IBM

IBM Global Data Synchronization for WebSphere Product Center
Version 1.1.1

# User Guide – Demand Side

Note: Before using this information and the product it supports, read the information in "Notices" at the end of this document.

23 February2005

This edition of this document applies to IBM Global Data Synchronization for WebSphere Product Center, version 1.1.1, and to all subsequent releases and modifications until otherwise indicated in new editions.

# Table of Contents

# About this Document

## *Audience*

The objective of this guide is to facilitate the users to navigate through the IBM Global Data Synchronization for WebSphere Product Center and identify and operate the main application functionalities. The document guides you through the application features using a step-by-step approach.

The intended audiences for this guide are retailers in the supply chain industry.

## *Related Documentation*

The following related IBM Global Data Synchronization for WebSphere Product Center documentation is also available:

- Installation and Configuration Guide
- Release Notes

## *Typographic Conventions*

This document uses the following conventions:

- `Courier New font –` Indicates commands, directory names, user names, path names, and file names.
- Note – Indicates important or clarifying information including exceptions, interdependencies, and special situations.
- Tip – Indicates a helpful action that will simplify or streamline the current procedure.
- **Bold** font – Indicates buttons, tabs, menus, and keyboard key names. For example, the **Save** button.
- *Italics* font – Indicates page names. For example, the *Login* page.

## *Terms and Acronyms*

| **Term/Acronym** | **Description** |
|---|---|
| Trade Item | A Trade Item is any product or service for which there is a need to retrieve pre-defined information and that may be priced, ordered or invoiced at any point in any supply chain. |
| Global Trade Item Number (GTIN) | This is a unique 14-digit number used to identify trade items. The first 13 digits represent the item reference number and the last digit is the check digit. |
| Global Location Number (GLN) | This is a unique 13-digit number used identify a trade location. The first seven digits represent the Company prefix, the next five digits represent the trade location, and the last digit is the check digit. |

| Term/Acronym | Description |
|---|---|
| Target Market (TM) | Geographic areas in which a trade item is available for sale. |
| Information Provider (IP) | Information provider indicates the information owner. For example, Distributor, broker, Manufacturer, or Franchisee. The retailer could receive information from both sellers and this field indicates the information owner. |
| Global Attributes | A global attribute indicates that the attribute is relevant for business cases around the world, and can only have a single value throughout the world. (For example, GTIN) |
| Global-Local Attributes | A global/local attribute indicates that the field is relevant for business cases around the world. Its definition is the same but may have a different value depending on the geography. (For example, VAT tax values, 1.00 in France, 1.05 in Belgium) |
| Local Attributes | A local attribute is only relevant in certain geographical areas, and the values may change based on where the product is offered for sale. (For example, green dot – only relevant in certain European countries.) |
| Data Pool | A repository of data where trading partners can obtain, maintain, and exchange information on items and parties in a standard format. In this guide the term data pool implies the UCCnet data pool services. |

# Ch 1 Overview

Global Data Synchronization is the process by which trading partners exchange basic information about products on an ongoing basis. The information can be on price, party, and other relationship-specific details. This process ensures that all stakeholders for a product are kept in “sync” about the latest information on the product.

Global Data Synchronization enables you to:

- Reduce costs and increase competitiveness through the efficient and accurate transfer and on-going synchronization of information.
- Lay the foundation for future supply chain collaboration initiatives which require that trading partners are in “sync” on the basic product, price, party, and relationship specific information.

## IBM Global Data Synchronization for WebSphere Product Center Business Processes

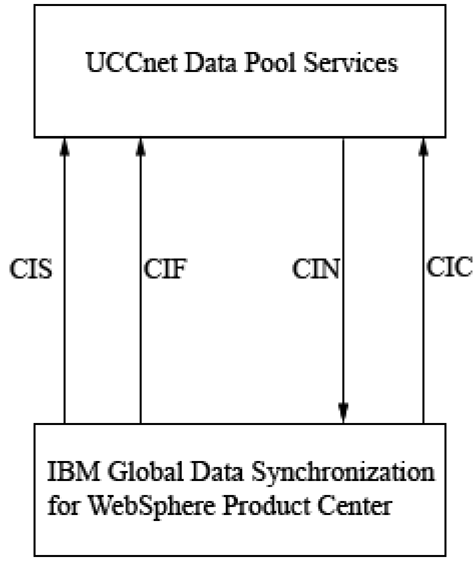
The IBM Global Data Synchronization for WebSphere Product Center enables the demand side trading partner (retailer) to perform key business functions. These include:

- Managing information on trade items and trading partners.
- Creating new items and trading partners
- Managing subscriptions
- Processing published item information

The IBM Global Data Synchronization for WebSphere Product Center connects to the UCCnet data pool services to enable a trading partner to perform demand side data synchronization via the UCCnet data pool services.

## Messaging process in IBM Global Data Synchronization for WebSphere Product Center

This section explains the messaging process between the IBM Global Data Synchronization for WebSphere Product Center and UCCnet Data Pool Services.




*Messaging Process*

1. Using the IBM Global Data Synchronization for Websphere Product Center, a trading partner (retailer) first sends a Catalog Item Subscription (CIS) or a Catalog Item Filter (CIF) message to the UCCnet data pool services requesting for information about an item.

2. After receiving a CIS or a CIF message, the UCCnet data pool services processes the CIS and CIF requests and sends responses as Catalog Item Notifications (CIN) to the retailer who has subscribed for the item details. The types of Catalog Item Notifications are:

   - Initial Load publication
   - New Item Publication
   - Item Change Publication
   - Item DeList Publication
   - Item Withdraw Publication

3. The CIN messages are processed by the IBM Global Data Synchronization for Websphere Product Center application and a Catalog Item Confirmation (CIC) message is sent back to the UCCnet data pool services. The types of CIC messages that are sent by the application are:

   - Review
   - Accept or Reject
   - Synchronized

# Ch 2 Getting Started

This chapter describes the initial steps to start working with the application, and provides basic navigational information.

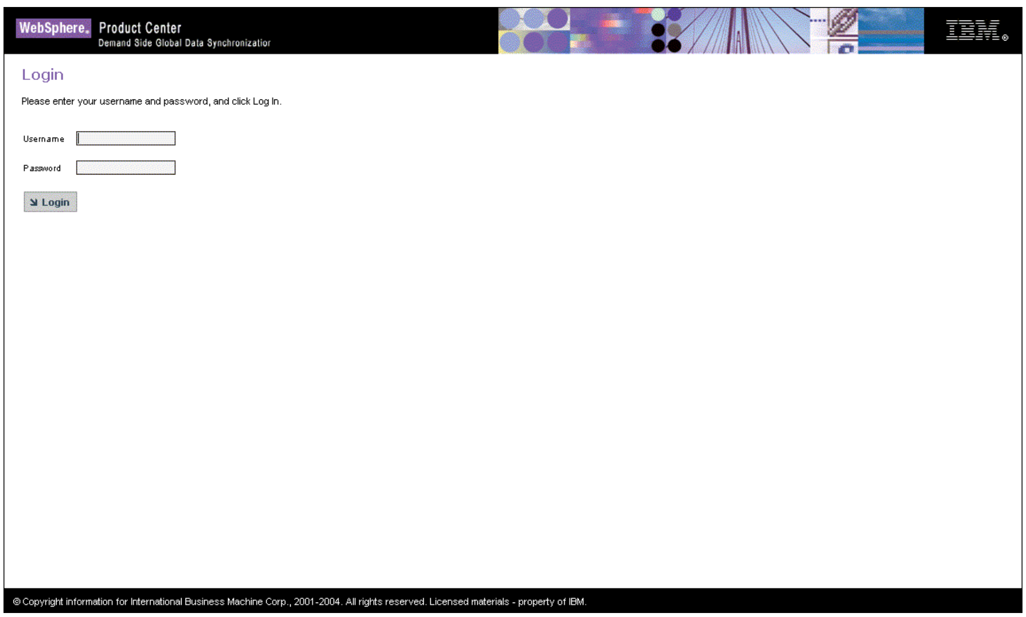
Topics include:

- Log on to GDS
- Navigation

## Log on to GDS

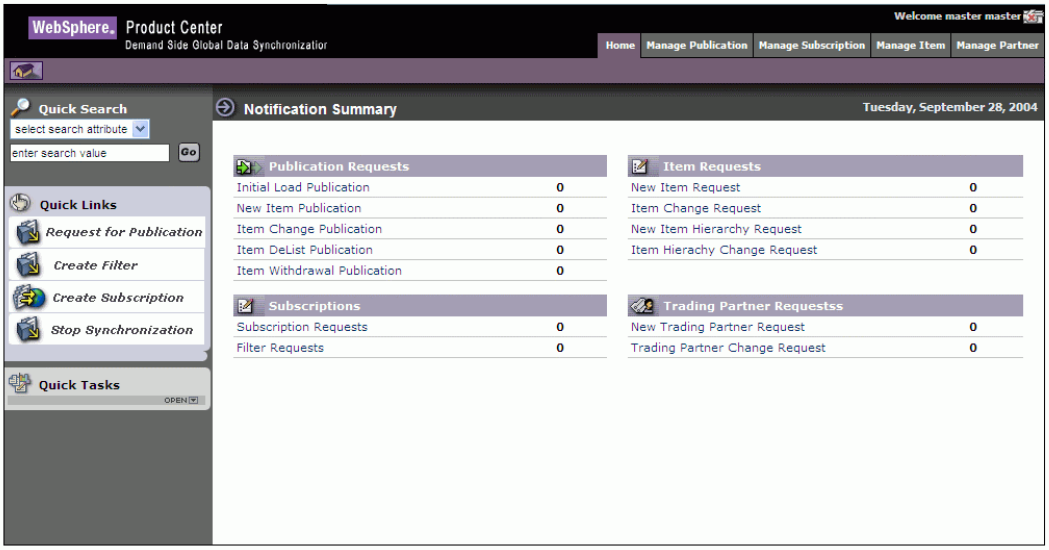
To log on to the application:

Access the IBM Global Data Synchronization for WebSphere Product Center application. The *Login* page is displayed.




*Login*

Enter your user ID and your password in the **User ID** and **Password** fields respectively. Click **Login**. The *Home page* is displayed.




*Home Page*

Each of the modules is aligned with a user's role and responsibility. Access to the various areas depends on the level of access assigned to your position and user ID.

## Navigation

This section describes the product layout and the methods you can use to navigate through the IBM Global Data Synchronization for WebSphere Product Center application.

The page comprises three segments:

- Top Navigation Bar
- Left Navigation Pane
- Task Area

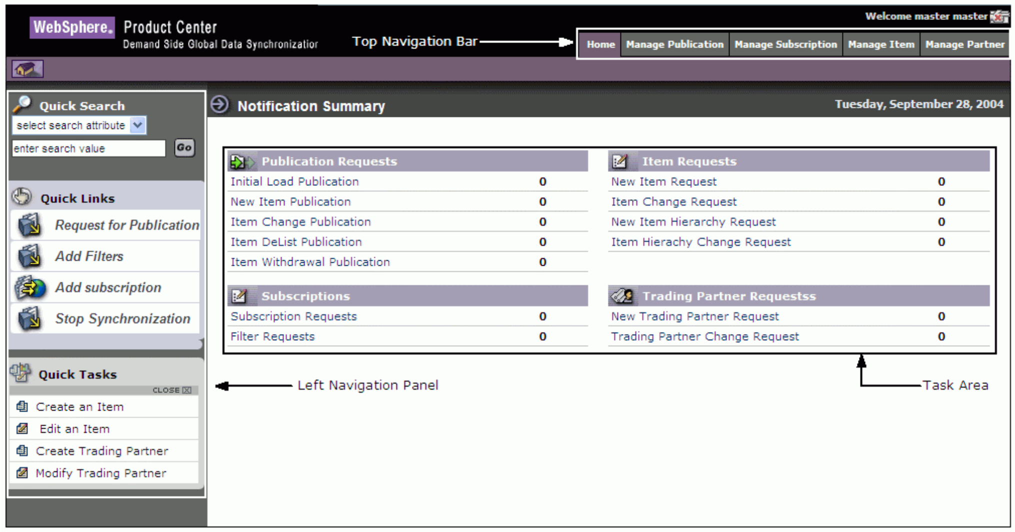
Each segment provides you with several methods that allow you to access various pages and views.

**Top Navigation Bar**: This segment provides tabs that allow you to navigate between various tasks, such as Manage Items, Manage Publications, and so on.

**Left Navigation Pane**: This segment is located on the left side of each page. It displays the quick links and quick search. It can also be customized to suit your preference.

**Task Area**: This is the largest segment on the page. When you select a tab or a link on any of the other segments, the related page where you can perform tasks is displayed here.

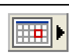
The segments are as shown.




*Segments*

## Icon Definitions

This section provides information about the icons used in the application.

| Icon | Name | Description |
|---|---|---|
|  | Delete icon | Use this icon to delete a trade item. |
|  | Delete icon | Use this icon to delete a contact for the trading partner. |
|  | Calendar Icon | Use this icon to open a calendar and select a date. |
|  | Edit Icon | Use this icon to edit item or trading partner information. |
|  | Look Up icon | Use this icon to select target markets and information providers. |
|  | Log Out icon | Use this icon to log out of the application. |
|  | Temporary GTIN icon | This icon represents a temporary GTIN. While creating an item, if the user does not specify a GTIN, then a temporary GTIN is created automatically by the application |
|  | View Details icon | Use this icon to view the details of a trade item or trading partner. |

# Ch 3 About Home Page

This chapter describes the home page of the IBM Global Data Synchronization for WebSphere Product Center application. This page acts as a dashboard that provides an overview of the number of notifications related to publications, subscriptions, trade items, and trading partners.

When you log on to the application, the home page displays the number of notifications related to items, subscriptions, publications, and trading partners by default.

