

Agile Product Lifecycle Management for Process

Content Synchronization and Syndication User Guide

Release 6.0.0.3.0

Part No. E18527-01

September 2010

Copyrights and Trademarks

Agile Product Lifecycle Management for Process, Release 6.0.0.3.0

E18527-01

Copyright © 1995, 2010, 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 software or related documentation 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 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, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

This software 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 which may create a risk of personal injury. If you use this software in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure the safe use of this software. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software in dangerous applications.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

This software 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.

September 2010

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-09	Oracle	3.0	Third release, Part No. E12384-01
Feb-10	Oracle	4.0	Fourth release, Part No. E12384-01
Sept-10	Oracle	5.0	Fifth release, Part No. E18527-01

CONTENTS

About This Manual

Agile Product Lifecycle Management for Process Documentation	vii
TTY Access to Oracle Support Services	vii
Agile Training Aids	vii
Accessibility of Code Examples in Documentation	vii
Accessibility of Links to External Web Sites in Documentation	vii
Audience	viii
Variability of Installations	viii
Where to Find Information	viii
Document Conventions	ix

Chapter 1 Introduction

The Content Synchronization and Syndication Application	1-1
Publication Targets	1-1
Workflows	1-1
CSS Configuration	1-1
Touch Points with Other Applications	1-2
Global Specification Management	1-2
Workflow Administration	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	2-6
Extended Attributes Section	2-7
Adding Extended Attributes	2-7
Attribute Overrides Section	2-9
Catalog Responses Section	2-10
Signatures/Approval Tab	2-11
Validation	2-12
Validating a Publication	2-12
Workflow	2-13
Mass Workflow Tab	2-14
Mass Publications	2-16
Mass Tip Creation	2-16
Summary Information Section	2-17
Specification(s) Section	2-17

ABOUT THIS MANUAL

Agile Product Lifecycle Management for Process Documentation

The Agile Product Lifecycle Management (PLM) for Process documentation set includes Adobe® Acrobat™ PDF files. The Oracle Technology Network (OTN) Web site: <http://www.oracle.com/technology/documentation/agile.html> 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 Agile administrator if there is an Agile PLM for Process Documentation folder available on your network from which you can access the Agile PLM for Process documentation (PDF) files.

Note To read the PDF files, you must use the free Adobe Reader™ version 7.0 or later. This program can be downloaded from the Adobe Web site: <http://www.adobe.com/>.

If you need additional assistance or information, please go to <http://metalink.oracle.com> or phone 1.800.233.1711 for assistance.

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

TTY Access to Oracle Support Services

Oracle provides dedicated Text Telephone (TTY) access to Oracle Support Services within the United States of America 24 hours a day, 7 days a week. For TTY support, call 800.446.2398. Outside the United States, call +1.407.458.2479.

Agile Training Aids

Go to the Oracle University Web page http://www.oracle.com/education/chooser/selectcountry_new.html for more information on Agile Training offerings.

Accessibility of Code Examples in Documentation

Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

Accessibility of Links to External Web Sites in Documentation

This documentation may contain links to Web sites of other companies or organizations that Oracle does not own or control. Oracle neither evaluates nor makes any representations regarding the accessibility of these Web sites.

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*.

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 Product Lifecycle Management for Process information source.

Table 1: Agile Product Lifecycle Management for Process documentation topics, by source

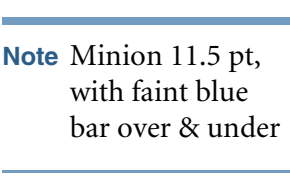
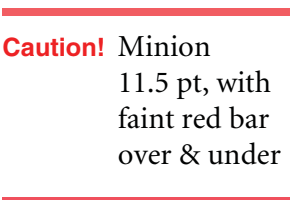
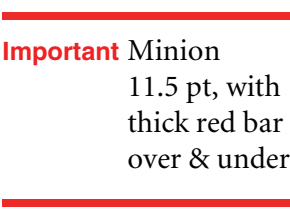
Information type	CSS User Guide	Admin. User Guide	Release Notes	Agile training	Help Desk	Agile sales rep
Administering Agile Product Lifecycle Management for Process		●		●		
Cache management		●				
Content synchronization and syndication	●					
Core data management		●				
Creating specifications				●		
Custom data management		●				
Extended attributes	●	●		●		
Feature requests					●	●
Group management		●				
Installing Agile Product Lifecycle Management for Process				●		●
Known issues			●			
Resolved issues			●			
Publications	●					
System-based roles		●				

Table 1: Agile Product Lifecycle Management for Process documentation topics, by source (continued)

Information type	CSS User Guide	Admin. User Guide	Release Notes	Agile training	Help Desk	Agile sales rep
Technical support					●	
Trade item publications	●					
Using the CSS application	●			●		

Document Conventions

The following formatting elements appear in Agile Product Lifecycle Management for Process documentation.

