

## **Agile Product Lifecycle Management for Process**

Content Synchronization and Syndication User Guide

Release 5.2.1

**Part No. E13891-01**

September 2008

## Copyrights and Trademarks

Copyright © 1995, 2008, Oracle Corporation and/or its affiliates. All rights reserved.

The Programs (which include both the software and documentation) contain proprietary information; they are provided under a license agreement containing restrictions on use and disclosure and are also protected by copyright, patent, and other intellectual and industrial property laws. Reverse engineering, disassembly, or decompilation of the Programs, except to the extent required to obtain interoperability with other independently created software or as specified by law, is prohibited.

The information contained in this document is subject to change without notice. If you find any problems in the documentation, please report them to us in writing. This document is not warranted to be error-free. Except as may be expressly permitted in your license agreement for these Programs, no part of these Programs may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose.

If the Programs are delivered to the United States Government or anyone licensing or using the Programs on behalf of the United States Government, the following notice is applicable:

### U.S. GOVERNMENT RIGHTS

Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the Programs, including documentation and technical data, shall be subject to the licensing restrictions set forth in the applicable Oracle license agreement, and, to the extent applicable, the additional rights set forth in FAR 52.227-19, Commercial Computer Software--Restricted Rights (June 1987). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

The Programs are not intended for use in any nuclear, aviation, mass transit, medical, or other inherently dangerous applications. It shall be the licensee's responsibility to take all appropriate fail-safe, backup, redundancy and other measures to ensure the safe use of such applications if the Programs are used for such purposes, and we disclaim liability for any damages caused by such use of the Programs.

The Programs may provide links to Web sites and access to content, products, and services from third parties. Oracle is not responsible for the availability of, or any content provided on, third-party Web sites. You bear all risks associated with the use of such content. If you choose to purchase any products or services from a third party, the relationship is directly between you and the third party. Oracle is not responsible for: (a) the quality of third-party products or services; or (b) fulfilling any of the terms of the agreement with the third party, including delivery of products or services and warranty obligations related to purchased products or services. Oracle is not responsible for any loss or damage of any sort that you may incur from dealing with any third party.

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

Java and Solaris are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. or other countries.

Microsoft, Windows, Excel, and Microsoft Internet Explorer are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

**September 2008**

# DOCUMENT CONTROL

---

## Change Record

Date	Author	Revision	Change Reference
Sept-07	Agile/Oracle	1.0	Initial release, Part No. TPPR-0055-5.1A
Feb-08	Oracle	2.0	Second release, Part No. E10999-01
Sept-08	Oracle	3.0	Third release, Part No. E13891-01



# CONTENTS

## About This Manual

Agile Product Lifecycle Management for Process Documentation .....	vii
Audience .....	vii
Variability of Installations .....	vii
Where to Find Information .....	viii
Readme .....	viii
Agile Training .....	viii
Document Conventions .....	ix

## Chapter 1 Introduction

The Content Synchronization and Syndication Application .....	1-1
Touch Points with Other Applications .....	1-1
Global Specification Management .....	1-2

## Chapter 2 Using Content Synchronization and Syndication

What are Publications (TIPs)? .....	2-1
Internal Publications .....	2-1
External Publications .....	2-2
Workflow .....	2-2
Extended Attributes .....	2-2
Validations .....	2-2
Message Generators .....	2-2
Message Transporters .....	2-2
Message Reconcilers .....	2-2
Action Items .....	2-3
Creating New Publications in GSM .....	2-4
Trade Item Page .....	2-6
Summary Tab .....	2-6
Summary Information Section .....	2-7
Extended Attributes Section .....	2-7
Adding Extended Attributes .....	2-7
Attribute Overrides Section .....	2-10
Catalog Responses Section .....	2-11
Signatures/Approval Tab .....	2-11
Validation .....	2-13
Validating a Publication .....	2-13
Workflow .....	2-14
Mass Workflow Tab .....	2-14
Mass Publications .....	2-16
Mass Tip Creation .....	2-17
Summary Information Section .....	2-17
Specification(s) Section .....	2-18



# ABOUT THIS MANUAL

## Agile Product Lifecycle Management for Process Documentation

The Agile Product Lifecycle Management (PLM) for Process documentation set includes user guides, an administrator's guide, and release notes, all in Adobe® Acrobat™ PDF format. The Oracle Documentation Web site contains the latest versions of the Agile PLM for Process PDF files. You can view or download these manuals from the Web site, or you can ask your administrator if there is an Agile PLM for Process Documentation folder available on your network from which you can access the documentation (PDF) files. Visit the Oracle documentation Web site at:

<http://www.oracle.com/technology/documentation/index.html>

---

**Note** The minimum software requirement for reading the PDF files is Adobe Reader™ version 6.0. You can download this free program from [www.adobe.com](http://www.adobe.com).

---

If you need additional assistance or information, please contact [support@agile.com](mailto:support@agile.com) or phone (408) 284-3900 for assistance.

Before calling Agile Support about a problem with an Agile PLM for Process manual, please have ready the full part number, which is located on the cover.
---

## Audience

This user 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*.