The home page displays the following tables:

- **Publications** – This table displays the number of notifications that you have received or sent. This includes of notifications related to:
  - Initial Load Publications
  - New Item Publications
  - Item Change Publications
  - Item De-List Publications
  - Item Withdrawal Publications
  - Stop Synchronization

  For more information on viewing details of publications, refer the Managing Publications chapter.
- **Subscriptions** – This table displays the number of notifications received or sent for subscriptions. This includes notifications related to:
  - Subscription Requests
  - Query Subscription requests
  - Filter Requests

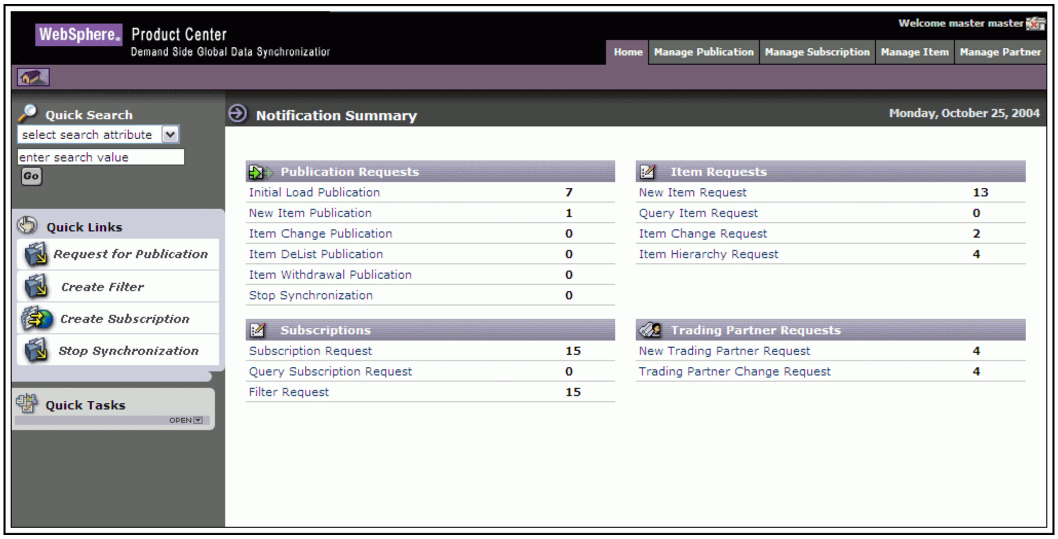
  For more information on viewing details of subscriptions, refer the Managing Subscriptions chapter.
- **Items** – This table displays the number of notifications received or sent for trade items/hierarchies. This includes notifications related to:
  - New Item Request
  - Item Change Request
  - Item Hierarchy Request
  - Query Item Request

  For more information on viewing details of items, refer the Managing Items chapter.
- **Trading Partner Requests** - This table displays the number of notifications received or sent for trading partners. This includes:
  - New Trading Partner Requests

- Trading Partner Change Request

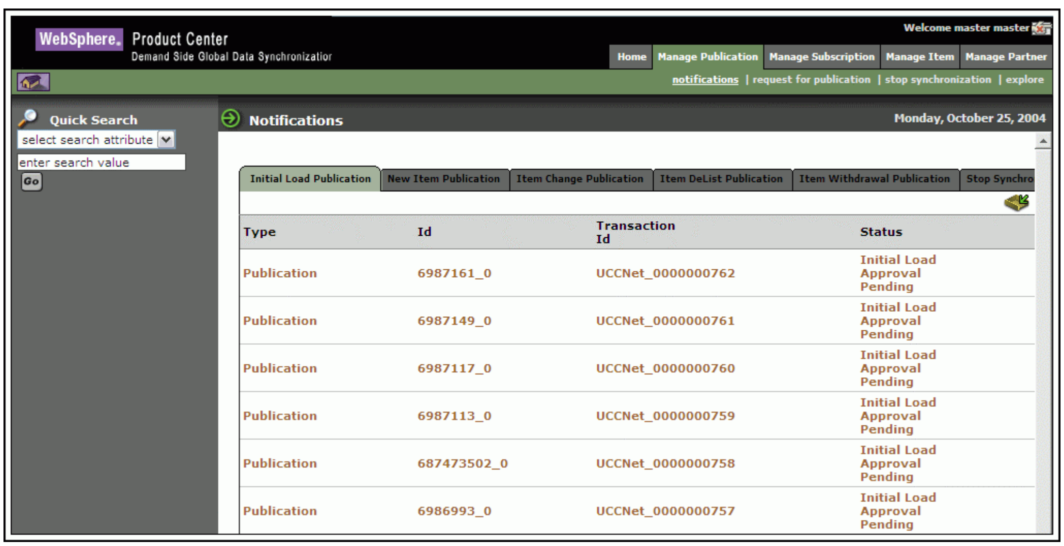
  For more information on viewing details of Trading Partners, refer the Managing Partners chapter.

The *Home* page appears as shown.



*Home Page*

You can click on each of the displayed links to view the related list of notifications. For example, if you click on the **Initial Load Publication** link, the page which shows you the list of notifications for Initial Load is displayed.



*Initial Load Publication Notifications*

# Ch 4 Managing Publications

This chapter describes the various tasks related to managing publications within the IBM Global Data Synchronization for WebSphere Product Center application.

You can view information on all published items and request (publication) information on an item from your trading partner.

The application receives publications for new items and item hierarchies. You can receive publications as a New Item or as an Initial Load. The items are published when the demand-side trading partner(s) sends a request for publication to the supply-side. Only those items that have been added to the data pool by a supply side user will be published on the demand side.

Topics:

- View Notifications
- Request for Publication
- Stop synchronization
- Explore Publication
- Processing Publication Messages

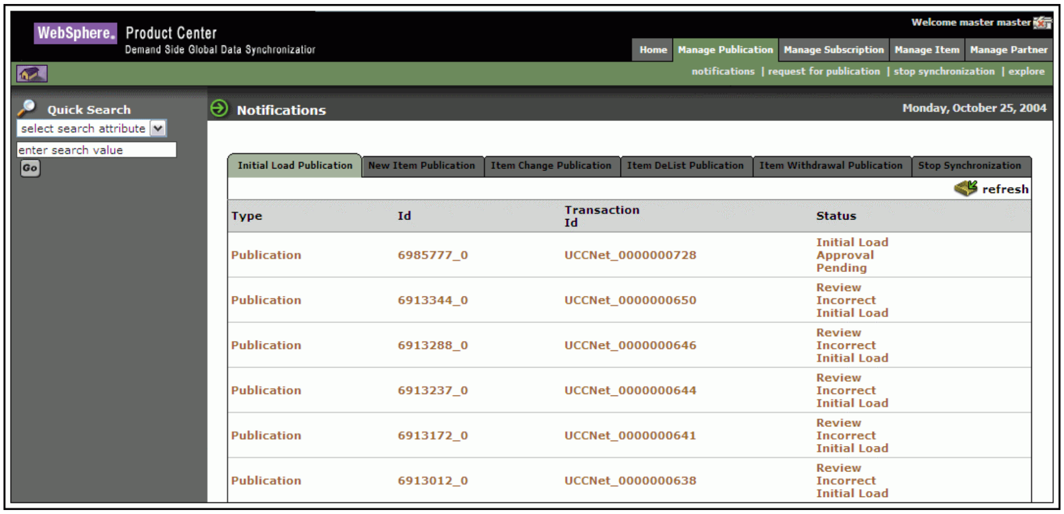
You can request for publications from the *Home* page also. The tasks are displayed under **Quick Links** on the left navigation pane.

## *View Notifications*

You can view all notifications related to publications in the *Notifications* page. This page contains the following tabs:

- Initial Load Publication
- New Item Publication
- Item Change Publications
- Item De-List Publications
- Item Withdrawal Publications
- Stop Synchronization

To view the list of notifications for each, click on the corresponding tab. The *Initial Load Publication* tab view is displayed by default.




*Initial load Page*

To view the details of a notification, click on the notification message. The details of that notification are displayed.

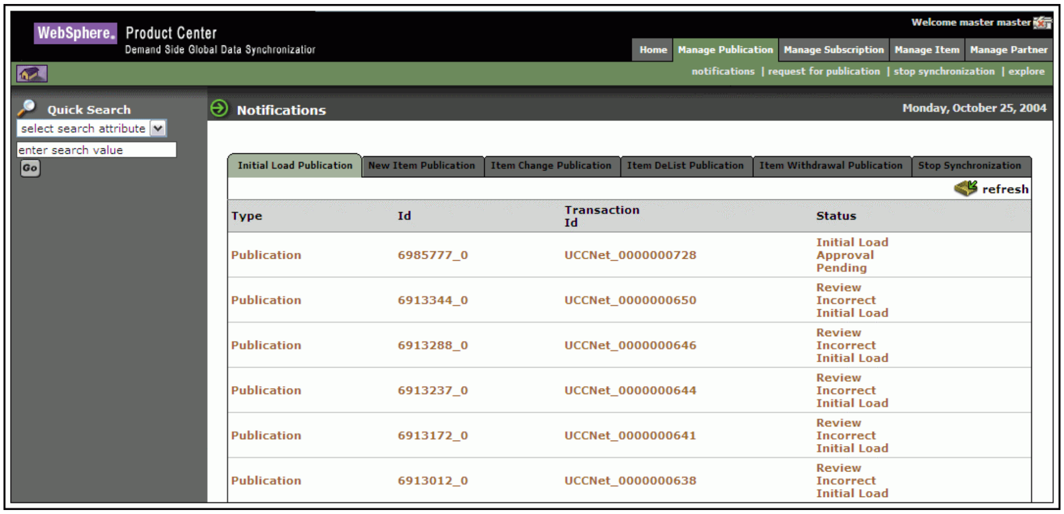
Notifications that are for information only can be viewed and deleted. To remove the notification from the list, click on the **Delete** icon.

## Request for Publication

When you need information about an item, you have to request for a publication for that item from a trading partner. You have two options for requesting a publication. You can request publications as a new item publication or as an initial load publication.

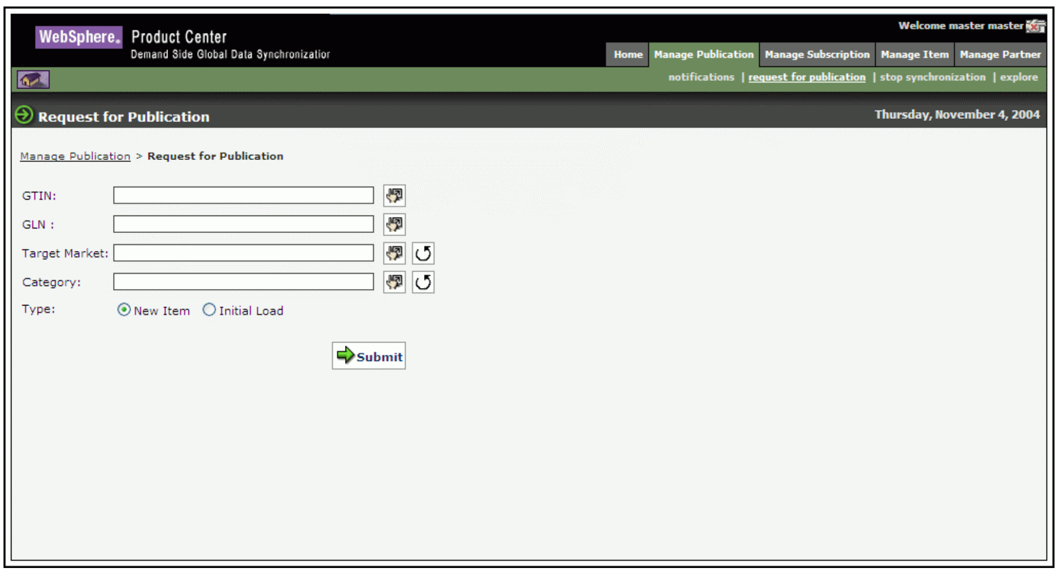
To request for publications:

1. In the *Home* page, click on the **Manage Publication** tab. The *Manage Publication* tab view is displayed.




*Manage Publication Tab View*

2. Click on the **request for publication** link. The *Request for Publication* page is displayed.




*Request for Publication*

3. You can type values in any or all the following fields.
   a. In the **GTIN** field, type the global trade item number of the item for which you want to receive publications. You can also select the GTIN using the **Lookup** icon.
   b. In the **GLN** field, type the global location number. You can also select the global location number using the **Lookup** icon.
   c. In the **Target Market** field, type the name of the target market. You can also select the target market using the **Lookup** icon.

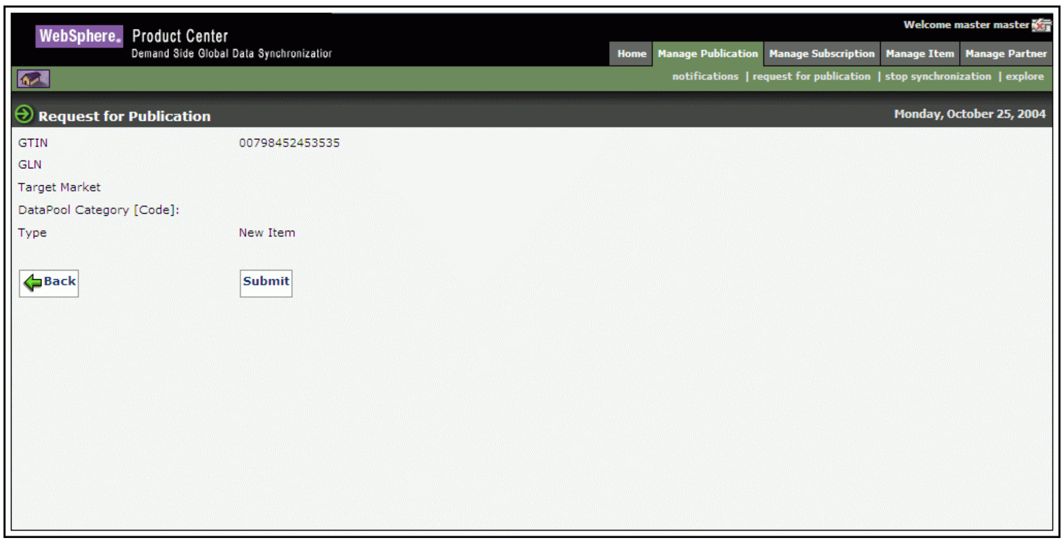
d. In the **Category** field, using the **Lookup** icon, select the category to which the item belongs.

e. If you want to clear the data in the **Target Market** and **Category** fields, click on the **Undo** icon.

f. Select **New Item** or **Initial Load** for the type of publication that you want to receive for the item.

Note: An item that has not yet been published to any trading partner is called a new item.

4. A screen showing the details you have entered is displayed.




*Request for Publication – GTIN details*

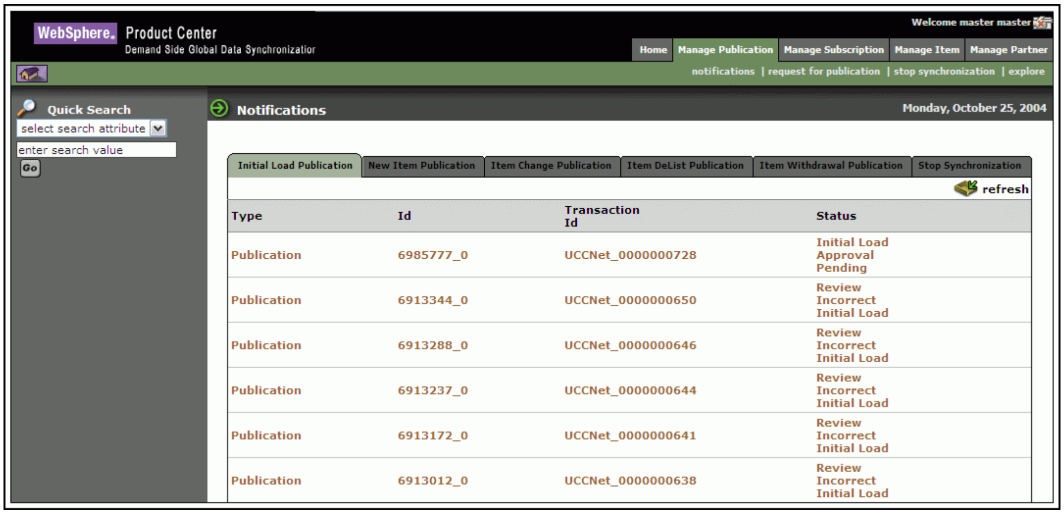
5. Click **Submit**. A message "Request for notification submitted" is displayed on the same page.

## *Stop Synchronization*

You can stop synchronization for items for which you do not want to receive any more publications.