Element	Meaning
Helvetica Condensed, 9 pt. bold type	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.
 Note Minion 11.5 pt, with faint blue bar over & under	Alerts you to supplemental information.
 Caution! Minion 11.5 pt, with faint red bar over & under	Alerts you to possible data loss, breaches of security, or other more serious problems.
 Important Minion 11.5 pt, with thick red bar over & under	Alerts you to supplementary information that is essential to the completion of a task.

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

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.

Workflows

These publication workflows can be integrated with GSM specification workflows. This integration 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. Refer to the *Agile Product Lifecycle Management for Process Administrator User Guide* for more information on CSS workflows.

CSS Configuration

For information about configuring CSS, see the *Agile Product Lifecycle Management for Process Content Synchronization and Syndication Configuration Guide*.

For general information on using Agile Product Lifecycle Management 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
- Formulation 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*.

Workflow Administration

CSS workflows can be created using the Workflow Administration (WFA) application. Refer to the *Agile Product Lifecycle Management for Process Administrator User Guide* for more information.

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 formulation specifications so that select pieces of the trade and formulation 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 formulation specification. If a top level formulation 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 meet 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. Workflows can be created using Workflow Administration (WFA).

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

The Action Items page displays a list of all publications that identify you as the current owner. To access the Action Items page, click **CSS > Action Items** from the left navigation panel. 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
apples in a bag2	Ingredient Specifications		Prodika Syndication Webservice	Syndication	6/7/2007 11:37:21 AM
BBQ Beef and Vegetable Dinner - 11 oz for Syndication	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 2-14.

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 2-12 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, trade specification

The screenshot shows the 'CSS' tab selected for a trade specification. The title bar indicates '(trd) 5077539-003 - BBQ Beef and Vegetable Dinner - 11 oz (Data Admin Review)'. Below the title bar, there are tabs for 'Summary', 'Packaging', 'Compliance', 'Related Specs', 'CSS' (selected), 'Supporting Documents', 'References', and 'Approval/Audit Trail'. Under the 'CSS' tab, there is a section titled 'Initial Publication' which contains a table with columns: 'Trading Partner', 'Publication Type', 'Target Market', 'Initial Publication', 'Last Updated', 'Info Provider', 'Manufacturer', and 'Current Status'. Below the table is an 'Add New' button.

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

Figure 2-3: Publications requirements

The screenshot shows the 'Publications requirements' dialog box. It has 'Done' and 'Cancel' buttons at the top right. The 'Manufacturer' field is a dropdown menu. The 'Publication Type' field has two radio buttons: 'Initial Load' (selected) and 'New'. Below these fields, there is a list of publications with checkboxes. The list is organized by country codes: AU, GB, NZ, US, PDK WS, and UCC. Under 'US', there is a checked checkbox for 'US » GF » GF Inc Syndication Webservice - GF_WS'. Under 'UCC', there are two unchecked checkboxes: 'US » UCC » Foodco - 0041163000001' and 'US » UCC » Tasty Day Foods - 0925795000014'.

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**. GSM 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 2-13.

Figure 2-4: Initial publications

Initial Publication

Trading Partner	Publication Type	Target Market	Initial Publication	Last Updated	Info Provider	Manufacturer	Current Status
US » UCC » SuperValu (Anniston, AL) - 0041130051623	Initial Load	US	-----	3/24/2009	CPI	CPI	Draft GS1:

Add New 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

[Edit](#)
[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: 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			
	Extended Attributes	Notes	
	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 below.

Figure 2-7: Extended attributes dialog box

Done

Cancel

Show choices for: All

--

A

C

D

E

H

L

M

N

P

Q

R

S

T

U

Secured Date

Secured Free Text

Secured Free Text Multi-Line

Secured MS Checkbox

Secured MS Dialog

Secured Numeric

Secured Range All

Secured Range Max

Secured Range Min

Secured Range Target

Secured SS Dialog

Secured SS Pull down

Secured SS Radio

Secured Tolerance

→

←

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			
<button>Add New</button>			

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"/>	<input type="text"/>
	First Order Date	 <input type="text"/>	<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

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	

Attribute Overrides

Extended Attributes	Attribute Overrides

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

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

(trd) 5084511-001 - BBQ Beef and Vegetables (CSS Syndication)

Summary Packaging Compliance Related Specs **CSS** Supporting Documents References Approval/Audit Trail

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

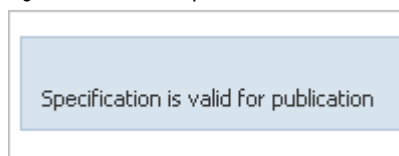
Initial Publication

	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:

Add New 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.

