		
<b>Ability to customize Province/State field</b> The Province/State field on companies and facilities is now managed in ADMN. (32558)	16317977		
<b>Sourcing Approval search criteria added</b> You can now search for sourcing approvals based on the following fields: <ul style="list-style-type: none"> <li>■ Questionnaire Owner, equals, single select user search tool</li> <li>■ Additional Administrators, contains one/contains all, multi select user and group search tool</li> </ul> (37083)			



# Supplier Portal and eQuestionnaire Enhancements

Table 1–11 SP and eQ Enhancements

Description	Tracking #s	Config Impact?	Pre Work?
<b>Added ability to audit changes to contact profiles made through Supplier Portal</b>  Related to "New Contact Profiles object" on page 1-28, PLM for Process now captures a time/date stamp of any changes to a contact profile made in Supplier Portal, as well as the username of the person making the changes. The system also captures Username, Timestamp of all Supplier Portal access requests or deactivation from within Supplier Portal. This information is used to create views to be used in BI Publisher reports for Contact Profile audit reporting.  For a given contact the following items are captured: Supplier making change, directly associated companies for contact, directly associated facilities for contact, and changes made (list of changes needed). For example:  Action: update Related Object: Contact Updated  Action: add Related Object: Contact  Action: request access Related Object: User requesting access for (35786, 35176)			
<b>Sourcing Approvals are now included in eQuestionnaires</b>  You can now use eQ to gather sourcing approval information from your suppliers. This includes documentation as well as custom data. Learn more in the <i>Agile Product Lifecycle Management for Process eQuestionnaire User Guide</i> . (11185)	304050, 7409977, 12351708, 7410005, 7409977, 14167988		

Figure 1–10 Sourcing approval



## Supplier Portal and eQuestionnaire Enhancements

**Table 1–11 SP and eQ Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Default eQ Sender Company</b> You can now default the eQ sender string. When an eQ is created a default string is inserted into the field. The out of the box default is the following translation value: WebCommon/ApplicationHeader/lblProprietaryCompanyName The key config item for this is in CustomerSettings.config: <pre>&lt;EQ&gt;   &lt;EQConfig configChildKey="key"&gt;     &lt;add key="eQ.SenderCompany.Default" value="UserProfileFacility"       configDescription="This determines the default value of the eQ Sender Company. If set to 'UserProfileFacility', the field will be populated with the UGM User Profile Facility. Otherwise the value will be used as a translation label retrieved from the 'EQService/Miscellaneous' cache." /&gt;   &lt;/EQConfig&gt; &lt;/EQ&gt;</pre> If the value is set to "UserProfileFacility" (the default), the user's facility name will be used as the default contact company name when creating an eQ request. If the value is set to anything else, it is assumed to be a translation label in the EQService/Miscellaneous cache. This translation will be used as the default contact company name. If either of these settings result in an empty string (user doesn't have a facility name, or the translation label is missing), then the system will try to pull the following translation value: WebCommon/ApplicationHeader/lblProprietaryCompanyName If this value exists, it will be used as the default contact company name. (34696)		Yes	
<b>Supplier Manager</b> Suppliers can now manage and request their own employees' access to Supplier Portal. Supplier Registrants can now be assigned as supplier managers. <ul style="list-style-type: none"> <li>Managers can remove portal access for an employee.</li> <li>Managers can request portal access for a new employees.</li> <li>Managers have their own action item view. They are able to see all of their employees' open questionnaires and specification review tasks.</li> <li>Managers can reassign questionnaire owners.</li> <li>Managers can manage/request employee access to Supplier Portal.</li> </ul>			
<b>May Contain compliance data added to questionnaires</b> eQ has added "May Contain" compliance information. (11569)	7107683, 18404503		
<b>Material classification added to questionnaires</b> Users now have the ability to gather classification data for material specifications from suppliers. (12632)	7412152		
<b>Tare Weight added to questionnaires</b> The change provides the ability to gather tare weight data for packaging specifications from suppliers. (31356)	9894251		