## Variability of Installations

Descriptions and illustrations of the Agile PLM for Process user interface included in this manual may not match your installation. The user interface of Agile PLM for Process applications and the features included can vary greatly depending on such variables as:

- ❑ Which applications your organization has purchased and installed
- ❑ Configuration settings that may turn features off or on
- ❑ Customization specific to your organization
- ❑ Security settings as they apply to the system and your user account

## Where to Find Information

Consult the table below to find specific information from the relevant Agile PLM for Process information source.

Table 1: Agile PLM for Process documentation topics, by source

Information type	CSS User Guide	Admin. User Guide	Readme file	Agile training	Agile Help Desk	Agile sales rep
<b>Administering Agile PLM for Process</b>		●		●		
<b>Cache management</b>		●				
<b>Content synchronization and syndication</b>	●					
<b>Core data management</b>		●				
<b>Creating specifications</b>				●		
<b>Custom data management</b>		●				
<b>Extended attributes</b>	●	●		●		
<b>Feature requests</b>					●	●
<b>Group management</b>		●				
<b>Installing Agile PLM for Process</b>				●		●
<b>Known issues</b>			●			
<b>Last-minute changes</b>			●			
<b>Managing specifications</b>				●		
<b>Printing</b>				●		
<b>Resolved issues</b>			●			
<b>Publications</b>	●					
<b>System-based roles</b>		●				
<b>System requirements</b>			●			
<b>Technical support</b>					●	
<b>Trade item publications</b>	●					
<b>Using the CSS application</b>	●			●		

## Readme

Any last-minute information about Agile PLM for Process can be found in the Readme file on the Oracle documentation Web site (<http://www.oracle.com/technology/documentation/index.html>).


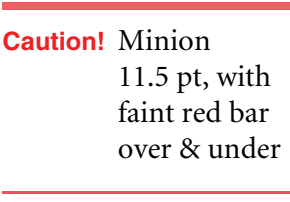

## Agile Training

Agile offers end user, administrator, developer, and implementation training courses. For more information, contact your Agile project manager or sales representative.



## Document Conventions

The following formatting elements appear in Agile PLM for Process documentation.

Element	Meaning
<b>Helvetica Condensed, 9 pt. bold type</b>	A user interface (UI) element that a procedure is instructing you to click, select, or type into. For example, buttons or text entry fields.
9 pt. monospace font	Code samples
10 pt. monospace font	File names or directory names
<i>Blue italic font</i>	The linked portion of a cross-reference. Click it to go to the referenced heading, table, or figure.
Minion Typeface, Title Case	A named UI element that a procedure is describing but not instructing you to click, select, or type into.
 <b>Note</b> Minion 11.5 pt, with faint blue bar over & under	Alerts you to supplemental information.
 <b>Caution!</b> Minion 11.5 pt, with faint red bar over & under	Alerts you to possible data loss, breaches of security, or other more serious problems.
 <b>Important</b> Minion 11.5 pt, with thick red bar over & under	Alerts you to supplementary information that is essential to the completion of a task.



# CHAPTER 1

## Introduction

---

*This chapter presents an overview of Content Synchronization and Syndication and describes a few basic features. Topics in this chapter include:*

- *The Content Synchronization and Syndication Application*
  - *Touch Points with Other Applications*
- 

### **The Content Synchronization and Syndication Application**

Content Synchronization and Syndication (CSS) publishes, or syndicates, a subset of Global Specification Management (GSM) specification data to external or downstream systems from Agile PLM for Process. CSS typically syndicates this data using an XML-based format. CSS supports several distribution methods. It allows syndication of a subset of GSM specification data to distributed enterprise systems, trading partners, and industry exchanges, such as 1Sync. CSS helps distribute core GSM specification data to enable downstream business processes.

CSS syndicates GSM specification data to downstream systems based on specific configurable publication targets.

CSS is integrated into the process of developing publishable specifications within GSM. As specifications are developed, they can be syndicated to configured publication target systems. These publications, or target destinations, can be internal or external systems. Additionally, CSS syndication message requests, or publications, can be tied to a workflow. These publication workflows can be integrated with GSM specification workflows. This allows a publication to move to a different state in the workflow automatically when the specification the publication is tied to reaches a customer-defined state in the specification workflow.

For general information on using Agile PLM for Process software, see the *Agile Product Lifecycle Management for Process Getting Started Guide*.

### **Touch Points with Other Applications**

Use Content Synchronization and Syndication (CSS) in conjunction with the Global Specification Management (GSM) application to syndicate specification data.

## Global Specification Management

You can create and manage CSS publications on the following Global Specification Management (GSM) specifications:

- Trade specifications
- Process specifications
- Ingredient specifications
- Packaging material specifications
- Printed packaging specifications

See [Creating New Publications in GSM](#) on page 2-4, or for more information, refer to the *Agile Product Lifecycle Management for Process Global Specification Management User Guide*.

# Using Content Synchronization and Syndication

---

*This chapter describes the capabilities and applied uses of the Content Synchronization and Syndication product. It includes the following topics:*

- ❑ *What are Publications (TIPs)?*
  - ❑ *Creating New Publications in GSM*
  - ❑ *Trade Item Page*
  - ❑ *Validation*
  - ❑ *Workflow*
- 

## What are Publications (TIPs)?

Publications are preconfigured objects that define the final destination of the data being syndicated. These publications are referred to as TIPs, or Trans-active Item Publications.