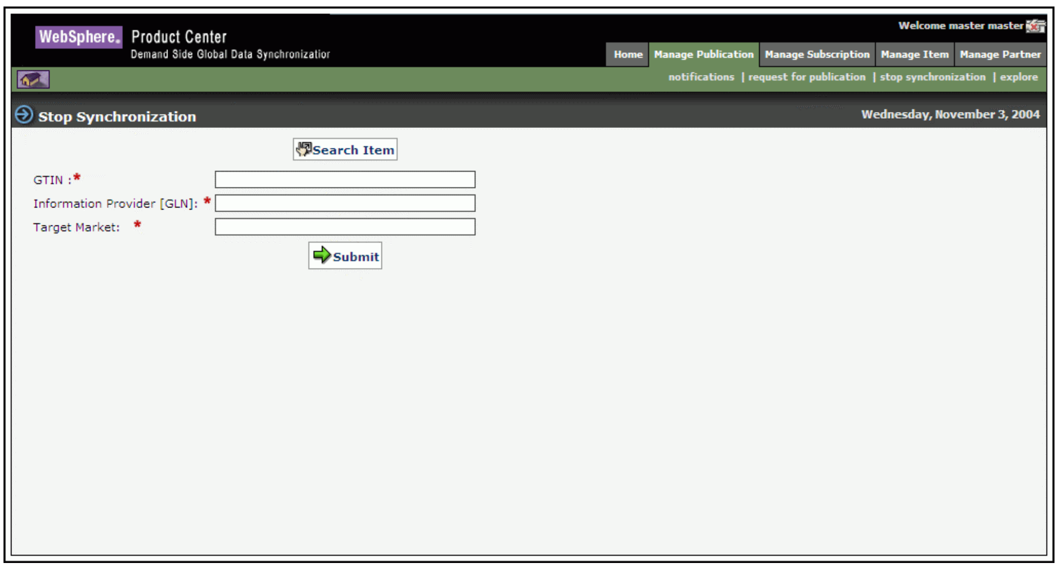
To stop synchronization:

1. Click on the **Manage Publication** tab in the *Home* Page. The *Manage Publication* tab view is displayed.



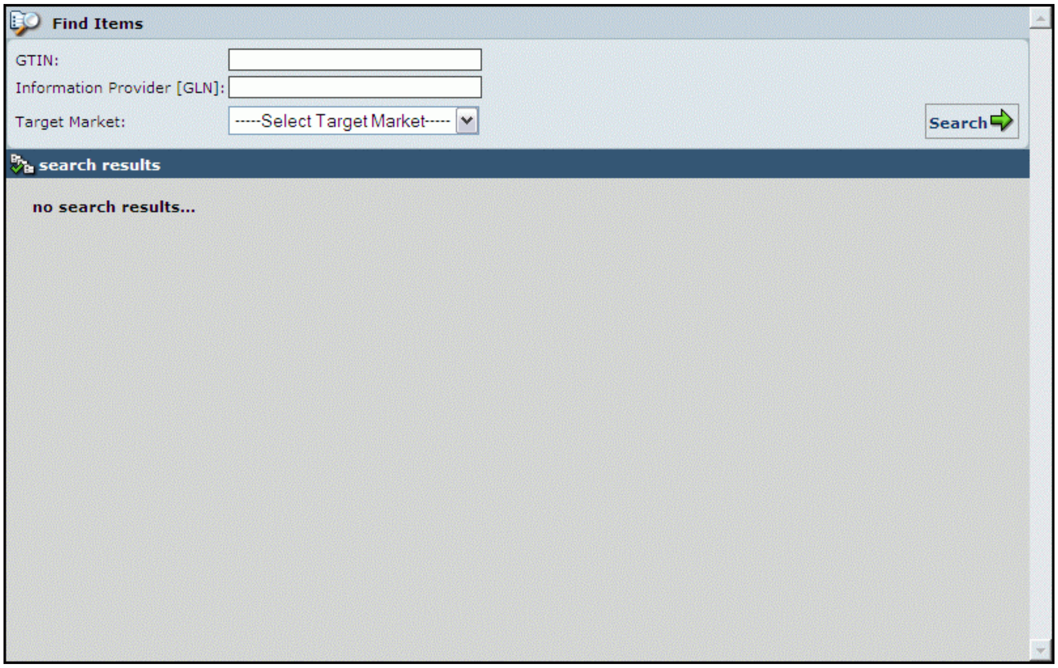

*Manage Publication Tab View*

2. Click on the **stop synchronization** link. The S*top Synchronization* page is displayed.



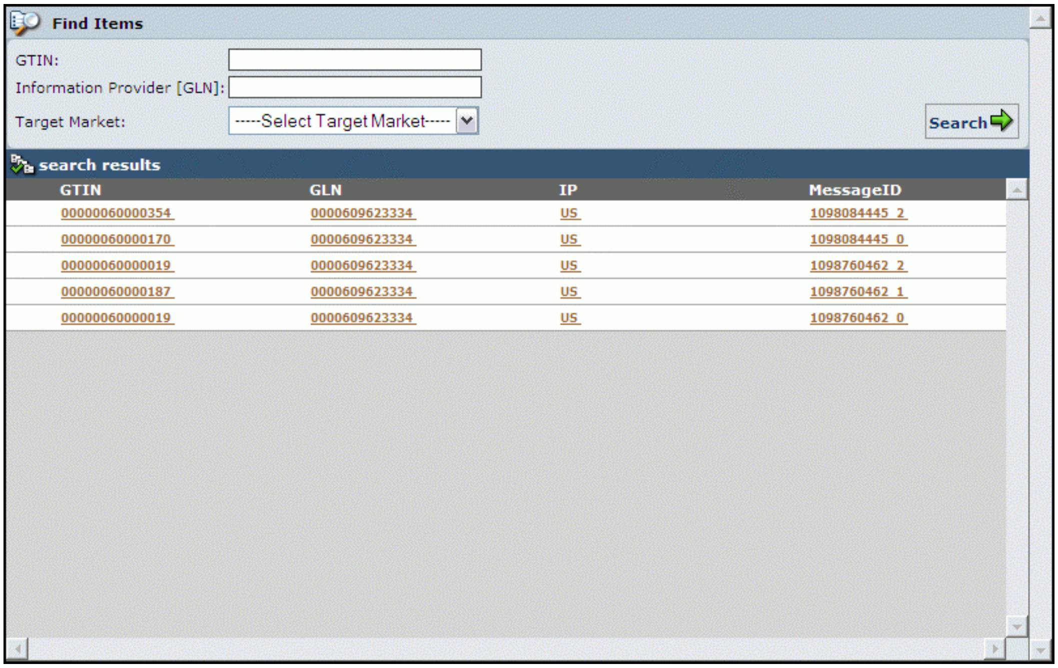

*Stop Synchronization*

3. Click on the **Search Item** button. A window where you can search for the item is displayed.



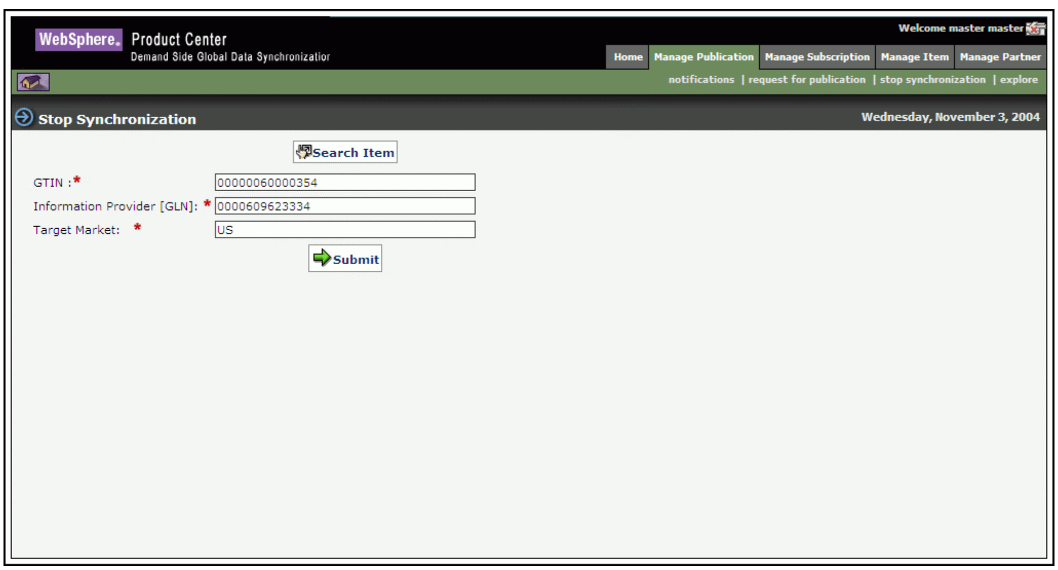

*Stop Synchronization - Search*

4. In the Search page:
    a. In the GTIN field, type the global trade item number of the item for which you want to stop synchronization
    b. In the GLN field, type the GLN that you want to stop synchronizing items with.
    c. Select the Target Market of the GLN that you want to stop synchronizing items from.
    d. Click on the Search button. The search results are displayed in the Search Results area.



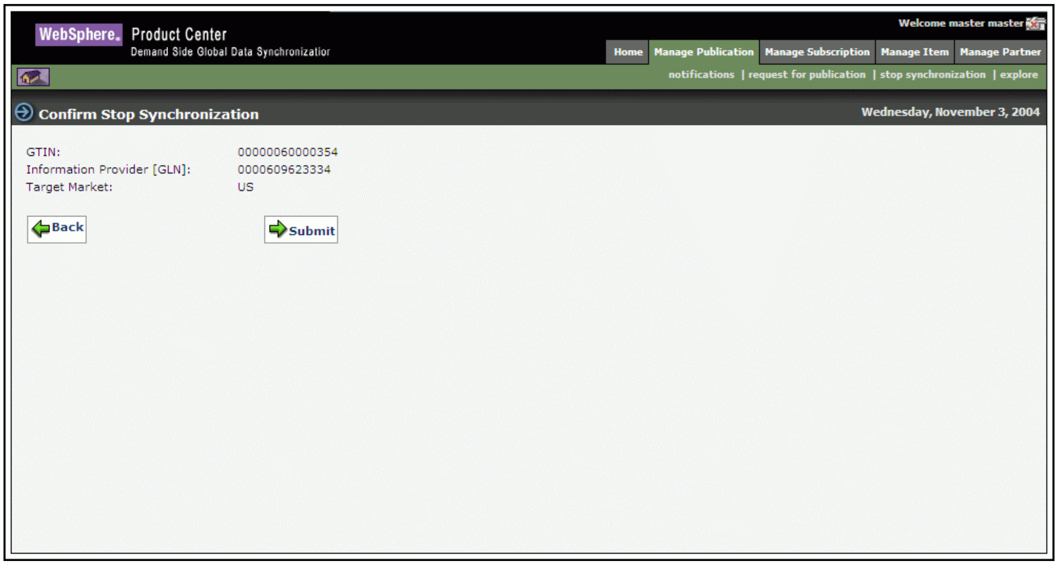

*Stop Synchronization – Search Results*

5. From the search results click on the GTIN that you want to stop synchronization for. The details of the GTIN will be displayed.




*Stop Synchronization – Selected GTIN details*

6. To stop the synchronization for that particular Item, click **Submit**. A confirmation page is displayed.




*Confirm Stop Synchronization*

7. If you are sure of stopping the synchronization for that particular Item, click **Submit**. A message is sent to UCCnet data pool services to reject the item. A notification that a reject message has been sent to the UCCnet data pool services will be sent to the appropriate user(s). The status of the item is changed "Stop Synchronized"

## *Explore Publication*

For information about performing a search for publications, refer the section Search Publications in *Chapter 8 – Search*.

## *Processing Publication messages*

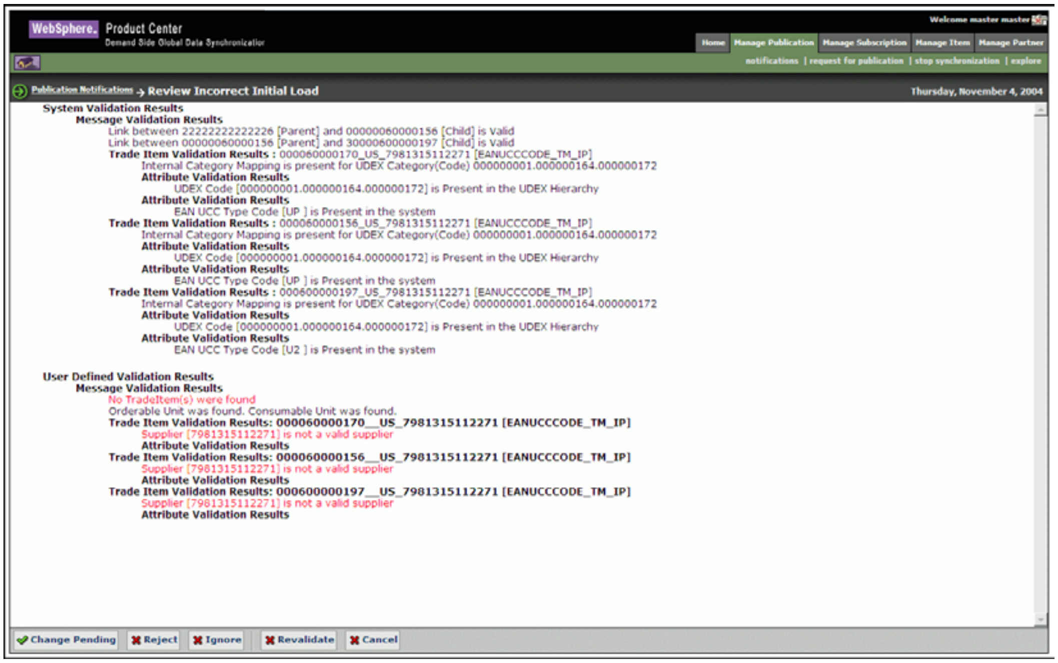
### Initial Load Publication

Initial Load is a synchronization message that is received for a trade item that has already been published to you by the supplier.

When an Initial Load publication is received by the application, it goes through an internal validation process. If the item fails validation, then a notification "Review Incorrect Initial Load publication" is sent to the appropriate user(s).

To review an incorrect initial load:

1. Click on the **Notifications** link under **Manage Publication** tab. The **Initial Load** tab view is displayed by default. Click on the notification "Review Incorrect Initial Load publication" for the trade item that you want to validate. The details of the failure are displayed.




*Review Incorrect Initial Load*

2. If the supplier has agreed to make the changes to the item, then click **Change Pending**. The status of the item is changed to "Awaiting Changes". If the supplier resends the item as an initial load, the initial load goes through an approval process again. The status gets changed accordingly.

3. If the supplier has disagreed to make the changes click **Reject**. A reject message is sent to the UCCnet data pool services.

4. Click **Ignore** to ignore the validation. No message will be sent to UCCnet data pool services and the notification will be deleted.

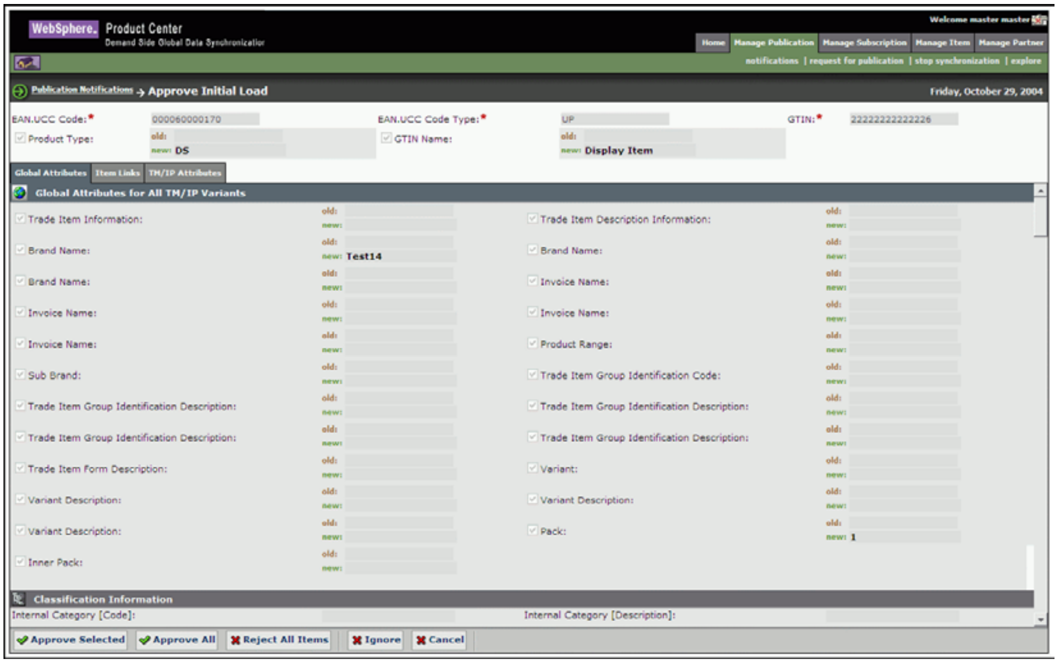
5. If the initial load has failed only the user level validations then, you can turn off the user level validation process and revalidate the initial load. Click **Revalidate** to revalidate the initial load.