## Supplier Portal and eQuestionnaire Enhancements

**Table 1–11 SP and eQ Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Disabled self-registration</b> You now have the ability to disable supplier self registration and manage supplier registrants internally. See the <i>Agile Product Lifecycle Management for Process Configuration Guide</i> for more information. (30481)	14275430	Yes	
<b>Questionnaires tied to existing registrant</b> This allows suppliers to view and manage their questionnaires directly from Supplier Portal. This allows the supplier to see all open questionnaires in one location rather than having to log into each open questionnaire separately. eQuestionnaires can now be tied to an existing supplier registrant. (30482)	14217929		
<b>Suppliers can now manage their company eQs</b> Supplier Managers can now manage questionnaires for all of their company contacts. Supplier Managers can do the following: <ul style="list-style-type: none"> <li>■ Re-assign eQs to other company contacts</li> <li>■ View open eQs for all company contacts</li> <li>■ Edit open eQs for all company contacts</li> <li>■ View previously submitted eQs</li> </ul> For more information, please refer to the <i>Agile Product Lifecycle Management for Process eQuestionnaire User Guide</i> . (30482)	14217929		
<b>An eQ can now be sent in read mode</b> The user can now send an eQ in read mode. (32295)	14767982		
<b>Users can now create an eQ directly from a specification</b> A new action icon has been added to specifications, so users can now create an eQ from a specification. (33641)	17235081		
<b>eQ retraction notification</b> Now when an eQ is Retracted, the supplier will be notified. (33642)	17260581		

## Supplier Portal and eQuestionnaire Enhancements

**Table 1–11 SP and eQ Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Questionnaire can change when eQ admin retracts an eQ</b> The user is now allowed to edit all the grids when an eQ is retracted. This will allow users to update data that they previously entered incorrectly. (31664)			
<b>Supplier Portal Authentication</b> Supplier Portal authentication strategy is now extensible. For example, this allows you to create an LDAP strategy rather than standard application authentication. For more information see the "Supplier Portal Authentication" section of the <i>Agile Product Lifecycle Management for Process Configuration Guide</i> . (32528)	12596511	Yes	Yes
<b>Complex password support and password expiration</b> Supplier Portal now supports complex passwords. Related configurations are in the ValidationSettings.config file: <pre>&lt;rule type="spPassword"&gt;   &lt;condition event="save" minRequirement="3"&gt;     &lt;if type="ReflectiveRegexValidator" property="Text"       expression="[a-z]+"&gt;&lt;/if&gt;     &lt;if type="ReflectiveRegexValidator" property="Text"       expression="[A-Z]+"&gt;&lt;/if&gt;     &lt;if type="ReflectiveRegexValidator" property="Text"       expression="[0-9]+"&gt;&lt;/if&gt;     &lt;if type="ReflectiveRegexValidator" property="Text"       expression="[~!@#\$%^&amp;*()_;&lt;&gt;?=\[\]\+\\-]"&gt;&lt;/if&gt;   &lt;/condition&gt; &lt;/rule&gt;</pre> You can set Supplier Portal user access to expire with a new parameter named 'SPPasswordExpiration' in file EnvironmentSettings.config. For more information please refer to the <i>Agile Product Lifecycle Management for Process Configuration Guide</i> . (35101, 35102)	14461927	Yes	

## UGM (User Group Management) Enhancements

**Table 1–12 UGM Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Set all user preferences</b> You now have the ability to set all user preferences in UGM. (18741)	10252590		
<b>Add first and last name and country to the action item listing</b> First Name, Last Name and Country have been added to the UGM Action Items grid. This should make it easier for UGM administrators with geographical responsibilities to review/approve user access request. (30485)	13842448		
<b>Add State/Province as search criteria to user profile searches</b> State/Province has been added as a search criteria to all UGM user profile searches. (32548)	16325963		