Use publications to send specification data to internal and external systems using a standard output structure. You can configure publications to tailor the transport mechanism, message, and TIP workflow to fit your individual needs.

### Internal Publications

Internal publications refer to systems that reside at the same company, such as an ERP or other back-end system. You can create internal publications for supported specification types. You can configure publications for trade and process specifications so that select pieces of the trade and process hierarchies are syndicated. You can choose which components of the hierarchy you wish to publish and create the publications all at once, and you can select what specifications to publish down to the top level process specification. If a top level process specification is selected, the entire hierarchy below will be syndicated automatically.

## External Publications

External publications refer to systems outside of the company. An example of an external syndication is 1Sync, or any other Global Data Synchronization Network (GDSN) compliant data pool. External syndications only create a publication on the specification you specifically request. It is a configuration option to automatically create publications on child specifications based on workflow rules if you determine that is a requirement.

The following sections define many of the configurations that are available to tailor publications to your specific needs.

## Workflow

Publication workflows are built to assist in the management of publications. Publication workflows give you the ability to configure actions like email notifications, permissions, transitions, and statuses for publications.

Publication workflows are associated with GSM workflows to create a more automated syndication environment. This feature enables a publication to transition in the workflow automatically when the specification it is tied to reaches a particular workflow state.

## Extended Attributes

Extended attributes can be added to publications.

## Validations

You can define different validation rules to run against a publication using validators. Validators are software components that are “plugged in” through a configuration file. This feature enables you to perform validation on a publication before sending the data to a target system.

## Message Generators

You can configure publications to use different message formats for each publication. This feature enables different message structures to be provided based on where the data is destined.

## Message Transporters

You can define different transport options for configured publication paths. This feature enables messages to be delivered based on the transport requirements of the target system.

## Message Reconcilers

You can define different reconciler options for each publication path. This feature enables different message conversations to be handled and reconciled accordingly.

## Action Items

To access the Action Items page, click **CSS > Action Items** from the left navigation panel. The Action Items page displays a list of all publications that identify you as the current owner. You can open a publication by clicking the linked title in the first column. To re-sort the contents of the page, click on the linked column title you wish to sort by and the contents of the Action Items page will be re-sorted.

Figure 2-1: Action Items, CSS

Action Items					
Action Items		Mass Workflow			
Trade Item Publications			These column titles are commonly used CSS fields.		
Title	Trade/Spec Type	GTIN/UPC/EAN	Trading Partner	Status	Last Updated
<a href="#">apples in a bag2</a>	Ingredient Specifications		Prodika Syndication Webservice	Syndication	6/7/2007 11:37:21 AM
<a href="#">BBQ Beef and Vegetable Dinner - 11 oz for Syndication</a>	Consumer Unit	12345678909879	All Retailers	Catalog Admin Review	10/2/2007 9:26:54 AM

For information on the Mass Workflow tab, refer to *Mass Workflow Tab* on page 2-15.

## Creating New Publications in GSM

Single publications for supported specifications are not created from the CSS application. Publications (TIPs) are actually created on the CSS tab of specifications in GSM. Once created, these publications can be managed on the CSS tab of the specification or they can be managed inside the CSS application. Publications are validated in GSM. Refer to [Validation](#) on page 2-13 for more details. For more information on GSM, see the *Agile Product Lifecycle Management for Process Global Specification Management User Guide*.

### To create a new publication:

- 1 Click the **CSS** tab on the specification to be syndicated, as shown in figure 2-2 below.

Figure 2-2: CSS tab

Trading Partner	Publication Type	Target Market	Initial Publication	Last Updated	Info Provider	Manufacturer	Current Status
US » PDK » Prodika Syndication WebService - PDK_WS	Initial Load	US	-----	10/16/2007	CPI	CPI	Draft GS1:

- 2 Click **Add New**. The publications requirements dialog box displays, as figure 2-3 shows below:

Figure 2-3: Publications requirements



3 Specify the following required data:

- **Manufacturer**—Defines the source of the data being syndicated. For Global Data Synchronization Network (GDSN) compliant target systems, this is the Global Locator Number (GLN) of the information provider.
- **Publication Type**—Used for GDSN compliant target systems. Typically this is used to tell retailers if it is the first time they have received this product information or if they already have it and should update their information.
- **Publication Path**—Defines the destination for the syndicated data. Publications are organized by target market. Target market is a GDSN term used to indicate the country where the trade item is available for sale. For example, the US and Canada are two different target markets.

**Note** This information resides on the Summary tab of the saved publication. See figure 2-5, *Summary tab*, on page 2-6 for more information.

4 Click **Done**. This creates the publication.

5 Click **Save**. The publication will now be included in the publication table on the CSS tab of GSM, as figure 2-4 shows below. The default starting status for publications depends on the configuration of the publication workflow. For more information on publication workflows, see *Workflow* on page 2-14.