6. Click **Cancel** to exit the page.

Note: The validation process can be turned off in the IBM Global Data Synchronization for WebSphere Product Center configuration. The initial load will not go through any validation.

To approve an initial load item:

1. Click on the **Notifications** link under manage publication tab. The initial load tab is displayed by default. Click on "Initial Load Approval Pending" message for the trade item that you want to approve. Both the old and new details of the item are displayed.




*Approve Initial Load*

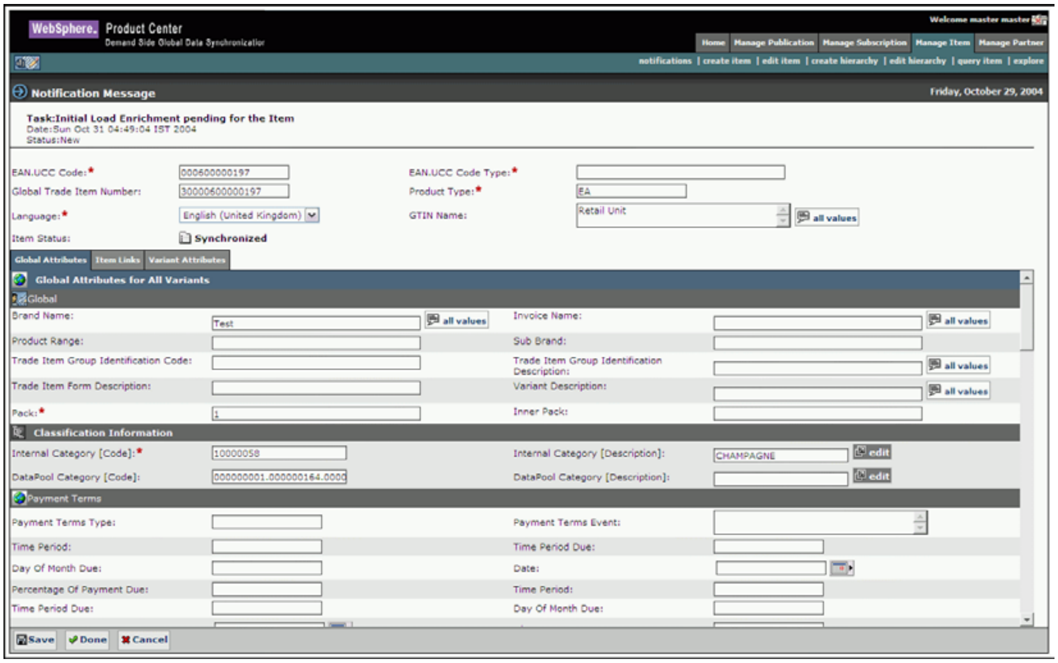
2. You can approve either selected attributes or you can approve all the attributes. If you do not want to approve all the attributes, select the attributes you want to approve and Click **Approve Selected**. If you want to approve the entire set of attributes click **Approve all**. A notification “Initial Load Enrichment pending” is sent to the appropriate user(s).

3. Click **Reject all Items** if you want to reject all the attributes of the item.

### Enriching an InitialLoad

To enrich an item that passes Initial Load validation:

1. Click on the **Notifications** link under manage publication tab. The initial load tab is displayed by default. Click on the initial load validation failed message for the trade item that you want to validate. The details of the item are displayed.

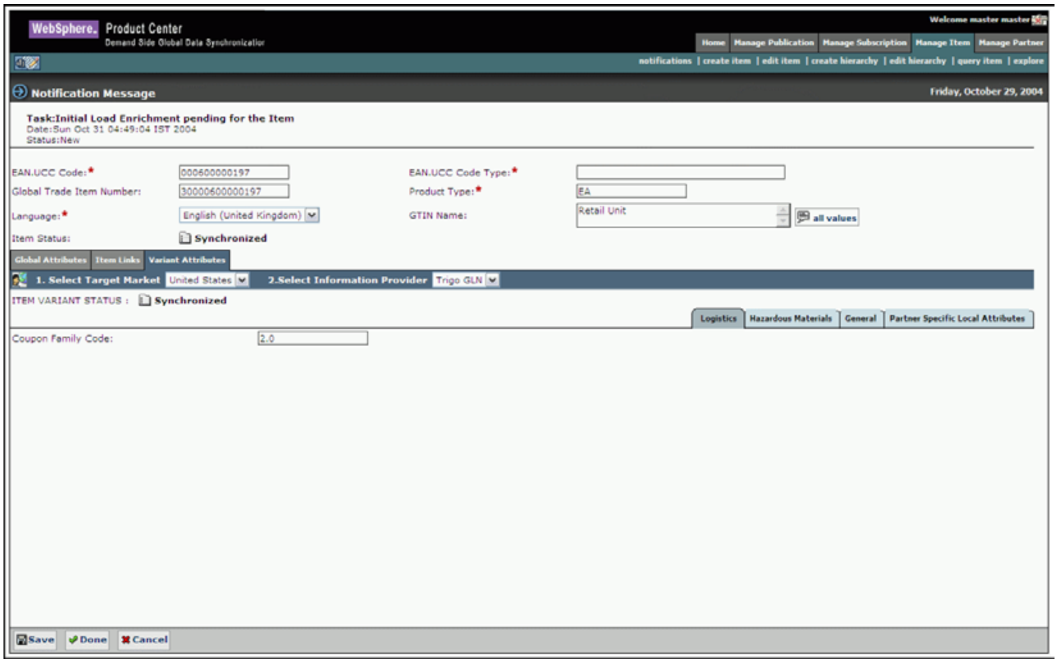



*Initial Load Enrichment*

2. Enter the values for various fields under the **Global attributes** tab.

3. Under the variant attributes tab, enter the values for fields under the **Logistics**, **General**, **Hazardous Materials** and **Partner Specific Local Attributes** tab.

Note: For a detailed description of all the Trade Item attributes refer to the UCCnet attribute starter Kit--*Attribute Starter Kit (UCCnet Mandatory XSD Attributes) 012904.pdf*



*Variant Attributes*

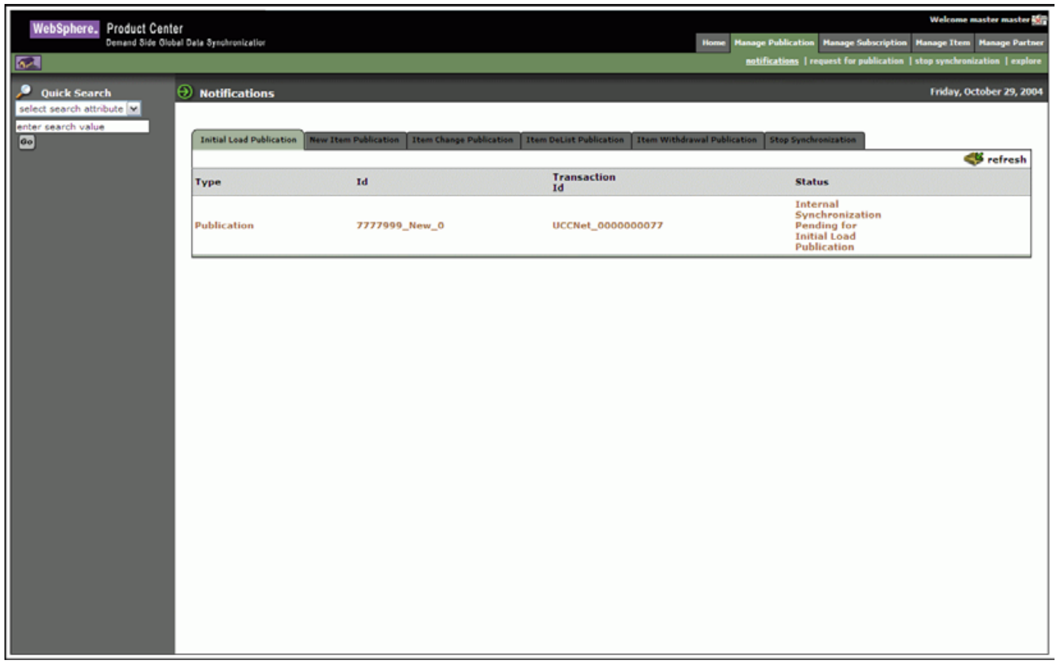
4. When you have finished the enrichment click **Done**. A notification "Initial Load Approval Pending" is sent to appropriate user(s).

5. If the enrichment is not complete and you want to save the item, click **Save**.

### Synchronizing an Initial Load publication

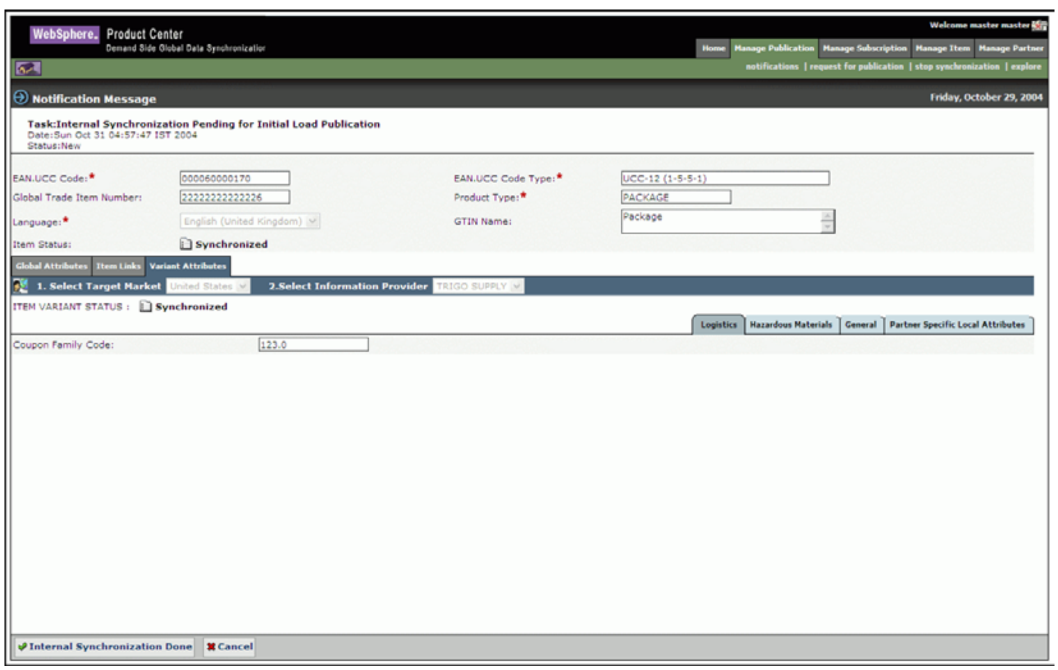
To synchronize an Initial Load Publication:

1. Under the *Manage Item* tab view, click on **Item Change Request** tab. The *Item Change Request* tab view is displayed.




*Manage Item – Item change Request*

2. Click on the notification "Initial Load Publication Synchronization Pending". The details of the item are displayed.




*Initial Load Publication – Internal Synchronization*

3. You can view the details of item under the **Global Attributes, Item Link, and Variant Attributes** tab.

To internally synchronize the item, click **Internal Synchronization Done**. The item will be internally synchronized. A notification "Internal Synchronization Completed" is sent to the appropriate user(s).

## New Item Publication

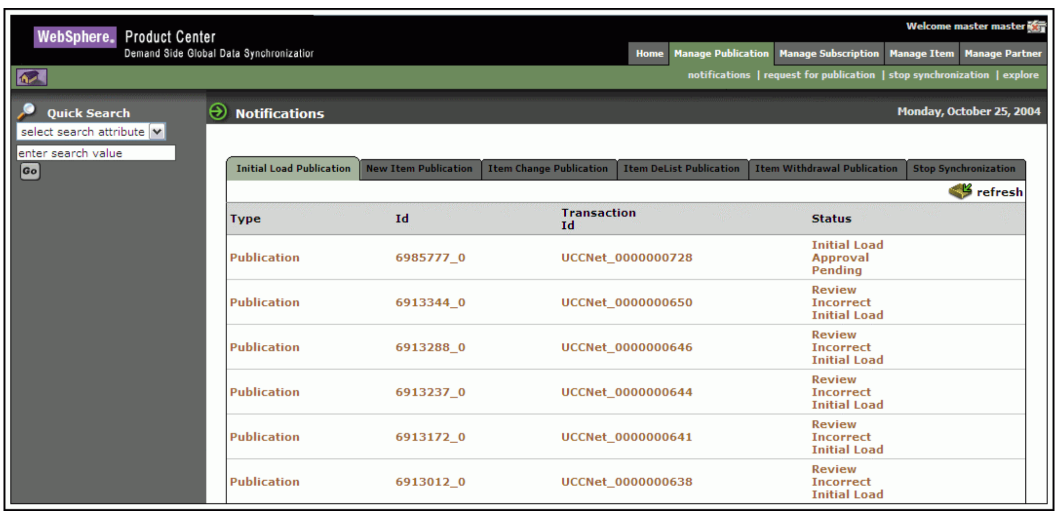
When a new item is published by the supplier, a notification "New Item Published" is displayed under the new item publication tab. The item has to go through the following steps.

- Mapping new item to an internal classification
- New item approval
- Item enrichment
- Item synchronization

### Mapping new item to an internal classification

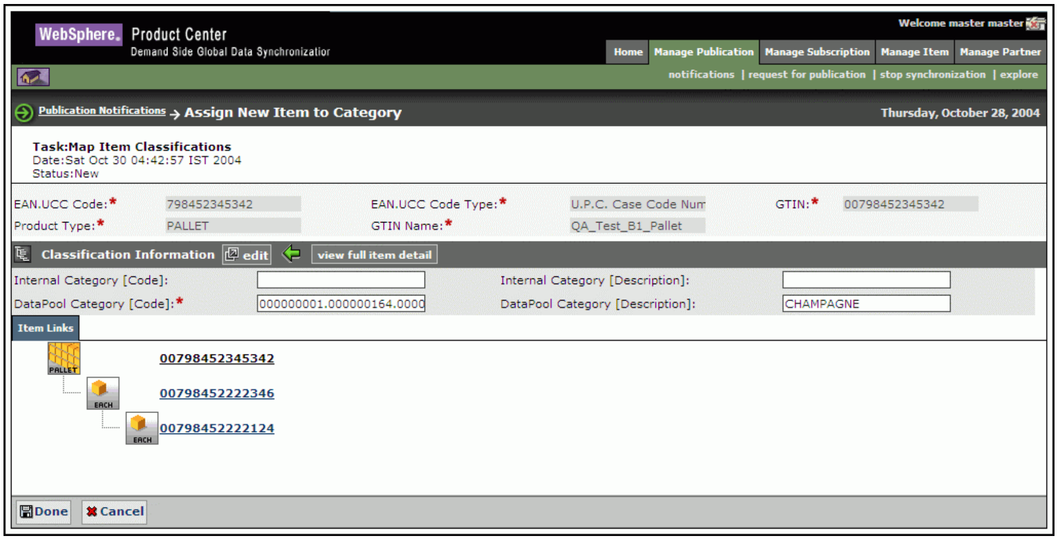
To map a new item to an internal classification:

1. Click on the **Manage Publications** link. The *Notifications* page is displayed.



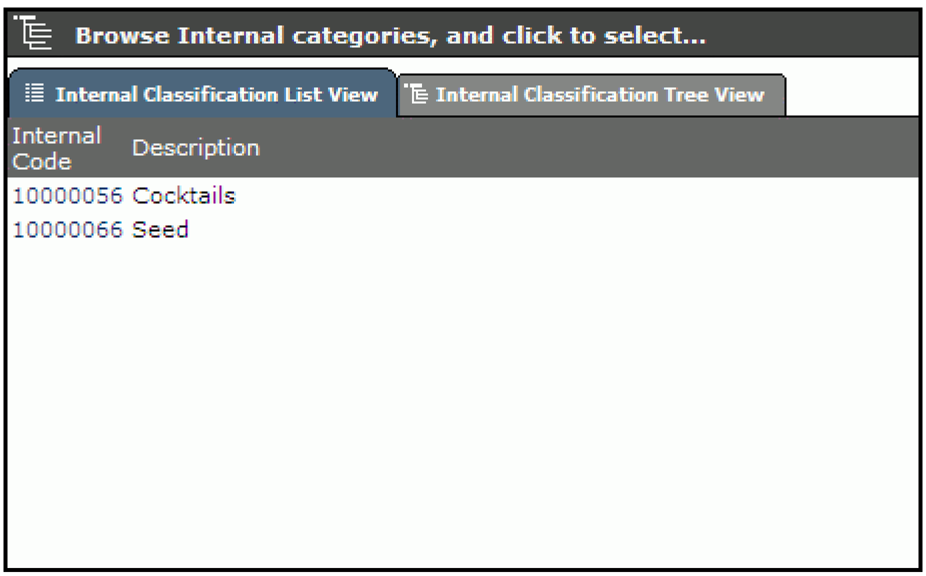

*Manage Publications*

2. In the *Item change publication* tab view, click on a notification that has "New Item Publication" status. The details of the notification are displayed.