## WFA (Workflow Administration) Enhancements

**Table 1–13 WFA Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Owner notification when signature document is not approved</b> Notifying the owner when a signature doc is “Not Approved” has been added. Specification owners are now sent an email notification as soon as one Signature Document has been workflowed to “Not Approved” instead of waiting for all Signature Documents to be completed. If multiple signature documents have been issued for a specifications, the owner should be sent an email notification as soon as one of the Signature Documents have been workflowed to “Not Approved”. The workflow owner should be sent the same email notification that is currently sent when all signature documents have been completed with one or more are “Not Approved”. (11628)	17035132, 18091592		
<b>Configurable Comment requirement</b> You can now determine whether workflow comments are required. This is configured on the WFA template as a transition attribute. Previously comments were always required. (32544, 33048)	13420184, 13635514, 10352900		
<b>Signature document workflow override</b> A new conditional Signature Request Override flag has been added to the transitions grid in WFA. This allows users that meet the override condition to workflow the specification forward without the Signature Request being in an approved state. The Signature Request Override conditions include: Business Unit, Category, Classification, Complies With, Country, User Group and User Role. (18752)	10067729, 7339889		
<b>Signature document group approval management enhanced</b> You now have the ability in WFA to designate a minimum number of “Approved” signature documents required in order to workflow GSM, SCRM and PQM objects forward in the workflow process. For example, you can now configure WFA to send a single Signature Request to multiple users within a group, and once a single user “Approves” a Signature Request the workflow may proceed without “Approval” of the remaining Signature Requests. (32554)	13635514, 10352900		



## Infrastructure Enhancements

**Table 1–14 Infrastructure Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Set all user preferences</b> You now have the ability to set all user preferences in UGM. (18741)	10252590		
<b>Add first and last name and country to the action item listing</b> First Name, Last Name and Country have been added to the UGM Action Items grid. This should make it easier for UGM administrators with geographical responsibilities to review / approve user access request. (30485)	13842448		
<b>Add State/Province as search criteria to user profile searches</b> State/Province has been added as a search criteria to all UGM user profile searches. (32548)	16325963		
<b>New role for optimization</b> The role [FRM_OPTIMIZATION] is now required to use the formula optimization tool. (34836)			Yes
<b>New role for label claim management</b> The role [LABEL_CLAIMS_CREATOR] is needed to use the label claims determination engine that can be launched from trade, menu item, nutritional profile or formulation output. (34836)			
<b>Rename event log names to be consistent and meaningful</b> To ensure consistency, we have renamed several of our event logs. Also, some unused events were deleted. For more information, see the <i>Agile Product Lifecycle Management for Process Install_Upgrade Guide</i> . (34826)			
<b>Increased Browser Support</b> The following browsers are now supported: <ul style="list-style-type: none"> <li>■ Chrome version 36.0+</li> </ul> Support of the following browsers was removed: <ul style="list-style-type: none"> <li>■ Deprecating IE versions lower than 10.0</li> </ul>			
<b>.NET 4.5.x is now required</b> As of 6.2.0, Agile PLM for Process is built upon .NET Framework 4.5.x. As part of the installation process, you will need to install .NET Framework 4.5.2.			