Figure 2-4: Initial publications

The screenshot shows a web application interface for managing publications. At the top, there are buttons: Edit Document, Create New Copy, CACS, Print, Act, Resolve Workflow, Item History, and Workflow. Below these is a title: (trd) 5077539-001 - BBQ Beef and Vegetable Dinner - 11 oz (Packaging Engineering Review). A row of tabs includes Summary, Packaging, Compliance, Related Specs, CSS (selected), Supporting Documents, References, and Approval/Audit Trail. The 'Initial Publication' section contains a table with the following data:

	Trading Partner	Publication Type	Target Market	Initial Publication	Last Updated	Info Provider	Manufacturer	Current Status	
	US » PDK » Prodika Syndication WebService - PDK_WS	Initial Load	US	-----	11/19/2007	CPI	CPI	Draft G51:	
	US » UCC » SuperValu (Anniston, AL) - 0041130051623	Initial Load	US	-----	11/19/2007	CPI	CPI	Draft G51:	

At the bottom of the table are two buttons: Add New and Validate For Publication.

To work with the newly created publication, click the publication link in the Trading Partner column. Clicking the link opens a dialog box in the CSS application.

**Note** You cannot view publications with a current status of “Draft”. Statuses are controlled and updated automatically by the publication workflow.

## Trade Item Page

### Summary Tab

Once the initial publication is created, it expands into the Trade Item page in CSS, shown in figure 2-5 below. You can also access this page by clicking a hyperlinked title in the CSS Action Items list.

Figure 2-5: Summary tab

Trade Item - 5082441-001 - BBQ Beef and Vegetabl...

[Edit](#) [Workflow](#)

[Summary](#) [Signatures / Approval](#)

---

**Summary Information**

**Trade Item:** [5082441-001 - BBQ Beef and Vegetable Dinner - 11 oz - 12x Case for Syndication](#)

**Status:** Catalog Admin Review

**GSI Status:**

**Target Market:** GB

**Trading Partner:** GB » UDEX » All Retailers - 5060011570003

**Information Provider:** CPI Company Ltd

**Manufacturer:** CPI

**Item Type:** Traded Unit

**Last Updated:** 9/14/2007

---

**Extended Attributes**

Extended Attributes	Notes

---

**Attribute Overrides**

Extended Attributes	Attribute Overrides

---

**Catalog Responses**

Type	Created	Status	Result Message

The Summary tab includes the following sections:

- Summary Information
- Extended Attributes
- Attribute Overrides
- Catalog Responses

## Summary Information Section

The Summary Information section of a publication displays the key information that was entered initially as well as the following information:

- **Status**—The status of the publication based on the CSS workflow it is tied to.
- **GS1 Status**—Used for publications destined for 1Sync and is the status of the addition of this specification to the global registry.
- **Item Type**—If applicable, this is pulled from the item type field on the trade specification.
- **Last Updated**—Last date the publication was updated.

## Extended Attributes Section

Use extended attributes on publications to capture publication specific data and enhance the data being sent to a particular destination. Figure 2-6 shows the Extended Attributes section.

Figure 2-6: CSS Extended Attributes section in edit mode

Extended Attributes		Notes
Extended Attributes		
Countries Sold To		
First Order Date		

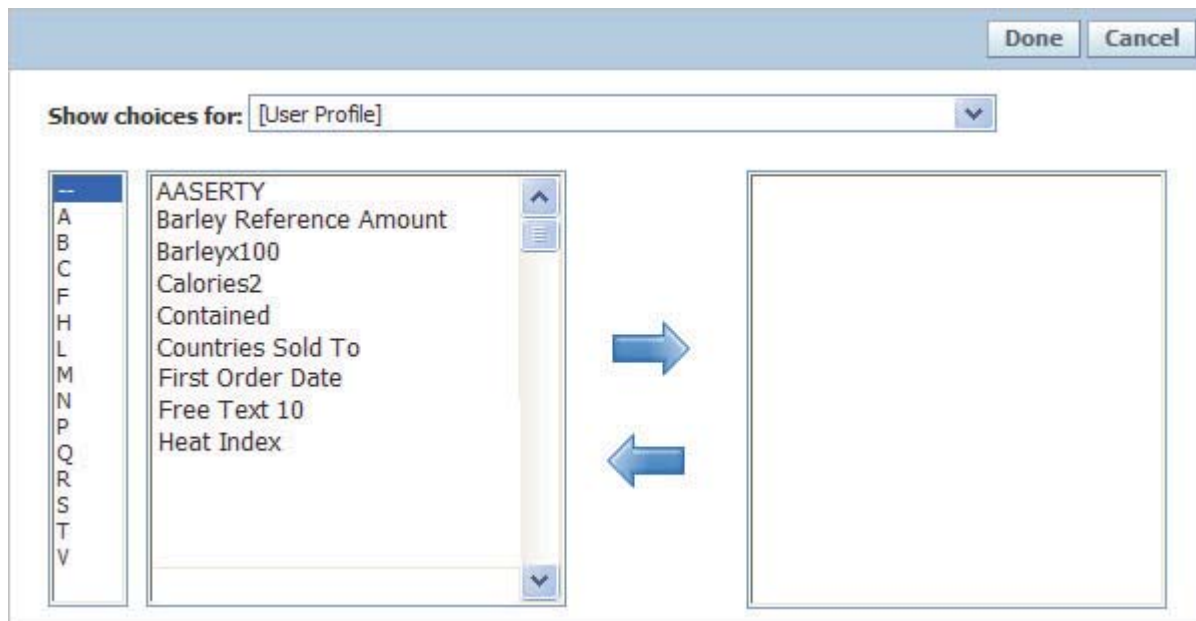
**Add New**

**Note** The publication must be in edit mode to add extended attributes. To put the publication in edit mode, click **Edit**.