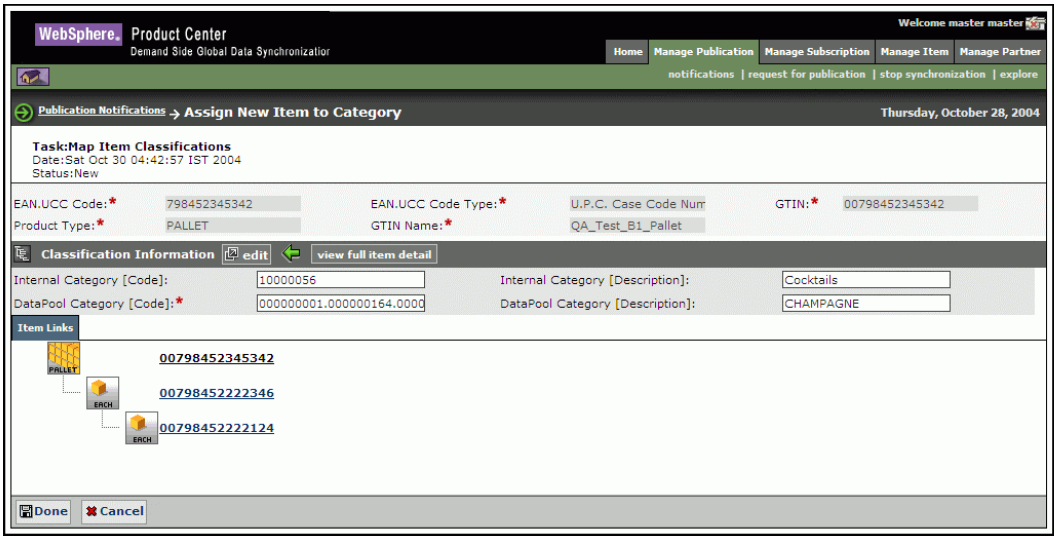

*New Item Publication - Details*

3. Click **Edit**. A screen where you can browse the internal classification is displayed. The internal classification list view is displayed by default.




*Internal Classification List View*

4. Select the category to which you want to map the item. The item will be classified as per the selected internal category. The selected category will be mapped and the item and will be displayed on the screen.

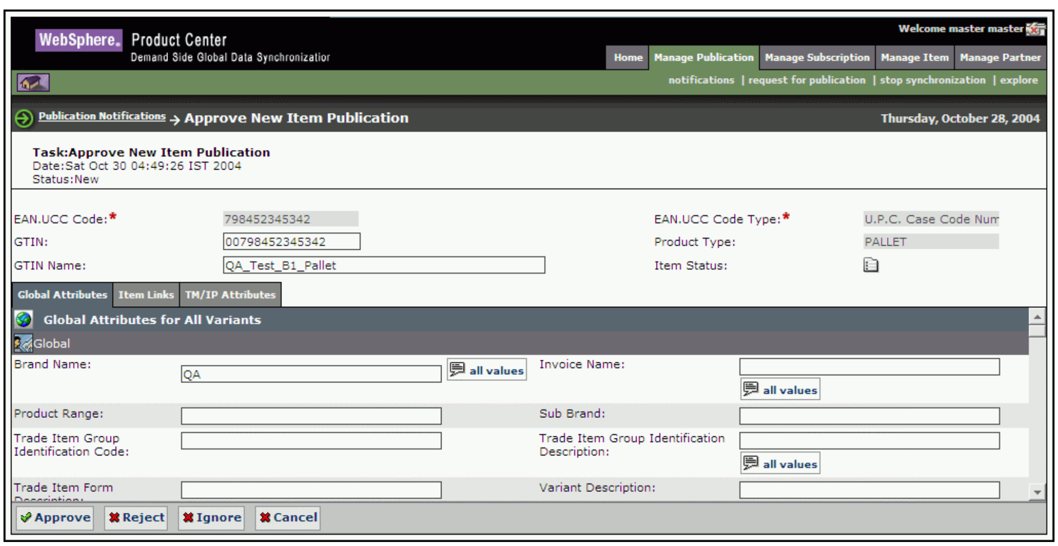



*Map Item Classification- Category Selected*

5. Click **Done**. A notification "New item Publication Approval Pending" is sent to the appropriate user(s). The notification is displayed under the *Manage Item->Notifications-> Item change Publication* tab.

### Approving a New Item Publication

1. Click on the **Notifications** link under the **Manage Publication** tab view. In the *Item Change Publications* tab view, click on the "New item Publication Approval Pending" notification. The details of the item are displayed.



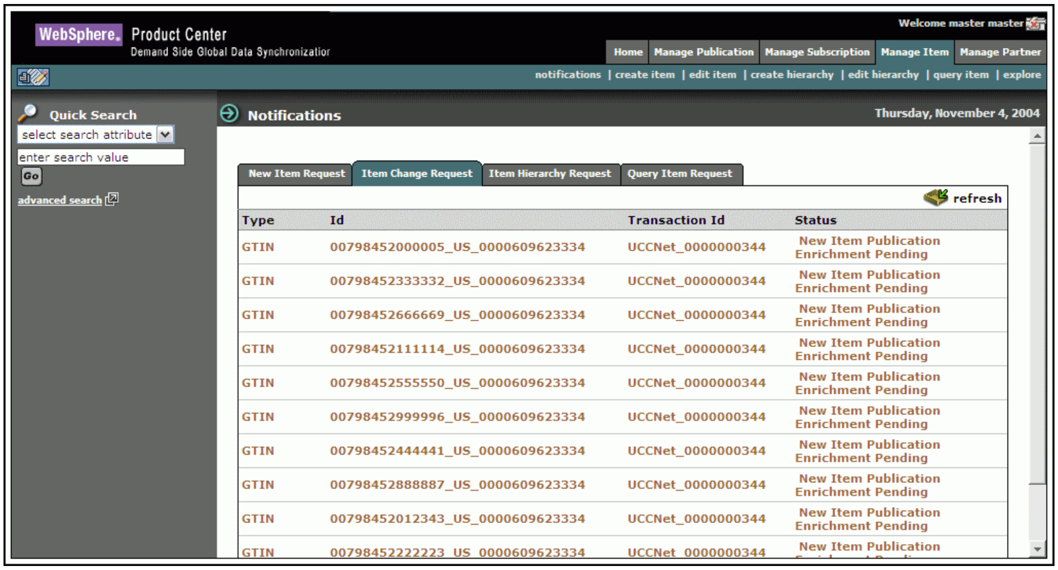

*Approve New Item Publication*

2. To approve the item, click **Approve**. A notification "New Item Enrichment pending" is sent to the appropriate user(s). The notifications will appear in the *Manage items -> Notifications -> Item Change Request* tab view.

**Enriching a new Item**.

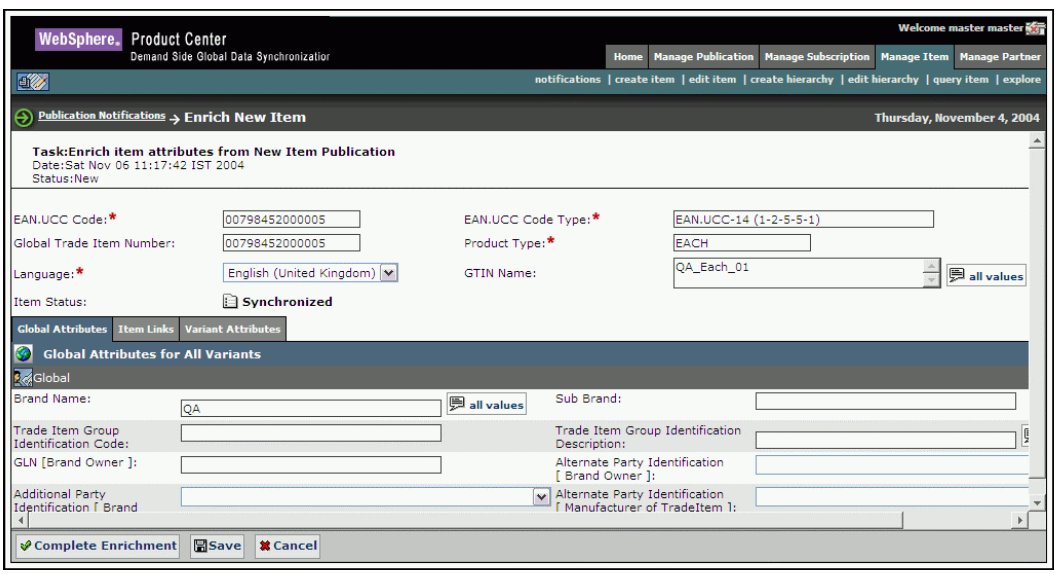
To enrich a new item:

1. Click on the **Notifications** link under the **Manage Item** tab view. Click on the **Item Change Request** tab. The *Item Change Request* tab view is displayed.




*Item Change Request*

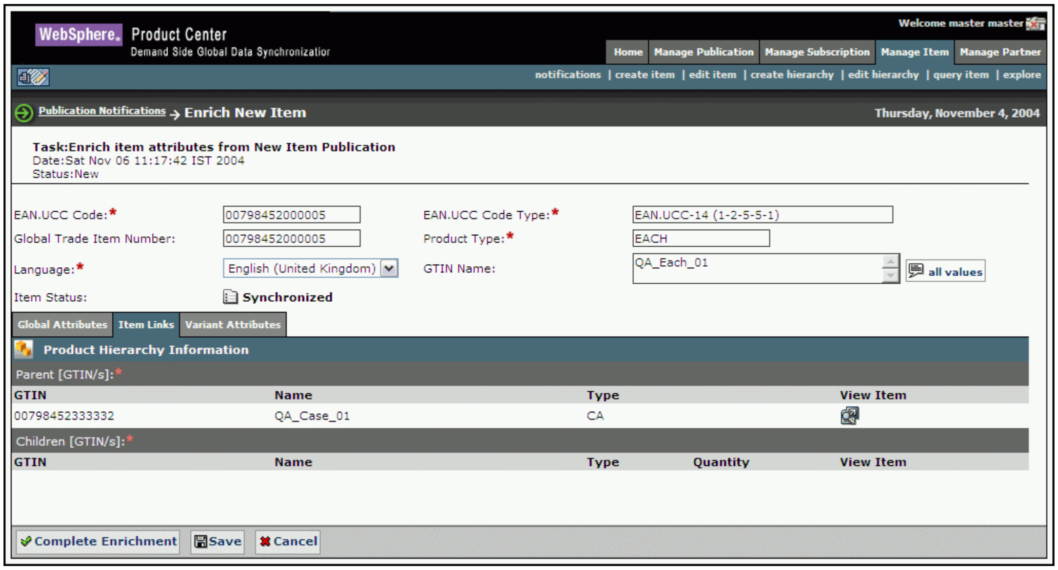
2. Click on the item with the status as "New Item Publication Enrichment Pending". The details of the item are displayed.




*Enrich New Item*

3. Enter the values for various fields under the **Global attributes** tab.

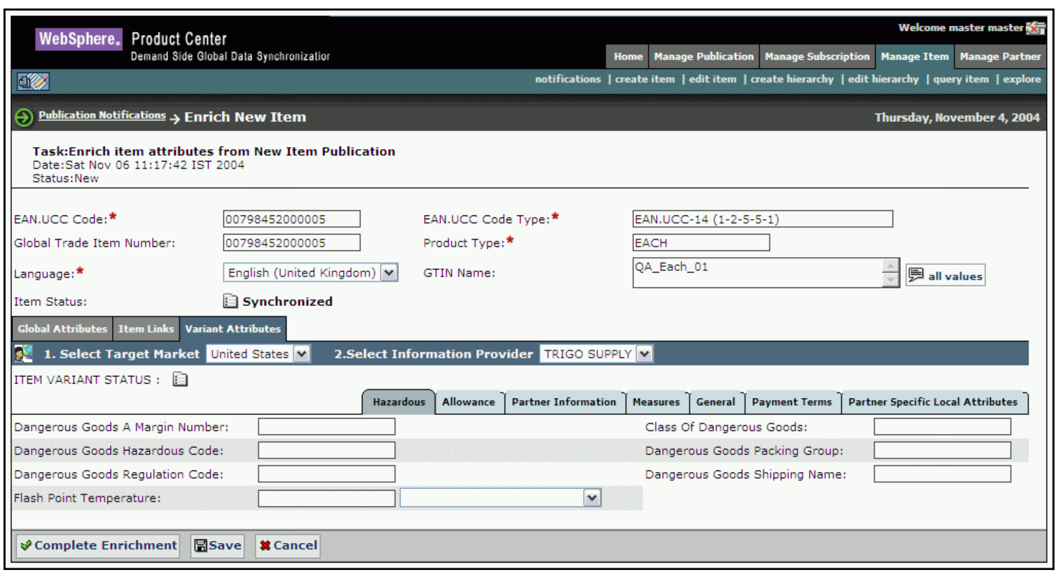
4. Under the **Item links** tab you can view the hierarchy existing for that particular item. You cannot edit the item links.



*Enrich New Item – Item Links*

5. Under the **variant attributes** tab, enter the values for fields under the **Logistics**, **General**, **Hazardous Materials** and **Partner Specific Local Attributes** tab.

Note: For a detailed description of all the Trade Item attributes refer to the UCCnet attribute starter Kit--*Attribute Starter Kit (UCCnet Mandatory XSD Attributes) 012904.pdf*



*Enrich New Item – Variant attributes*

6. To complete the enrichment for the item, click **Complete Enrichment**. When all the users to whom an enrichment notification is sent, complete the enrichment process, a notification "New Item synchronization pending" is sent to the appropriate user(s).