**Table 1–15 Infrastructure Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<p><b>Configuration cleanup and consolidation</b></p> <p>In an effort to reduce the number of touch points and ease implementation when configuring Agile PLM for Process, several variables have been moved out of EnvironmentSettings.config and into environmentvariables.config.</p> <p>Additionally, environmentvariables.config has been reorganized for better readability, and all variables have been changed to begin with PLM4P instead of Prodika. If you have a custom variable name that starts with Prodika, it should be renamed to start with PLM4P.</p> <p>Find below a list of notable changes from previous releases.</p> <ul style="list-style-type: none"> <li>■ <b>PLM4P.DB.Type</b>—In previous versions, to switch your database from Microsoft SQL Server to ORACLE, you had to manually add two nodes to the environmentsettings.config. The same can now be accomplished by changing the PLM4P.DB.Type variable. For an Oracle DB, set this to 'orcl' and for a Microsoft SQL Server DB, set this to 'msql'.</li> <li>■ <b>PLM4P.Environment.Name</b>—This variable was added for future enhancement enablement. For now, it replaces the System attribute in &lt;DataExchangeConfig&gt; in EnvironmentSettings.config. Currently, you will still have to touch EnvironmentSettings.config to update the &lt;TargetSystems&gt; or &lt;SourceSystems&gt;.</li> <li>■ <b>PLM4P.ReadyReports.URL</b>—As Ready Reports is integrated into the core product, an URL variable is needed. As with most of the URL variables, there should be no reason to change this.</li> <li>■ <b>PLM4P.XDocuments.Path</b>—Variable moved from EnvironmentSettings.config to EnvironmentVariables.config.</li> <li>■ <b>PLM4P.To.BCCAddress</b>—Variable moved from EnvironmentSettings.config to EnvironmentVariables.config.</li> <li>■ <b>Remoting Container Services</b>—All variables to enable/disable the Remoting Container services has been moved from EnvironmentSettings.config to EnvironmentVariables.config.</li> <li>■ <b>Data Admin Import/Export</b>—All variables to enable/disable import and export related to UGM and WFA have been moved from EnvironmentSettings.config to EnvironmentVariables.config.</li> </ul> <p>Refer to the <i>Agile Product Lifecycle Management for Process Configuration Guide</i> and <i>Agile Product Lifecycle Management for Process Install_Upgrade Guide</i> for more information. (32692, 34827, 36484)</p>		Yes	
<p><b>Email Content Extension Logic</b></p> <p>Customizing the content of workflow emails without custom code is now easier with the addition of a new set of placeholder variables, conditional variables, and other capabilities. These variables are available using an out of the box plugin.</p> <p>Some examples of the new functionality include:</p> <ul style="list-style-type: none"> <li>■ Displaying new data in the emails, such as the workflow Comment, Cross Reference numbers, Category/Sub-category/Group, a trade specification's GTIN, a material specification's Ingredient Statement, etc.</li> <li>■ Providing meaningful related specification information in Signature Document emails.</li> <li>■ Conditionally displaying data, such as only including a material specification's classification if it is an Approved status.</li> </ul> <p>See the Email Extensions document in the extensibility pack for further details:</p> <p>ReferenceImplementations\EmailExtensions\Documentation\Email Extensions.docx. (33480)</p>			

## Installer Enhancements

Table 1–16 Installer Enhancements

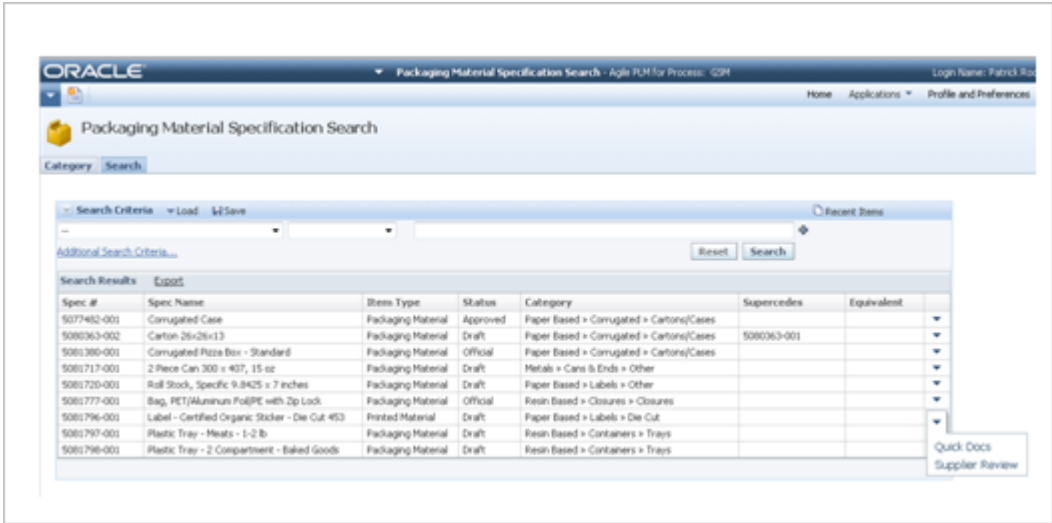
Description	Tracking #s	Config Impact?	Pre Work?
<b>Provide more information in the versionhistory table</b>			
A Release column was added to the VersionHistory table. This will enable customers, support, and development to easily track when a particular script was added and what releases have been installed. (32869)			

## Extensibility Enhancements

Table 1–17 Extensibility Enhancements

Description	Tracking #s	Config Impact?	Pre Work?
<b>Search Result Navigation</b>			
You can now add navigation items to each search result row. For example, you could launch reports from this location. To learn more about navigation extensibility, see the <i>Agile Product Lifecycle Management for Process Navigation Configuration Guide</i> .			