### *Adding Extended Attributes*

Click **Add New** in the Extended Attributes section. A dialog box opens, as shown in figure 2-7 on the next page.

Figure 2-7: Extended attributes dialog box



Select the attribute to add and then click the add selected data icon ( ➡ ). Select more than one attribute by holding down the **Shift** or the **Control** key on your keyboard and clicking the mouse on the attributes to include. Remove attributes from the list by clicking on the attribute name in the right column and clicking the remove selected data icon ( ⬅ ).

Once you have selected all the attributes to add, click **Done** to return to the publication page. The selected attributes are added to the list, as figure 2-8 shows below. You can now define the values for the extended attributes.

Figure 2-8: Extended Attributes list

Extended Attributes			
 Extended Attributes		Notes	
 Countries Sold To			
 First Order Date			
			

There are two ways to add values to the extended attributes. You can edit each row individually or edit the entire extended attributes grid.





- To edit an individual row, select the edit icon (  ) on the left side of the row you want to edit. Add the desired value and any notes. Click the apply changes icon (  ) to confirm your change.
- To edit the entire grid, click the edit icon (  ) in the top left corner of the grid and all extended attribute values will be available for editing. Once you have entered the desired values and notes, click the apply changes icon (  ) to confirm your changes. Figure 2-9 shows the edit grid option.

Figure 2-9: Extended Attributes grid in edit mode

**Extended Attributes**

Extended Attributes		Notes
Countries Sold To	<input type="text"/>	
First Order Date	<input type="text"/>	

All fields are in edit mode when the table is placed in edit mode

After you have entered the desired extended attribute information, click **Save** to save your data on the publication.

Figure 2-10: CSS Summary page

Save Save & Close Cancel Workflow

**Trade Item - 5082441-001 - BBQ Beef and Vegetabl...**

Summary Signatures / Approval

**Summary Information**

**Trade Item:** 5082441-001 - BBQ Beef and Vegetable Dinner - 11 oz - 12x Case for Syndication  
**Status:** Catalog Admin Review  
**GS1 Status:**  
**Target Market:** GB  
**Trading Partner:** GB » UDEX » All Retailers - 5060011570003  
**Information Provider:** CPI Company Ltd  
**Manufacturer:** CPI  
**Item Type:** Traded Unit  
**Last Updated:** 11/19/2007

**Extended Attributes**

Extended Attributes		Notes
Countries Sold To	Canada, USA	Our Northern Market
First Order Date	Wednesday, November 28, 2007	

Add New

**Attribute Overrides**

Extended Attributes	Attribute Overrides

Add New



**Catalog Responses**

Type	Created	Status	Result Message
------	---------	--------	----------------

## Attribute Overrides Section

Use the Attribute Overrides section to override related specification data with extended attribute data that exists on the publication.

Figure 2-11: Attribute Overrides section

Attribute Overrides		
 Extended Attributes	Attribute Overrides	
 First Order Date	Available Date	
<a href="#">Add New</a>		

The attributes that may be overridden are configurable by data type. The following are the trade specification attribute overrides that are preconfigured within the system:

- Available Date—Date
- Case Gross Weight—Numeric
- Net Weight—Numeric
- Case Height—Numeric
- Case Length—Numeric
- Case Width—Numeric
- Case Volume—Numeric
- Each Height—Numeric
- Each Length—Numeric
- Each Width—Numeric
- Each Volume—Numeric
- Product Name—Free Text
- Layers per pallet—Numeric
- Cases per layer—Numeric
- Pallet Gross Weight—Numeric
- Pallet Net Weight—Numeric
- Pallet Height—Numeric
- Pallet Length—Numeric
- Pallet Width—Numeric
- Pallet Volume—Numeric

## Catalog Responses Section

The Catalog Responses section gives details about what type of messages were created and their individual status, as shown in figure 2-12 below. It is possible to have multiple statuses inside of a given publication status.

For instance, when CSS sends trade specification data to 1Sync, a single publication will typically have three unique messages generated. It will generate an Add, Modify, and Publish message. Within the message conversation with 1Sync, independent information on each of those messages is returned. The Catalog Responses section displays this information.

Figure 2-12: Catalog Responses section

Catalog Responses			
Type	Created	Status	Result Message
Add	6/7/2007 3:34 PM	Failed	(FAILED) Message received at SoapScope and responded

The Catalog Responses section includes the following columns:

- **Type**—The type of transaction within the publication corresponding to a unique message generator.
- **Created**—The date and time the message was generated.
- **Status**—The status of the unique message.
- **Result Message**—The message sent back from the target system if applicable. If a publication fails, the result message supplies supporting information on why it failed.