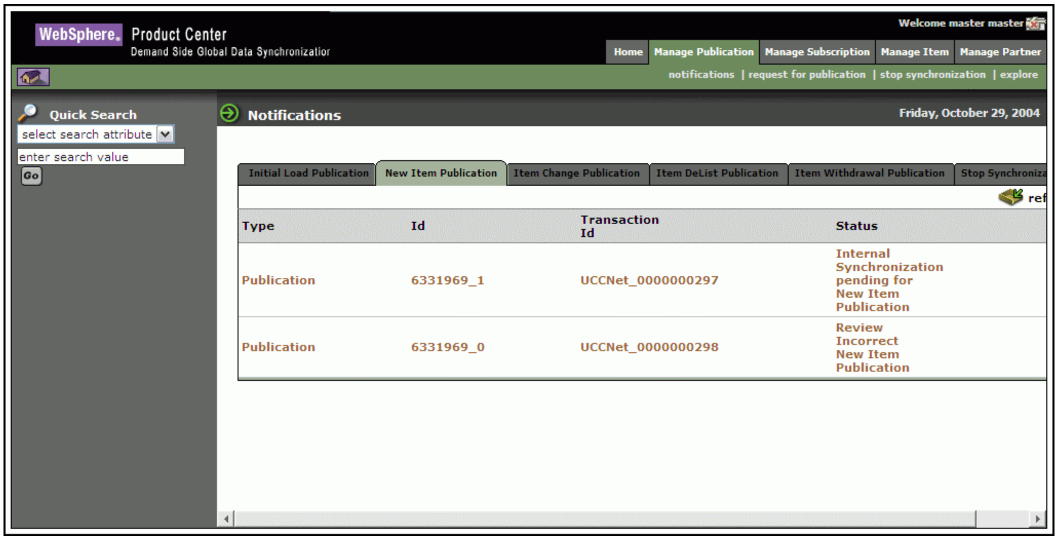
7. If you have not completed the enrichment and you want to save the item, click **Save**.

8. Click **Cancel** to exit without making any changes.

### Synchronizing an New Item Publication

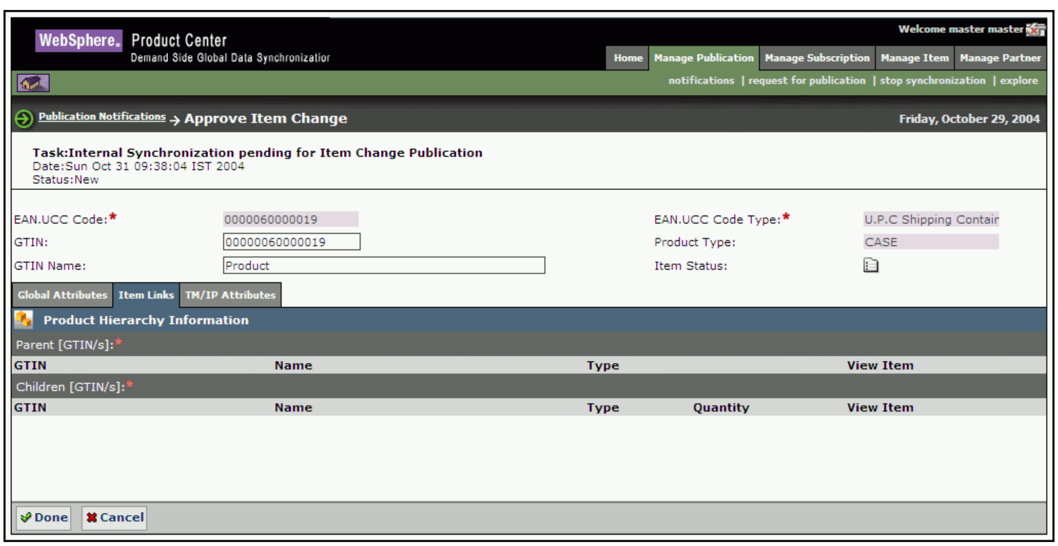
To synchronize a New Item Publication:

1. Under the *Manage Item* tab view, click on **Item Change Request** tab. The *Item Change Request* tab view is displayed.




*Manage Item – Item change Request*

2. Click on the notification “New Item Publication Synchronization Pending”. The details of the item are displayed.




*New Item Publication – Internal Synchronization*

3. You can view the details of item under the **Global Attributes, Item Link, TM/IP Attributes** tab.

4. To internally synchronize the item, click **Done**. The item will be internally synchronized. A notification "Internal Synchronization Completed" is sent to the appropriate user(s).

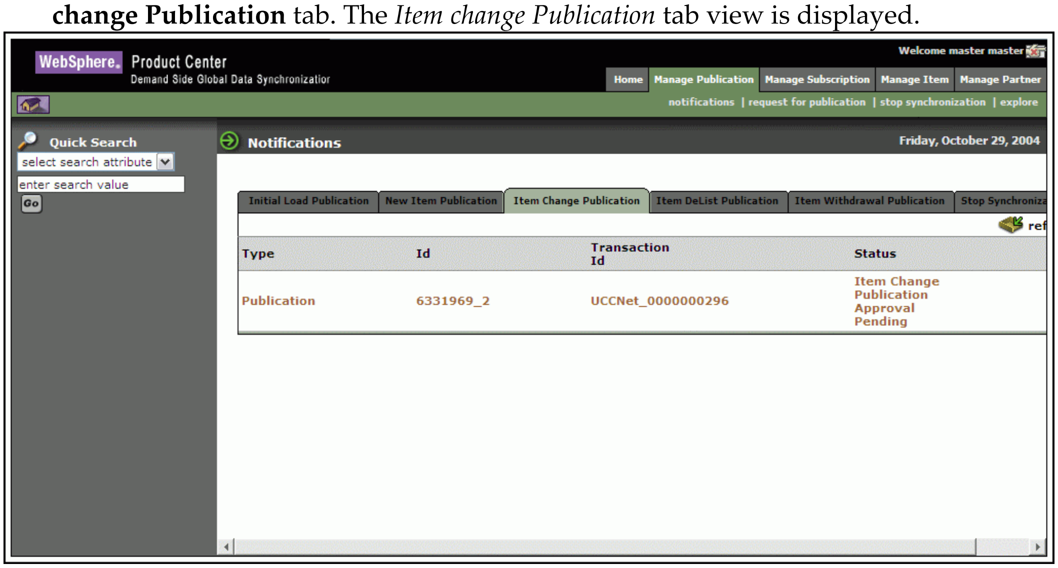
## Processing an Item Change Publication notification

When a changed item is published by the supplier, a notification "Item change approval pending" is displayed under the **New Item Publication** tab. The item has to go through the following steps.

- Item Change Approval
- Item enrichment
- Item synchronization

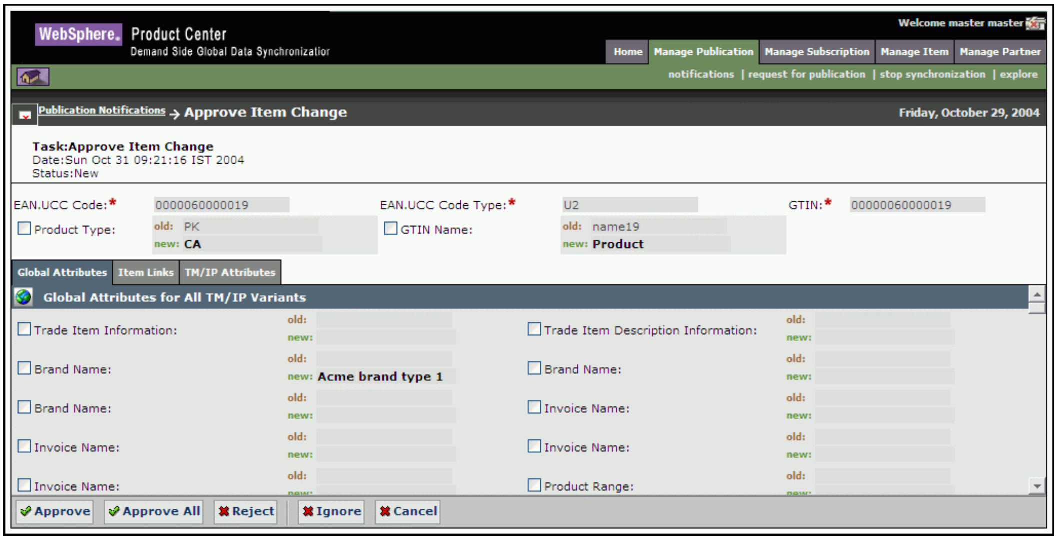
**To approve a changed item:**

1. Click on the **Notifications** link under **Manage Publication** tab. Then click on the **Item change Publication** tab. The *Item change Publication* tab view is displayed.




*Item Change Publication*

2. Click on the notification "Item change approval pending". The details of the item are displayed.



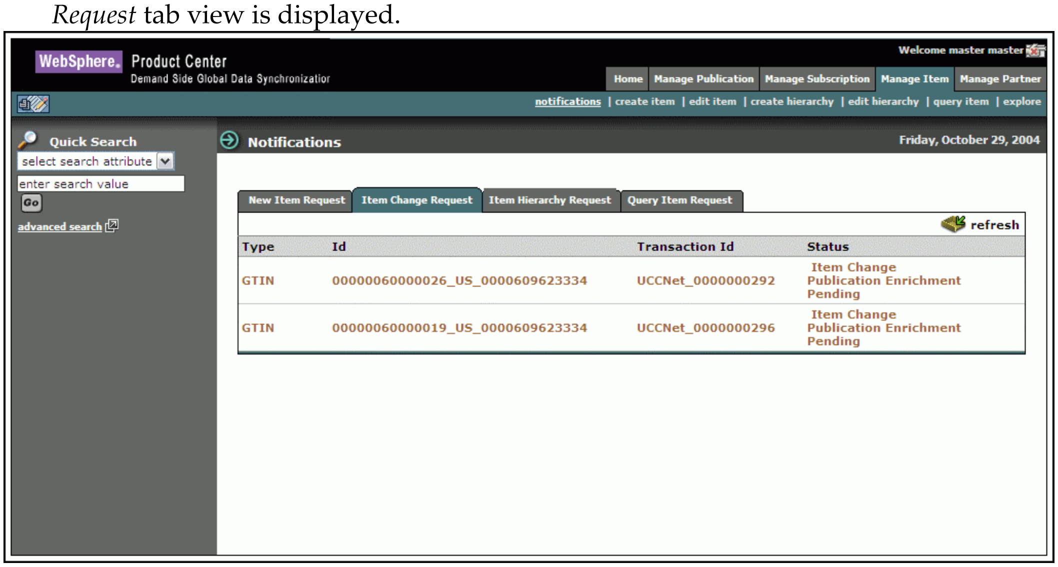
*Approve Item Change*

3. You can approve either selected attributes or you can approve all the attributes. If you do not want to approve all the attributes, select the attributes you want to approve and Click **Approve Selected**. If you want to approve the entire set of attributes click **Approve all**. A notification "Item Change Publication Enrichment pending" is sent to the appropriate user(s). The notification can be viewed under *Manage Item->Item Change Request* tab view.

4. Click **Reject all** if you want to reject all the attributes.

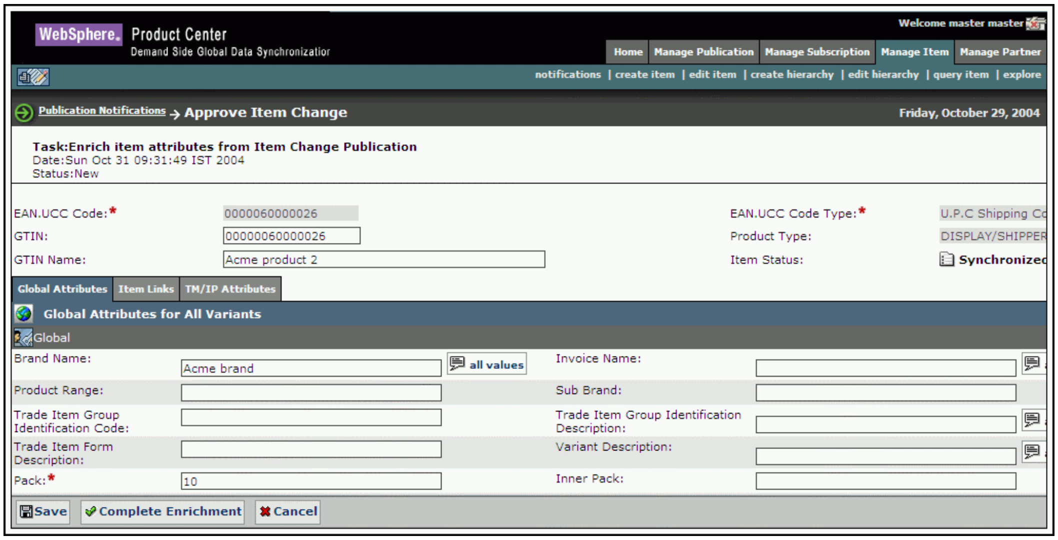
To enrich a changed Item:

1. Under the *Manage Item* tab view, click on **Item Change Request** tab. The *Item Change Request* tab view is displayed.



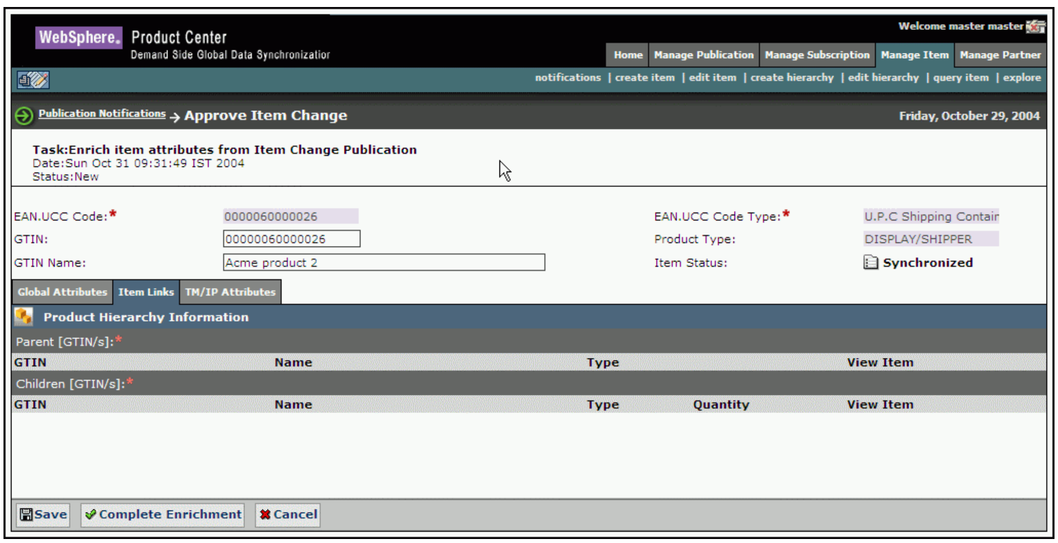
*Manage Item – Item change Request*

2. Click on the notification "Item Change Publication Enrichment Pending". The details of the item are displayed.



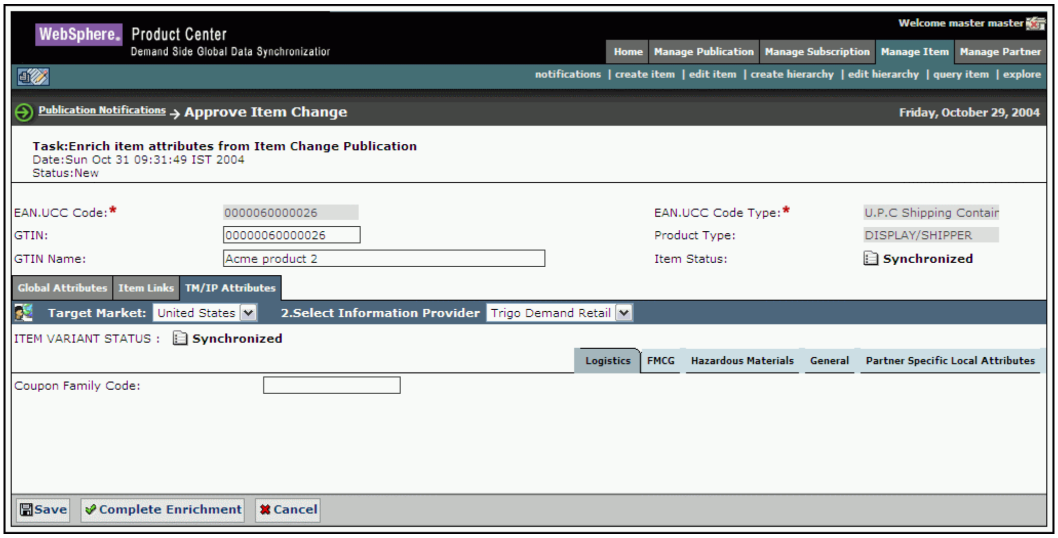
*Item change Enrichment*

3. Enter the values for various fields under the **Global attributes** tab.



*Item change Enrichment - Enrich Item Links*

4. Under the *Item Links* tab view the hierarchy existing for that particular Item is displayed.




*Item Change Publication – Enrich Variant Attributes*

5. Under the variant attributes tab, enter the values for fields under the **Logistics**, **General**, **Hazardous Materials** and **Partner Specific Local Attributes** tab.