Figure 1–11 Search Results



### Object icon extensibility

Object Icons are now extensible as plugins. You can also overlay the icon with a status aware icon. For example, you can display a different indicator when a specification is in "Review" versus "Approved". See the *Agile Product Lifecycle Management for Process Extensibility Guide* for more information. (35801)

### New Material Identity Plugin added to specification supercedes

9451186

A new material identity plugin has been added to the specification supercedes field. See the *Agile Product Lifecycle Management for Process Extensibility Guide* for more information. (31358)

**Table 1–17 Extensibility Enhancements**

Description	Tracking #s	Config Impact?	Pre Work?
<b>Sidebar</b>			
An extensible sidebar has been added. This sidebar allows you to contextually display content within the UI. The hierarchy navigator solution pack now uses this sidebar. See the <i>Agile Product Lifecycle Management for Process Side Bar Extensibility Guide</i> for more information. (32638)			
<b>Validation Framework now supports script based validator for rapid development</b>			
In an effort to improve the process of writing custom validation, decrease the development and testing time, and simplify configuration and installation, a new Validator has been created that leverages a script-based approach to validation.			
The validator uses JavaScript for simple and more intuitive validation code that is easier to write and requires no class compilations. Customers can write straight-forward JavaScript to perform server-side validation, while leveraging existing helper methods and properties. For instance, helper methods such as GetEA(eaID) will return the desired Extended Attribute of an object. An identical validator is available for Development/Testing purposes allowing developers to make a change to the script file and immediately apply the change to the application. This allows changes to be tested without any redeployment or application restarts and therefore greatly accelerates the validation writing process			
For more details see the <i>Script-based Validation Guide</i> document in the Feature Pack. (32705)			
<b>Plugin added to GSM specification originator field</b>	10365360		
A plugin was added next to the originator field of a specification. This will allow you to add any information needed to further describe the originator. (18739)			
<b>Signature Request Notifications are now extensible</b>			
You can learn more about this feature in the Email Extensions document in the extensibility pack for further details:			
ReferenceImplementations\EmailExtensions\Documentation\Email Extensions.docx. (33479)			
<b>NPD emails are extensible</b>			
NPD emails are now extensible. See the <i>Agile Product Lifecycle Management for Process Email Extensibility Guide</i> for more information. (32789)			
<b>Supplier Portal Email Notification Customization</b>			
Supplier Portal email notifications can now be customized. For additional information, please see the <i>Agile Product Lifecycle Management for Process Email Extensibility Guide</i> . (34407)			
<b>UGM Email Notification Customization</b>	16305203		
UGM notification emails are now extensible. See the Email Extensions document in the extensibility pack for further details:			
ReferenceImplementations\EmailExtensions\Documentation\Email Extensions.docx. (32551)			

## Migration Impact

The following changes have migration impact and will require modifications to your upgrade process.

- ["New Contact Profiles object"](#) on page 1-28. We recommend running a pre-upgrade script to identify conflict data or non-standard data. If you choose not to identify and correct any bad data, you may lose contacts with an invalid email or contacts with blank first or last names. For more information and instructions, see <https://community.oracle.com/docs/DOC-914004>.
- ["Packaging Tare Weight has been consolidated with Available UOMs"](#) on page 1-23. Before you upgrade, you will need to download 6.2.0.0.2 (include patch # and link) and follow the instructions to properly migrate your Tare Weight data to avoid any potential data loss. For more information, please refer to the *Agile Product Lifecycle Management for Process Install\_Upgrade Guide*.