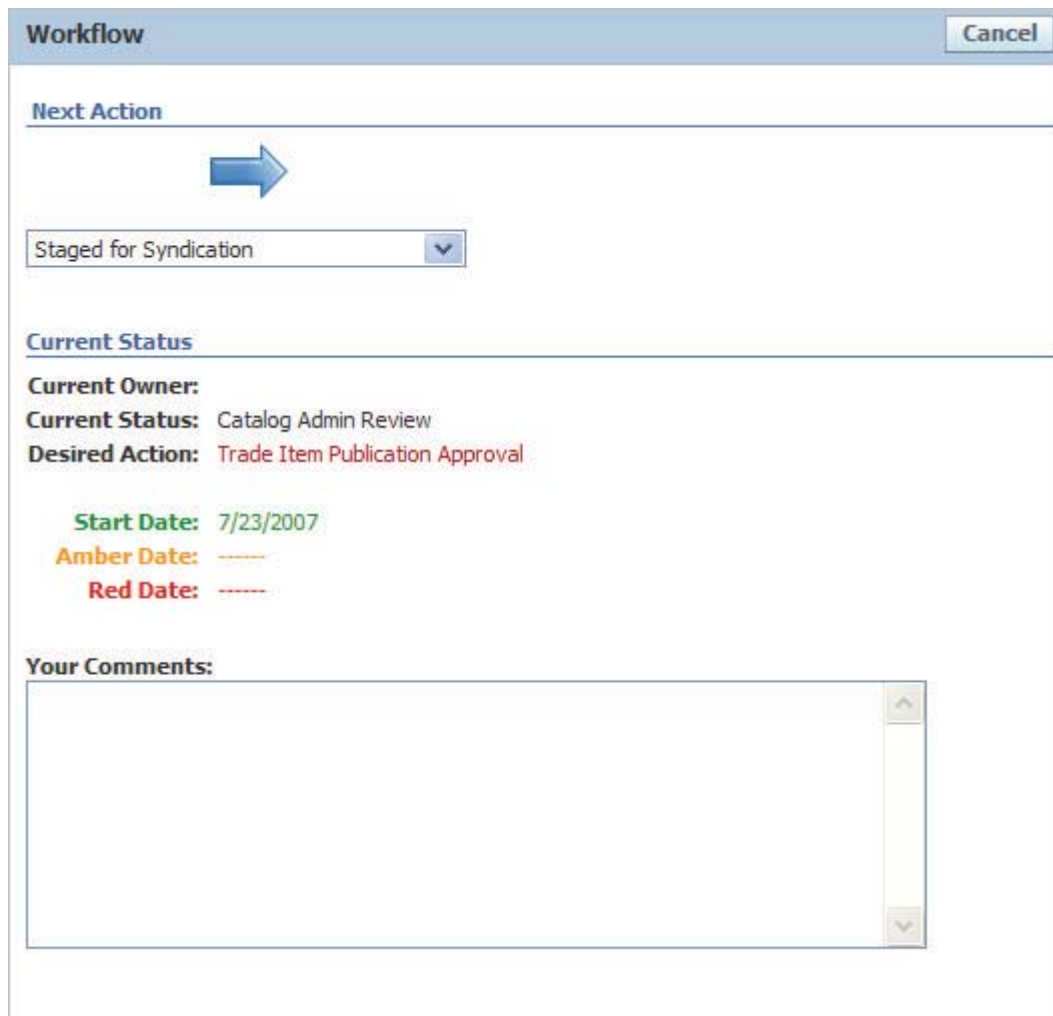
Figure 2-15: Valid Specification



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 image shows a 'Workflow' dialog box with a 'Cancel' button in the top right corner. The dialog is divided into several sections. The 'Next Action' section features a large blue right-pointing arrow icon and a drop-down 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"/>	BBQ Beef and Vegetable Dinner - 11 oz for Syndication	Consumer Unit	12345678909879	All Retailers	10/2/2007 9:26:54 AM
<input type="checkbox"/>	BBQ Beef and Vegetable Dinner - 11 oz - 12x Case for Syndication	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, as shown in figure 2-18 below. Click **Hide** to compress the list.

Figure 2-18: Available publications, Show selected

Syndication					
Select	Title	Trade/Spec Type	GTIN	Trading Partner	Last Updated
<input type="checkbox"/>	apples in a bag2	Ingredient Specifications		Prodika Syndication Webservice	12/26/2007 4:02:20 PM
<div> <input type="button" value="Hide"/> <input type="button" value="Action Selected Items"/> </div>					


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 2-19 shows below.