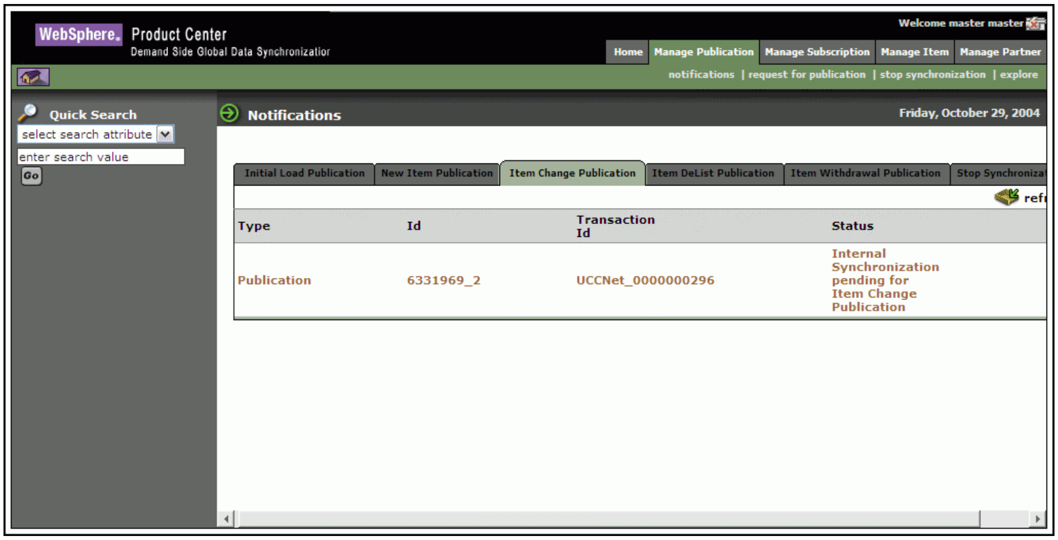
Note: For a detailed description of all the Trade Item attributes refer to UCCnet attribute starter Kit--*Attribute Starter Kit (UCCnet Mandatory XSD Attributes) 012904.pdf*

6. To complete the enrichment process, click **Complete Enrichment**. A notification "Internal Synchronization Pending for Item Change Publication" is sent to the appropriate user(s). The notification can be viewed under the *Manage Publications->Item Change Publications* tab view.

### Synchronizing an Item Change publication

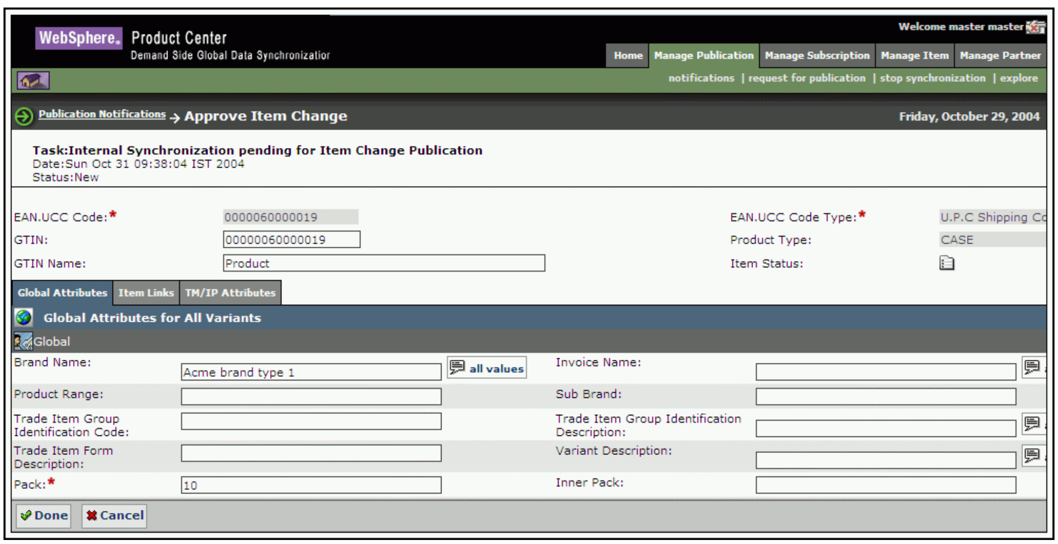
To synchronize an Item Change Publication:

1. Under the *Manage Item* tab view, click on **Item Change Request** tab. The *Item Change Request* tab view is displayed.




*Manage Item – Item change Request*

2. Click on the notification “Internal Synchronization Pending for Item Change Publication”. The details of the item are displayed.




*Item Change Publication – Internal Synchronization*

3. You can view the details of item under the **Global Attributes, Item Link, TM/IP (Variant Attributes)** tab.

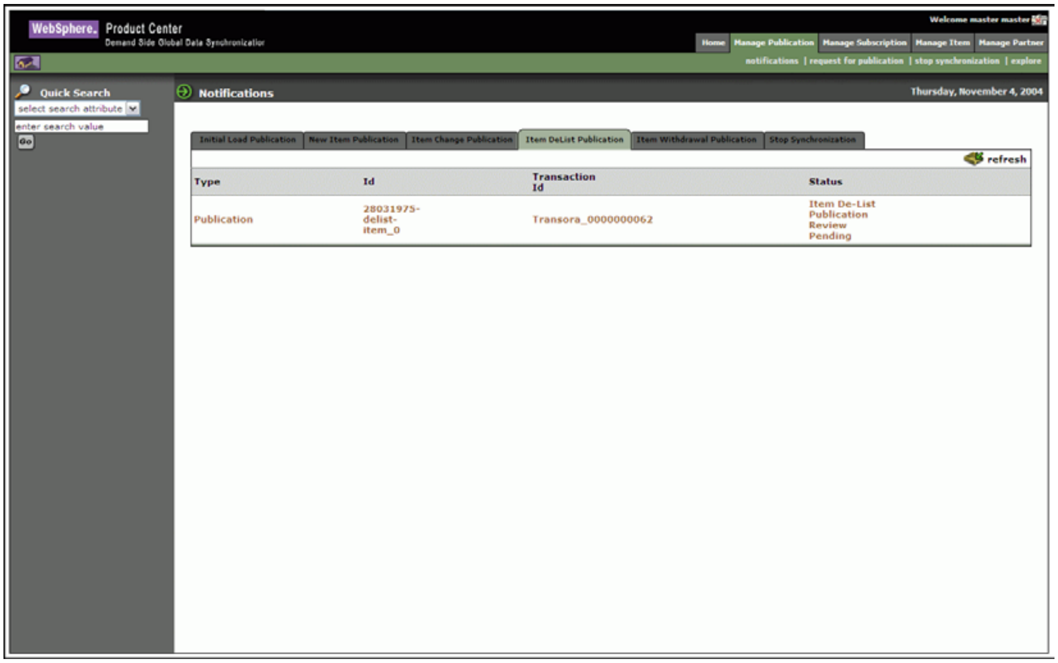
4. To internally synchronize the item, click **Done**. The item will be internally synchronized. A notification “Internal Synchronization Completed” is sent to the appropriate user(s).

## Processing an Item Delist Publication

To review an Item Delist Publication:

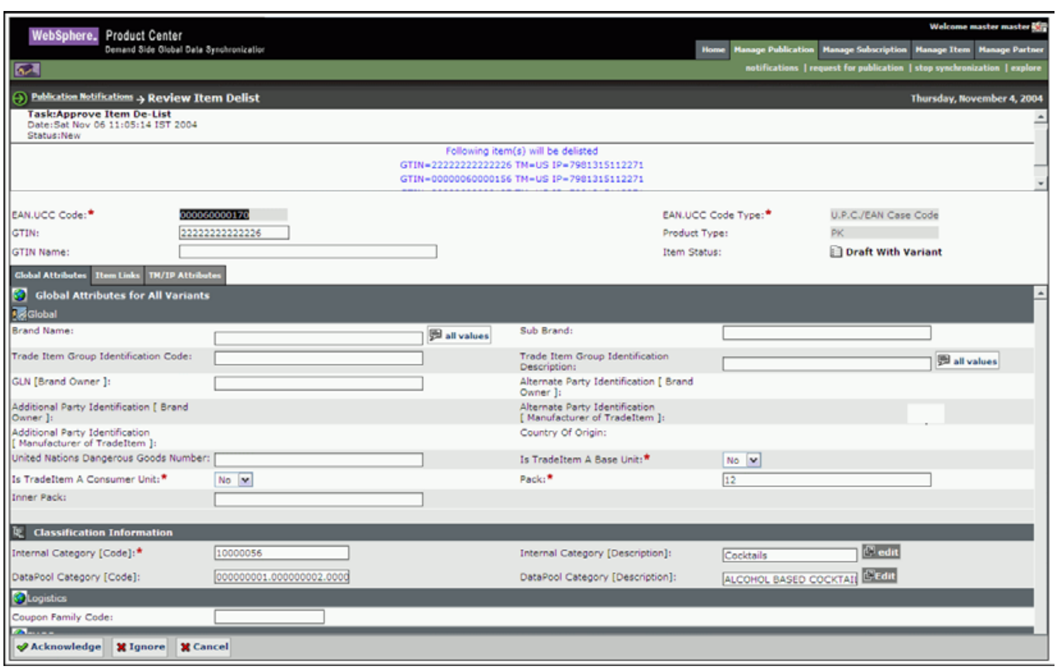
When you receive an item delist publication it goes through a validation process. If the item passes the validation process, then a notification “Item Delist review Pending” is sent to the appropriate user(s).

1. Click on the **Notifications** link under the **Manage Publication** tab. Click on the **Item DeList Publication** tab. The *Item DeList Publication* tab view is displayed.




*Manage Items - >Item Delist Publication*

2. Click on the “Item DeList review Publication Pending” notification. The details of the publication are displayed.



*Approve Item Delist*

3. When an item is delisted, all the child links and the parent links for that particular item will be delisted.

4. Click **Acknowledge** to accept the delist publication. A message is sent to UCCnet data pool services rejecting any more publications for that particular item.

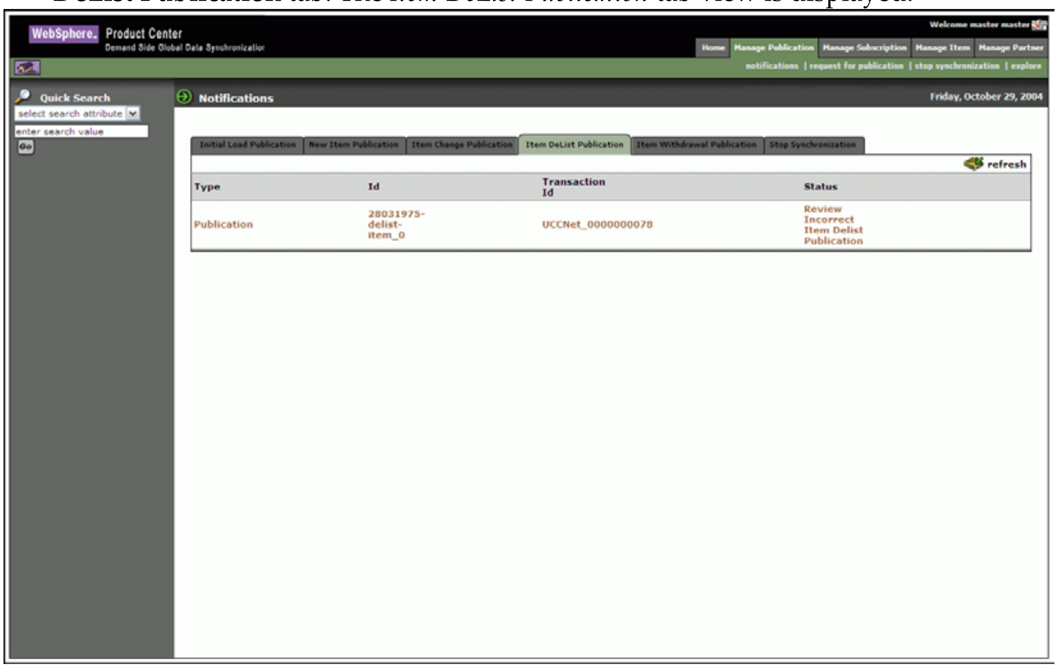
5. Click **Ignore** to ignore the delist notification. The notification will be deleted and no message will be sent to UCCnet data pool services.

6. Click **Cancel** to go back to the notification screen.

If the delist publication fails validation, a notification "Review Incorrect delist publication" is sent to the appropriate user(s).

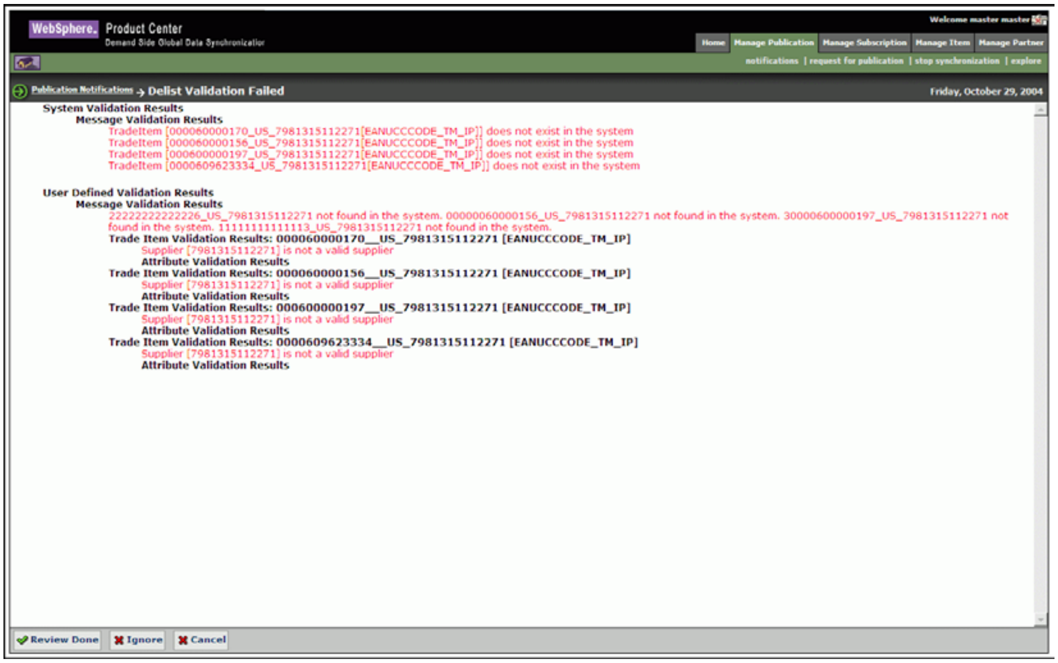
To review a failed delist publication

1. Click on the **Notifications** link under the **Manage Publication** tab. Click on the **Item DeList Publication** tab. The *Item DeList Publication* tab view is displayed.