## Removed Configurations

The following configurations have been removed with the 6.2 Release:

- `<add key="GSM.EQT.MasterSpec.APSpecLimits.Enabled" value="true" />`
- `<add key="GSM.EQT.SpecSummary.MasterSpec.APSpecLimits.Enabled" value="true" />`
- `<add key="GSM.Printing.AnalyticalProperty.cOfa.Enabled" value="false" />`
- `<add key="GSM.SideNav.LIOProfile.Enabled" value="true" />`. This was replaced with the "GSM.LIO.Enabled" configuration.
- `<add key="GSM.MaterialSpec.AnalyticalProperty.CofA.Enabled" value="false" />`
- `<add key="GSM.ApprovedUsage.PrimaryTaxonomy.Enabled" value="true" />`
- `<add key="GSM.ApprovedUsage.SecondaryTaxonomy.Enabled" value="true" />`
- `<add key="GSM.TradeSpec.AnalyticalProperties.Enabled" value="false" />`
- `<add key="GSM.AttachmentProcedure.ShortName.Enabled" value="false" />`
- `<add key="GSM.HACCP.ShortName.Enabled" value="false" />`
- `<add key="GSM.OperationsEquipment.ShortName.Enabled" value="false" />`
- `<add key="GSM.Integration.LIMS.Enabled" value="false" />`
- `<add key="GSM.SpecificationTracks.Enabled" value="true" />`. This was replaced with the "GSM.ChangeConflictPrevention.Enabled" configuration.
- `<add key="SCRM.EQT.UserView.AffiliateName.Enabled" value="true" />`. This was replaced with the "Common.EQT.UserView.AffiliateName.Enabled" configuration.



---

## Resolved Issues

This chapter contains information on issues that have been resolved for Release 6.2 of Oracle Agile Product Lifecycle Management for Process.

### Resolved Issues

The following tables outline known issues that have been resolved for Release 6.2 of Agile Product Lifecycle Management for Process.

---

---

**Note:** Product support for data that has been imported will only extend to data that could have been entered manually in the application user interface.

---

---

### General Resolved Issues

**Table 2–1** General Resolved Issues

Description	Resolution	Tracking #s
GSM.CHANGECONFLICTPREVENTION.ENAB LED feature config should be removed and always enabled. (34504)	Removed the feature in the configure file. Added prejudice for SourcingApprovalML.	17828614
Hourglass does not appear consistently throughout GSM/PLM for Process. (35668)	Please Wait control was not added to the popup.	18467372

### ADMN (Data Administration) Resolved Issues

**Table 2–2** ADMN Resolved Issues

Description	Resolution	Tracking #s
Request to have second sort order of ID. (34102)	Solution was to sort such rows or columns by sequence and alphabetically.	16472737

## eQ (eQuestionnaire) Resolved Issues

**Table 2–3 eQ Resolved Issues**

Description	Resolution	Tracking #s
Request to move location of search icon for consistency. (32654)	The search icon for the classification field was moved to the right side of the field instead of underneath.	16841369

## GSM (Global Specification Management) Resolved Issues

**Table 2–4 GSM Resolved Issues**

Description	Resolution	Tracking #s
Users need more control over multi-lingual ingredient statements. Previously you had no choice and the system cleared all translated values when a statement was generated or pushed. (32753)	The translation globe is now available at all times for the ingredient statement field on material, product and nutrient profile specifications. Previously this icon was hidden when the ingredient statement generation icon was shown.	
Conditional visibility doesn't work with multiple extensible formulation columns. (34997)	The design of conditional visibility was re-worked to account for display order changes when a column is shown or hidden. Multiple columns are supported.	

## NPD (New Product Development) Resolved Issues

**Table 2–5 NPD Resolved Issues**

Description	Resolution	Tracking #s
Project does not open from IE popup menus. (33014)	An href attribute was added to these links.	17347350
Request to change error message to warning message. (34100)	The error message was changed into a warning message.	17795764
ISPs: No delete of supporting documents records is possible. (34773)	This bug was solved by the supporting the document project in 6.2. The delete icon (red X) in the Supporting Documents tab in NPD was added for Innovation/Sales Pipelines, and the user can completely delete the record.	18153153