Figure 2-19: Workflow next action

Workflow

Cancel

Next Action



Staged for Syndication

▼

Current Status

Current Owner:

Current Status: Catalog Admin Review

Desired Action: Trade Item Publication Approval

Start Date: 12/31/9999


Amber Date: -----

Red Date: -----

Your Comments:

▲

▼

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 2-20 shows below. This feature is only available for trade specifications.

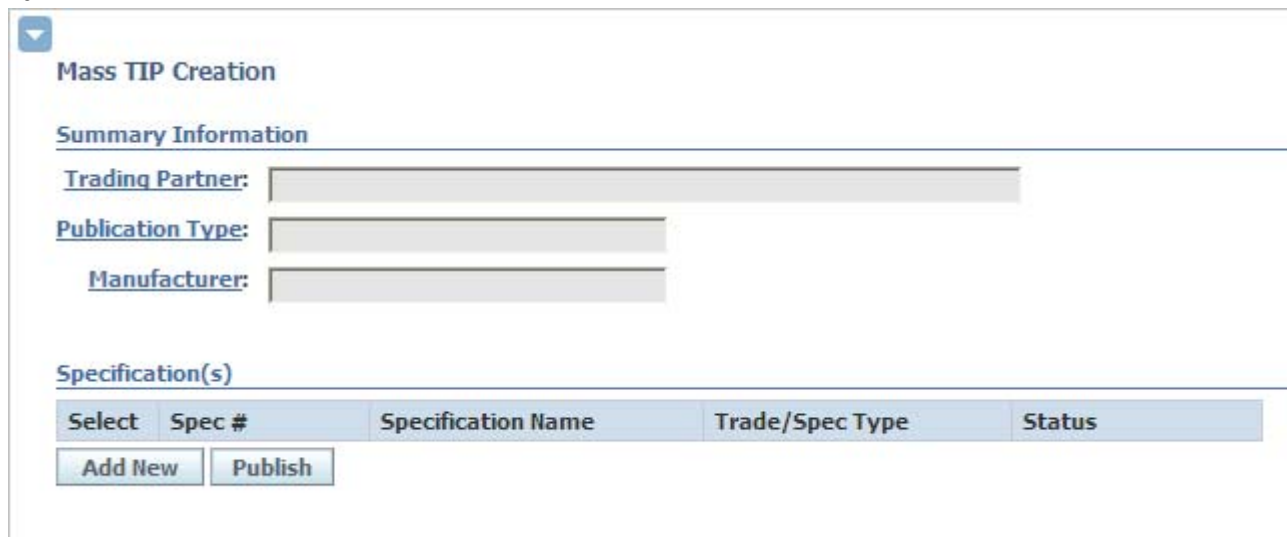
Figure 2-20: Trade Item Publications



The screenshot shows the 'Trade Item Publications' interface. At the top right, a 'New' button is circled in red. Below the title, there is a 'Search Criteria' section with three input fields and a 'more criteria...' link. Below the search criteria, there are 'Load', 'Save', 'Search', and 'Reset' buttons. At the bottom, there is a 'Search Results' section with a 'Results Per Page' dropdown set to 10.

Mass publications are composed of two sections shown in figure 2-21 below: Summary Information and Specification(s).

Figure 2-21: Mass TIP Creation



The screenshot shows the 'Mass TIP Creation' interface. It is divided into two main sections: 'Summary Information' and 'Specification(s)'. The 'Summary Information' section contains three input 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
<input type="button" value="Add New"/>	<input type="button" value="Publish"/>			

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 2-22 below.

Figure 2-22: Search Criteria

The screenshot shows a web application interface for searching specifications. At the top right is a 'Cancel' button. The 'Search Criteria' section includes a dropdown for 'Spec Name', a 'Contains' operator dropdown, a text input field containing 'BBQ', and a 'more criteria...' link. Below these are 'Load' and 'Save' buttons, and 'Search' and 'Reset' buttons. The 'Search Results' section shows 'Results Per Page' set to 10. A table displays 10 results with columns for Spec #, Spec Name, Item Type, and Status. The 'Selected Items' section at the bottom has a large empty text area and 'Remove', 'Clear', and 'Done' buttons.

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

1 2 3 4 5 6 7

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 2-23 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 2-23: 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"/>	5077539-006	BBQ Beef and Vegetable Dinner - 11 oz	Traded Unit (co-pack)	Draft
<input checked="" type="checkbox"/>	5077539-004	BBQ Beef and Vegetable Dinner - 11 oz	Traded Unit (co-pack)	Approved

Add New **Publish**

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.