## Signatures/Approval Tab

The Signatures/Approval tab shows the information that relates to the CSS workflow tied to this publication, as figure 2-13 shows on the next page. This information is generated by the system and cannot be changed.

Figure 2-13: Signatures/Approval tab

**Trade Item - 5082441-001 - BBQ Beef and Vegetabl...**

**Summary** **Signatures / Approval**

---

**Current Status**

---

**Current Owner:** CSS-Europe  
**Current Status:** Catalog Admin Review  
**Desired Action:** Trade Item Publication Approval

**Start Date:** 8/30/2007  
**Amber Date:** -----  
**Red Date:** -----

**Event History**

---

Event	User	Time	Comments
Created	Sarah Adams	8/30/2007 4:00 PM	
Transitioned to 'Catalog Admin Review'	Sarah Adams	8/30/2007 4:00 PM	System



## Validation

Once a publication has been created on a specification, you can run pre-configured validations against it. Doing so will tell you if there are any problems with the data before sending it to the destination defined on the publication.

### Validating a Publication

To validate a publication, click **Validate For Publication** on the CSS tab of the specification in GSM. When you validate a publication, the validation rules defined for that publication will be investigated against the related specification data. If there is more than one publication on a specification, the validation rules configured for the publications will be run and the error messages that exists will display at the top of the CSS tab, as figure 2-14 shows below. You can tell which specification is causing the error condition because the error messages contain the specification number.

Figure 2-14: Validate for Publication and sample error message

The screenshot shows the GSM interface for a specification titled "(trd) 5084511-001 - BBQ Beef and Vegetables (CSS Syndication)". The "CSS" tab is selected. An error message is displayed at the top of the CSS tab:

**Error**  
 5084511-001: Invalid GTIN  
 5084511-001: No Start Availability Date specified

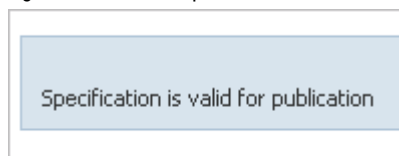
Below the error message, the "Initial Publication" table is visible:

Trading Partner	Publication Type	Target Market	Initial Publication	Last Updated	Info Provider	Manufacturer	Current Status
US » UCC » Global FS - 0041163000001	Initial Load	US	-----	8/30/2007	CPI	CPI	Draft GS1:
US » PDK » Prodika Syndication WebService - PDK_WS	New	US	8/9/2007	9/18/2007	CPI	CPI	Syndication GS1:
US » UCC » Global FS (Billings, MT) - 0041130079238	Initial Load	US	-----	8/30/2007	CPI	CPI	Draft GS1:

At the bottom of the table, there are two buttons: "Add New" and "Validate For Publication".

Once all of the errors are resolved and the validation routine passes, a message that states that the publication is valid for publication is displayed, as figure 2-15 shows below.