## SCRM (Supply Chain Relationship Management) Resolved Issues

**Table 2–6 SCRM Resolved Issues**

Description	Resolution	Tracking #s
Deleting SRAs when the limit is exceeded. (35359)	A configuration to change the max SRSA limitation in customersettings.config (<add key="MaxDisplayedSpecRelatedSourcingApprovals" value="100">) was added, and users are now be able to see more sourcing approvals.	18436518

## UGM (User Group Management) Resolved Issues

**Table 2–7 UGM Resolved Issues**

Description	Resolution	Tracking #s
Notifications from UGM don't include comments during review status. (30293)	Comments was added in the email instead of requiring user to look at the comments on the Approval/Audit tab of the UGM Change Request pages.	14233349
Notifications sent to inactive users. (32391)	If user status is InActive, the user should not receive a email notification when there is UGM workflow update.	16732355



## Hot Fixes

This chapter contains hot fixes included in Release 6.2 of Oracle Agile Product Lifecycle Management for Process.

### Hot Fixes

The following hot fixes are included in Release 6.2. These include hot fixes from Release 6.1.1.5 that were merged with 6.2.

**Table 3–1 Hot fixes**

Hot Fix	Issue	Resolution
6.1.0.3.18 18376594	In NPD, project name shows escaped characters on the activity signature screen.	Project name was decoded to avoid showing escaped characters. (35089)
6.1.0.3.20 18772104	A change to a formulation specification is not registering.	More strict filtering conditions are used in generating the where used list. (35937)
6.1.1.4.38 20297679 (Base: 20297648)	Unable to log in once Performance Logging has started.	Some logic was rewritten in Performance Logging, and login is successful. (39035)
6.1.1.5.1 20146959 (Base: 20077677)	Latency with larger custom sections in 6.1.x.	The HTML used was reduced to bring down the load time and rendering time improving the performance. The Denormalization icons rendering was changed from using an image tag to a background image in the existing css style. Additionally, the entire column/row section is first rendered as a collapsed section and then automatically expanded, which greatly improves the rendering time. (38658)
6.1.1.5.3 20344170 (Base: 20333754)	Issue loading documents to eQs in Internet Explorer 11.	This issue is resolved by removing the line of code which used to change 'document.domain'. (39160)

**Table 3–1 Hot fixes**

Hot Fix	Issue	Resolution
6.1.1.5.4 20362609 (Base: 20353172)	Generating a formula in a trade specification produces an "Item Already Added" error.	The exception throws because there are multiple Label Composition Sub Items of a same Label Composition with the same item name. We use item name as the key of a Dictionary structure.  The solution is we now use item PKID as the key of a Dictionary structure, and the error no longer occurs. (39211)
6.1.1.5.5 20411725 (Base: 20369962)	Nutrient profile label Weight link was not populating values from menu item build.	This issue occurred by using a obsolete property in the code. Due to this issue, the label weight value is not populated from the Menu Item build.  This issue was resolved, and the system populates the label weight value from the Menu Item build. (39334)
6.1.1.5.9 20446247 (Base: 20373351)	A % batch is normalized to 100% with fixed input percentage setting.	The precision of float value is 7 digits, however the sum of multiple float value is less then 7 digits.  The issue is resolved by converting each float value to a 7 digits double value before summing them. (39422)
6.1.1.5.10 20470383 (Base: 20394293)	Validation error causes undesired behavior in workflow.	This was an API "to" issue. The solution was to set this "to" position to validation workflow context before doing custom validation. (39455)
6.1.1.5.11 20597815 (Base: 20432186)	Users were able to access and edit GSM specifications regardless of BU setup.	Apply scripts and three scripts were re-worked, and expected behavior is restored. (39494)
6.1.1.5.12 20432593 (Base: 20394542)	Calculated attributes are firing in read mode on formulation specifications.	The application always recalculates extended attributes before rendering the Ext Data tab. The issue is resolved by only recalculating the EA if the page is in edit mode or if the below configuration is false.  <add key="GSM.FormulationSpec.OutputCalculations InReadModeDisabled" value="true" configDescription="Don't recalculate the output when in read mode"/> (39388)
6.1.1.5.13 20524836 (Base: 20492211)	Removing the Regulatory tag in <b>Create GSM from EQ</b> causes an incorrect workflow to be assigned.	The solution centers on not getting a workflow process if the current workflow template is a transient workflow template. (39532)
6.1.1.5.15 20593875 (Base: 20579040)	Complies with data is not carried over from eQ when using data groups.	The issue is resolved by also displaying compliance data when compliance from the supplier is not empty. Complies With data from the supplier is now displayed on the Compliance tab of the returned eQ. (39593)