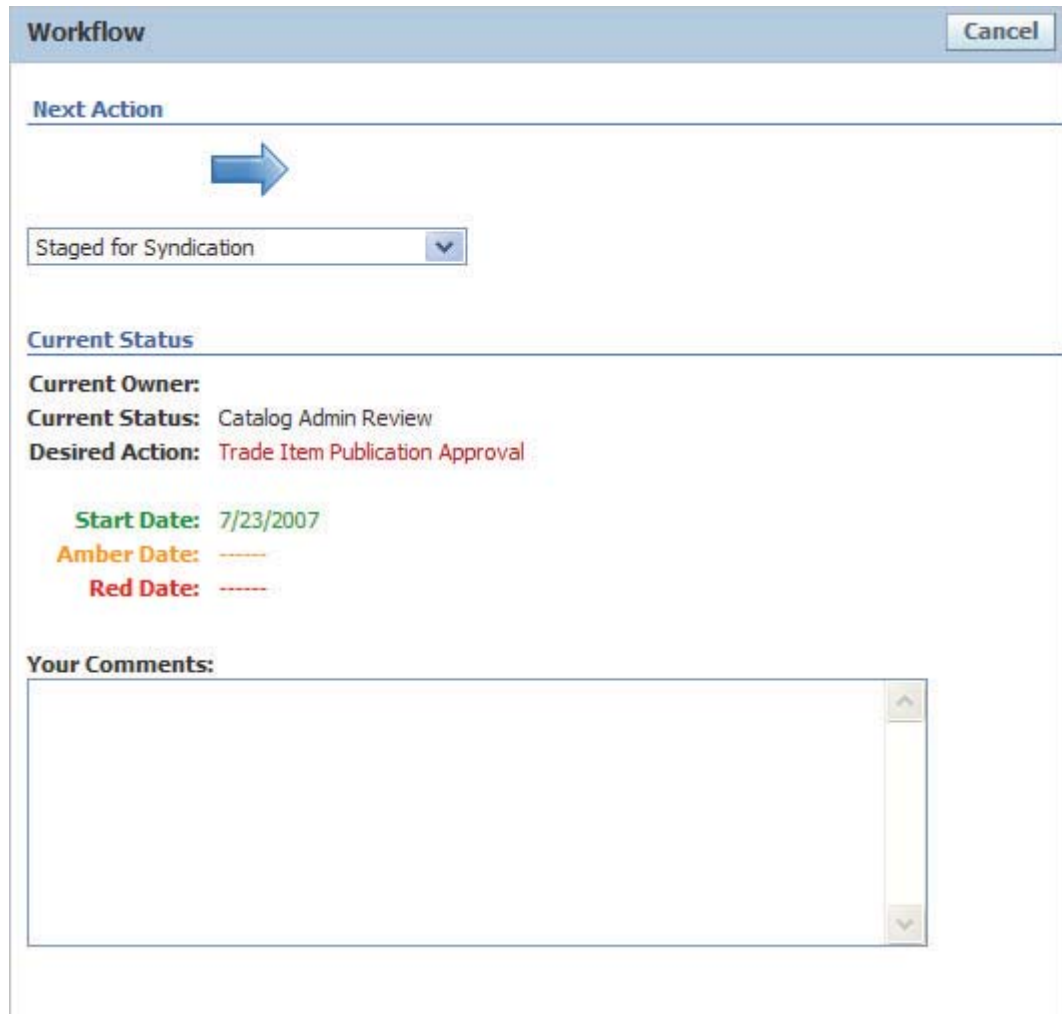
Figure 2-15: Valid Specification



## Workflow

Once a publication is validated, you can advance it to a publishable state and send it to the recipient defined in the publication. To workflow an individual publication, click the Trading Partner link on the CSS tab of the GSM specification. This action opens the publication in a CSS dialog box. To advance the publication, click **Workflow**. A workflow dialog box displays, as shown in figure 2-16 below.

Figure 2-16: Workflow dialog box

The screenshot shows a 'Workflow' dialog box with a 'Cancel' button in the top right. The dialog is divided into several sections. The 'Next Action' section features a large blue right-pointing arrow icon and a dropdown menu currently set to 'Staged for Syndication'. The 'Current Status' section contains the following information: 'Current Owner:' (blank), 'Current Status: Catalog Admin Review', and 'Desired Action: Trade Item Publication Approval'. Below this, it shows 'Start Date: 7/23/2007', 'Amber Date: -----', and 'Red Date: -----'. The 'Your Comments:' section at the bottom is a large text area with a vertical scrollbar on the right side.

Select the appropriate workflow status from the drop-down list and then click the move step forward icon ( ➡ ) to push the publication forward in the workflow. If an appropriate reverse transition has been defined and you want to move the publication backwards in the workflow, select the appropriate workflow status from the drop-down list and then click the move step back icon ( ⬅ ).

## Mass Workflow Tab

The Mass Workflow tab in CSS enables you to move multiple publications from one status in the workflow to another.

When you first access the Mass Workflow tab, there are compressed lists of publications that are grouped by status, as shown in figure 2-17 below.

Figure 2-17: Mass Workflow tab

**Action Items**

Action Items

Mass Workflow

**Catalog Admin Review**

Select	Title	Trade/Spec Type	GTIN	Trading Partner	Last Updated
<input type="checkbox"/>	<a href="#">BBQ Beef and Vegetable Dinner - 11 oz for Syndication</a>	Consumer Unit	12345678909879	All Retailers	10/2/2007 9:26:54 AM
<input type="checkbox"/>	<a href="#">BBQ Beef and Vegetable Dinner - 11 oz - 12x Case for Syndication</a>	Traded Unit	12312312312319	All Retailers	10/24/2007 11:57:07 AM

Hide

Action Selected Items

**Failed**

Show

Action Selected Items

**Catalog Admin Review**

Show

Action Selected Items

**Staged for Syndication**

Show

Action Selected Items

**Cancelled**

Show

Action Selected Items

**Syndication**

Show

Action Selected Items

**Staged for Syndication**

Show

Action Selected Items

Every unique status in the workflow that has a publication identifying you as the owner will show on this page. Initially, all of the publications within the groups are hidden. Open the list of publications that are in a particular status by clicking **Show**. This expands all of the publications you own in that status. Click **Hide** to compress the list.

Next, select the individual publications you want to move from one status to the next. To do this, select the check box next to the publication you want to move. Once you have selected all of the publications within the status you want to move, click **Action Selected Items**. A workflow dialog box displays, as figure 2-18 shows below.

Figure 2-18: Workflow next action

The image shows a 'Workflow' dialog box with a 'Cancel' button in the top right corner. The dialog is divided into several sections:

- Next Action:** This section contains a large blue arrow icon pointing to the right. Below the arrow is a drop-down menu currently set to 'Staged for Syndication'.
- Current Status:** This section displays the following information:
  - Current Owner:** (blank)
  - Current Status:** Catalog Admin Review
  - Desired Action:** Trade Item Publication Approval
  - Start Date:** 12/31/9999
  - Amber Date:** -----
  - Red Date:** -----
- Your Comments:** This section contains a large text area for entering comments, with a vertical scrollbar on the right side.

Select the appropriate workflow status from the drop-down list, enter comments associated with this workflow transition and then click the move step forward icon (➡) to initiate the workflow process. Once you have initiated the workflow, the Mass Workflow page automatically updates.

## Mass Publications

Mass publications give you the ability to syndicate multiple trade specifications to a single publication. Mass publications are created in CSS.

## Mass Tip Creation

To create a mass publication, click **New** on the search page, as figure 2-19 shows below. This feature is only available for trade specifications.

Figure 2-19: Trade Item Publications

The screenshot shows a web interface for 'Trade Item Publications'. At the top right is a 'New' button. Below the title is a 'Search Criteria' section with three dropdown menus (the first shows '--'), a text input field, and a 'more criteria...' link. Below these are 'Search', 'Reset', 'Save Search', and 'Load Search' buttons. A 'Search Results' section at the bottom has a 'Results Per Page' dropdown set to '10'.

Mass publications are composed of two sections shown in figure 2-20 below: Summary Information and Specification(s).

Figure 2-20: Mass TIP Creation

The screenshot shows the 'Mass TIP Creation' form. It has two main sections: 'Summary Information' and 'Specification(s)'. The 'Summary Information' section contains three fields: 'Trading Partner:', 'Publication Type:', and 'Manufacturer:'. The 'Specification(s)' section contains a table with columns: 'Select', 'Spec #', 'Specification Name', 'Trade/Spec Type', and 'Status'. Below the table are 'Add New' and 'Publish' buttons.

Select	Spec #	Specification Name	Trade/Spec Type	Status
<div> Add New Publish </div>				

### Summary Information Section

Use the Summary Information section to add information that will help define the publication for the group of specifications being syndicated:

- **Trading Partner**—Defines the destination for the data being syndicated. As discussed on page 2-1, these can be internal or external. Publications are organized by target markets. Target market is a GDSN term used to define areas of the world.

- **Publication Type**—Publication type is typically used for GDSN syndications. It tells retailers if this is the first time they have received this product information or if they already have it and should update their information.
- **Manufacturer**—Defines who the data being syndicated is coming from. For GDSN syndications, this is the information provider's Global Locator Number (GLN).

## Specification(s) Section

Use the Specification(s) section to add the trade specifications to syndicate.

To add trade specifications, click **Add New** and use the search page to select the trade specifications to publish, as shown in figure 2-21 below.

Figure 2-21: Search Criteria

Cancel

Search Criteria

Spec Name

Contains

BBQ

more criteria...

Search

Reset

Save Search

Load Search

Search Results

Results Per Page 10

Spec #	Spec Name	Item Type	Status
<a href="#">5077539-001</a>	BBQ Beef and Vegetable Dinner - 11 oz	Consumer Unit (co-pack)	Spec Group Review
<a href="#">5077539-002</a>	BBQ Beef and Vegetable Dinner - 11 oz	Consumer Unit (not for resale)	Draft
<a href="#">5077539-003</a>	BBQ Beef and Vegetable Dinner - 11 oz	Consumer Unit	Data Admin Review
<a href="#">5077539-004</a>	BBQ Beef and Vegetable Dinner - 11 oz	Consumer Unit	Approved
<a href="#">5077539-005</a>	BBQ Beef and Vegetable Dinner - 11 oz	Consumer Unit (co-pack)	Draft
<a href="#">5077539-006</a>	BBQ Beef and Vegetable Dinner - 11 oz	Traded Unit (co-pack)	Draft
<a href="#">5077539-007</a>	BBQ Beef and Vegetable Dinner - 11 oz	Consumer Unit	Approved
<a href="#">5077539-008</a>	BBQ Beef and Vegetable Dinner - 11 oz	Consumer Unit	Draft
<a href="#">5077539-009</a>	BBQ Beef and Vegetable Dinner - 11 oz	Consumer Unit	Draft
<a href="#">5079849-001</a>	BBQ Beef and Vegetable Dinner - 11 oz	Consumer Unit	R&D Review

1 2 3 4

Selected Items

5077539-009  
5079849-001

Remove

Clear

Done

Once you select all of the specifications to publish, click **Done**. The selected specifications are returned to the specifications section of the mass publication.

Once you find the specifications you are looking for, select the individual specifications to publish. To do this, select the check box next to each specification, as figure 2-22 shows below. If the check box next to the specification is grayed out, that specification has already been published to the target system you selected and is no longer available for publication.

Figure 2-22: Mass TIP Creation Publishing

**Mass TIP Creation**

**Summary Information**

**Trading Partner:**

**Publication Type:**

**Manufacturer:**

**Specification(s)**

Select	Spec #	Specification Name	Trade/Spec Type	Status
<input checked="" type="checkbox"/>	<a href="#">5077539-009</a>	BBQ Beef and Vegetable Dinner - 11 oz	Consumer Unit	Draft
<input checked="" type="checkbox"/>	<a href="#">5079849-001</a>	BBQ Beef and Vegetable Dinner - 11 oz	Consumer Unit	R&D Review

Once you select all of the specifications you want to publish, click **Publish**. The system creates publications to the selected trading partner on all of the specifications selected. You will still need to perform workflows on the publications as usual.