**Table 3–1 Hot fixes**

<b>Hot Fix</b>	<b>Issue</b>	<b>Resolution</b>
6.1.1.5.17 20609681 (Base: 20601461)	Simple extended attributes of formulation specifications do not have output specification values.	An incorrect flag was removed from Formulation Template Creation, and the process has been improved for text-based extended attribute templates. Specification attributes are now accurate. (39604)
6.1.1.5.18 20631018 (Base: 20615934)	Formulation tags in product specifications incorrectly appear in Chinese language.	Tags are now stored for each language and formulation tags appearing in the language chosen in Profile and Preferences.(39632)
6.1.1.5.20 20730221 (Base: 19912914)	Extended attribute 'Complies With' category shows no elements when using Oracle database.	The relationship between category and lookups was broken, and was fixed by running a script to rebuild the relationship in Oracle database.The Complies With values now show in a dialog box as expected. (39827)
6.1.1.5.21 20757052	Custom sections removed from the formulation output popup are still found on the output.	Custom sections removed from the formulation output popup are also removed from the output material specification. (39865)



---

## Deprecated Features

This chapter contains features that have been deprecated in Release 6.2 of Oracle Agile Product Lifecycle Management for Process.

### Deprecated Features

The following features have been deprecated in the Oracle Agile Product Lifecycle Management for Process 6.2 release. All functionality and configurations associated with these features has been removed unless otherwise noted.

1. NPD Stage and Strategic Brief Questions. NPD stage questions and strategic brief questions are now turned off by default (Internal Tracking # 16837507, DR 32646). The related configuration is:  

```
<add key="NPD.Stage.QuestionDocument.Enabled" value="false"/>
```
2. Printed packaging specifications
3. Core Where Used Tool
4. Analytical Properties
5. Legacy NPD activity types
6. Obsolete UGM roles

### Features Deprecated in Past Releases

1. DR 17384 – The following legacy features have been removed.
  - Product Fact Sheets. Legacy Product Facts sheets are still printable
  - Nutrient Panel, Rounded and Final Values column from Nutrient Panel grid
  - Rounding Rules (also DR 19598)
  - WFA, Section Level Editing, Type Column from WFA permissions grid
  - For material (ingredient)/product specifications, Delivered Net Weight and Delivered Net Weight UOM
2. Reference Item Collections are now deprecated and no longer supported.
3. DR 17005, 21655—The legacy configuration entry  
GSM.NutrientProfile.IngredientStatement.CombinedStatement.Enabled = True was removed from the base feature configuration file. The configuration is no longer used.
4. DR 22157—Configuration entry GSM.ComplianceContained.SectionTitle.Enabled is no longer used.

5. DR 20403—The Markings tab has been deprecated for printed packaging specifications.

## Features to be Deprecated in a Later Release

The following features will be deprecated in a later release.

1. The out of the box LDAP authentication strategy will be deprecated in a future release. Therefore, it is being included as a reference implementation in the Extensibility Pack. Clients wishing to implement their own authentication strategy may do so using a custom implementation. Please see the *Agile Product Lifecycle Management for Process Extensibility Guide* for more details.
2. The following configuration lines were added in Release 6.1 and by default calculations will only run in edit mode. The ability to run formulation calculations in read mode will be deprecated in a future release.

Config lines added:

```
<add key="GSM.FormulationSpec.OutputCalculationsInReadModeDisabled"
value="true"
configDescription="Don't recalculate the output when in read mode"/>
<add key="GSM.BomCalc.FilterBomCalcEventsInReadModeEnabled" value="true"
configDescription="ignore bom calc events when in not in edit mode on the
spec."/>
```