*Manage Items - >Item Delist Publication*

2. Click on the "Review Incorrect Item Delist Publication" notification. The details of the publication are displayed.



*Delist Validation Failed*

3. Click **Review Done** to complete the review. A validation failed message is sent to UCCnet data pool services with the failure details.

4. Click **Ignore** to ignore the delist notification. The notification will be deleted and no message will be sent to UCCnet data pool services.

5. Click **Cancel** to go back to the notifications screen.

Note: The user validation process can be turned off in the IBM Global Data Synchronization for WebSphere Product Center configuration. The item delist publication will not go through any validation process.

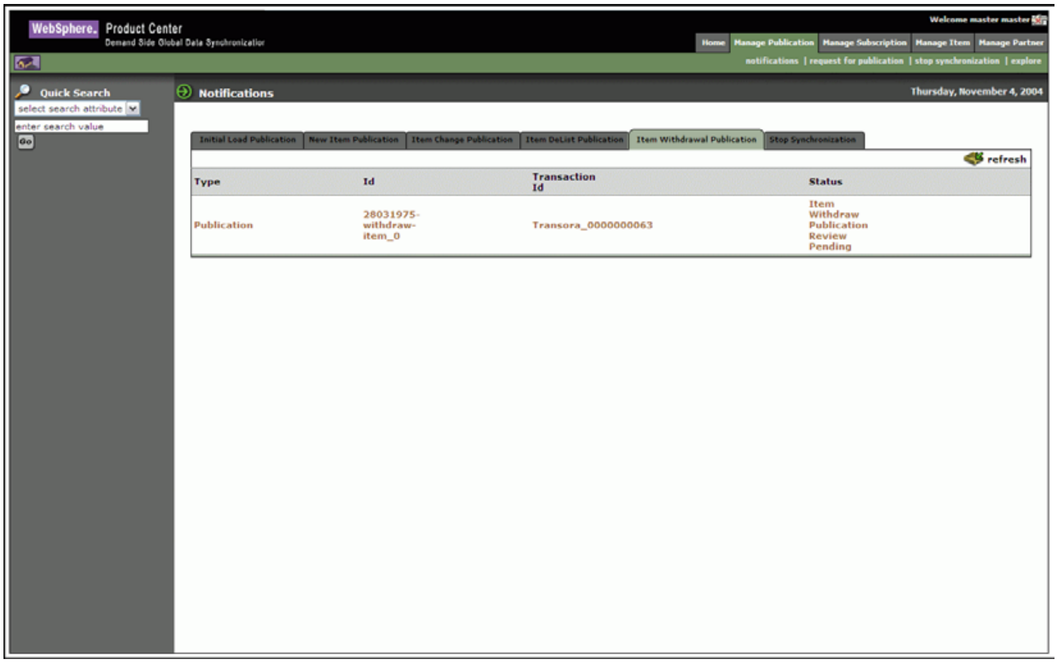
## Processing an Item Withdraw Publication

When a supplier temporarily withdraws the item from the registry, then an Item withdraw publication is sent to all users who have subscribed for that particular item.

To review an Item withdrawal Publication:

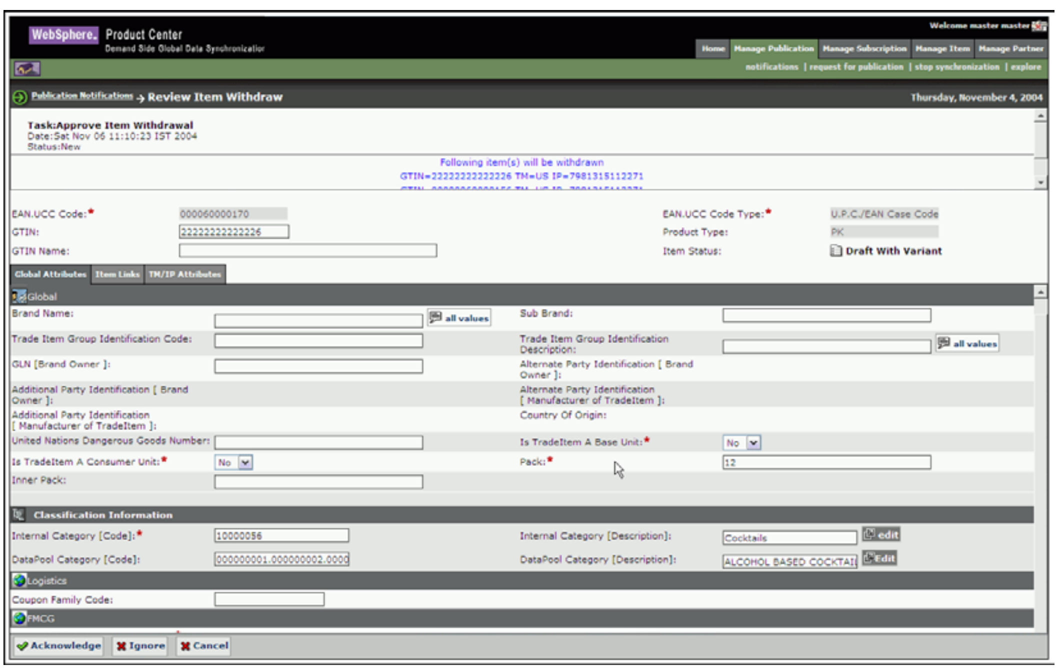
When you receive an item is withdraw publication, it goes through a validation process. If it passes the validation process, then a notification "Item Withdraw Publication Review Pending" is sent to the user.

1. Click on the **Notifications** link under the **Manage Publication** tab. Click on the **Item DeList Publication** tab. The *Item DeList Publication* tab view is displayed.




*Manage Items - >Item Withdrawal Publication*

2. Click on the "Item Withdrawal Publication Review Pending" notification. The details of the publication are displayed.




*Approve Item Withdrawal*

3. When an item is withdrawn, all the child links and the parent links for that particular item will be withdrawn.

4. Click **Acknowledge** to accept the withdrawn publication. A message is sent to UCCnet data pool services rejecting any more publications for that particular item.

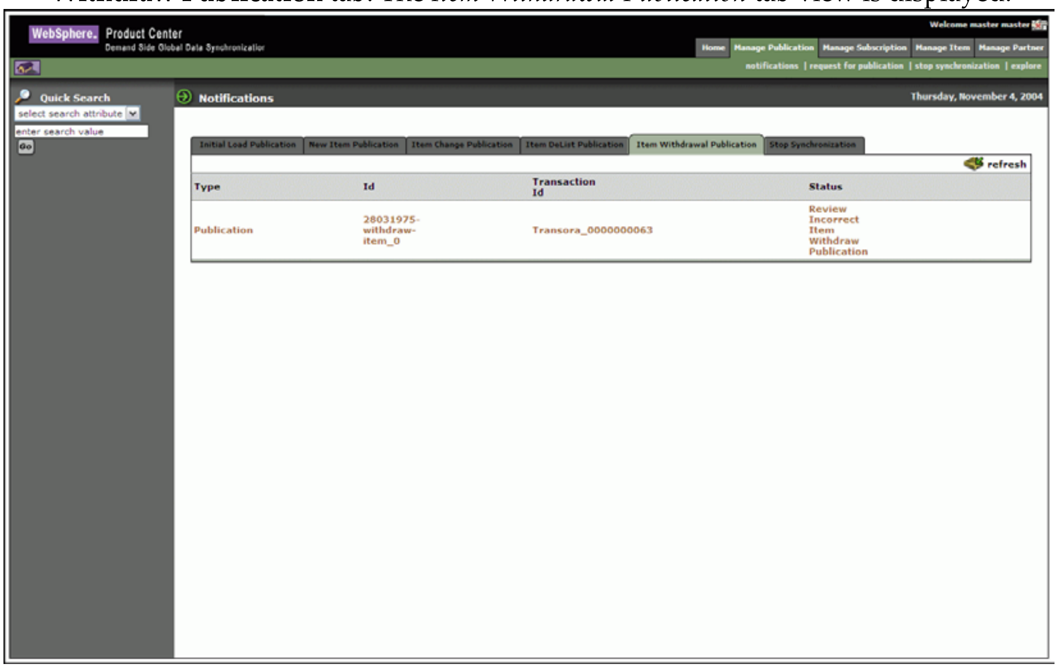
5. Click **Ignore** to ignore the withdrawn notification. The notification will be deleted and no message will be sent to UCCnet data pool services.

6. Click **Cancel** to go back to the notifications screen.

If the item withdraw publication fails validation, a notification "Review Incorrect withdraw publication" is sent to the appropriate user(s).

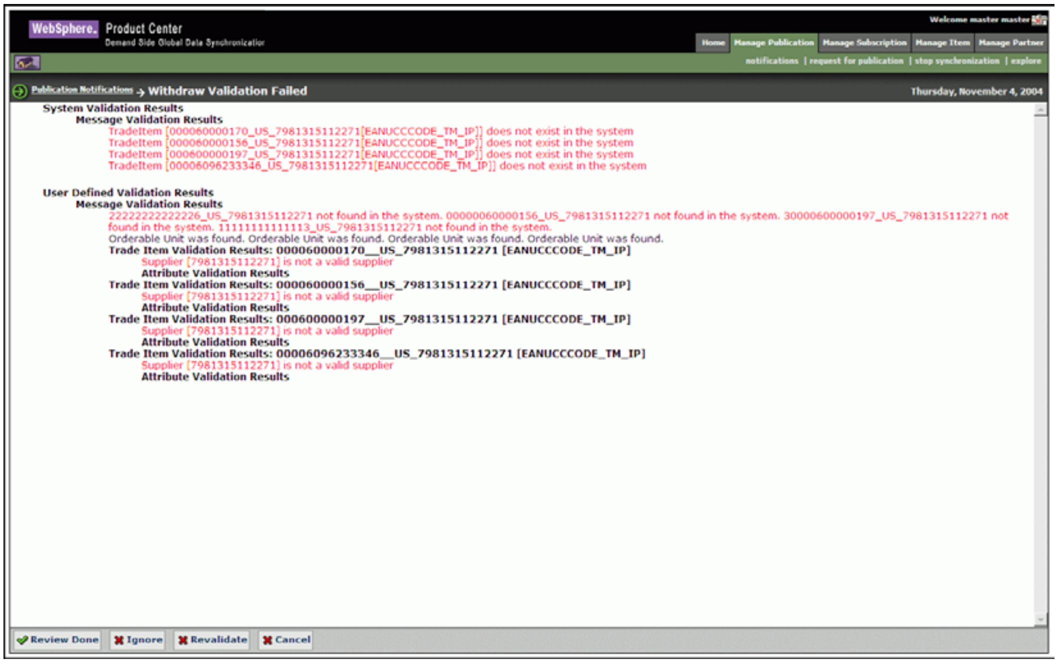
To review a failed withdraw publication:

1. Click on the **Notifications** link under the **Manage Publication** tab. Click on the **Item Withdraw Publication** tab. The *Item Withdrawal Publication* tab view is displayed.




*Manage Items - >Item Withdrawal Publication*

2. Click on the "Review Incorrect Item Withdraw Publication" notification. The details of the publication are displayed.




*Withdraw Validation Failed*

3. Click **Review Done** to complete the review. A validation failed message is sent to UCCnet data pool services with the failure details.

4. Click **Ignore** to ignore the withdraw notification. The notification will be deleted and no message will be sent to UCCnet data pool services.

5. Click **Revalidate** to revalidate the publication.

6. Click **Cancel** to go back to the notifications screen.

Note: The user validation process can be turned off in the IBM Global Data Synchronization for WebSphere Product Center configuration. The item withdraw publication will not go through any validation process.

# Ch 5 Manage Subscriptions and Filters

This chapter describes the various tasks related to managing subscriptions and filters within the IBM Global Data Synchronization for WebSphere Product Center application.

**Subscriptions**

Subscription is a message used to establish a request for the update of trade item information for a data recipient on a continuous basis within Global Data Synchronization Network.

Subscriptions can be made based on any one of the following criteria-- GTIN, Category of the item, GLN of Information Provider and Category of the item, Target Market. Subscriptions remain valid until they are deleted.

In the IBM Global Data Synchronization for WebSphere Product Center application, you can subscribe to receive item information related to a particular GTIN from the manufacturer. You can view the GTINs that you have subscribed to.

You can add, delete subscriptions. You can edit a subscription that has not yet been added to the data pool.

**Filters**

Filters are also used as a criterion for subscription. However if a subscription is made based on a filter, the filter criterion overrides the other subscription criteria.

You can create a filter based on any one of the following criteria -- GTIN, Category of the item, GLN of Information Provider and Category of the item, Target Market.

As in the case of subscriptions, filters are created in IBM Global Data Synchronization for WebSphere Product Center and added to the UCCnet data pool.

You can add, edit and delete filters.

. Topics:

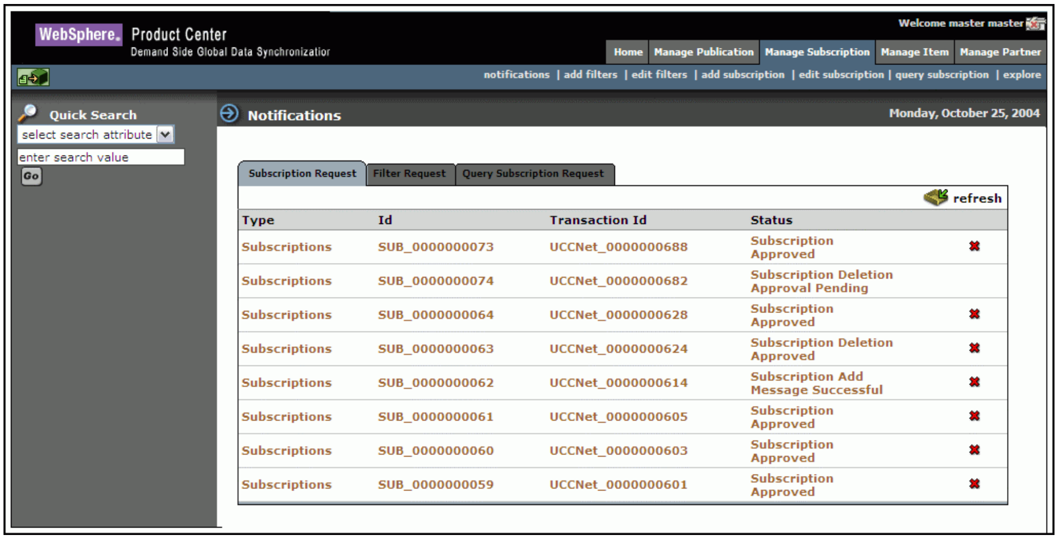

- View Notifications
- Create Filter
- Edit Filter
- Delete Filter
- Create Subscription
- Edit Subscription
- Delete subscription
- Query Subscription
- Explore Subscriptions and Filters


### *View Notifications*

You can view all notifications related to subscriptions in the *Notifications* page. This page contains the following tabs:

- Subscription Requests
- Filter Requests
- Query Subscription Requests

To view the list of notifications for each, click on the corresponding tab. The *Subscription Request* tab view is displayed by default.




*Manage Subscription – Subscription Request*

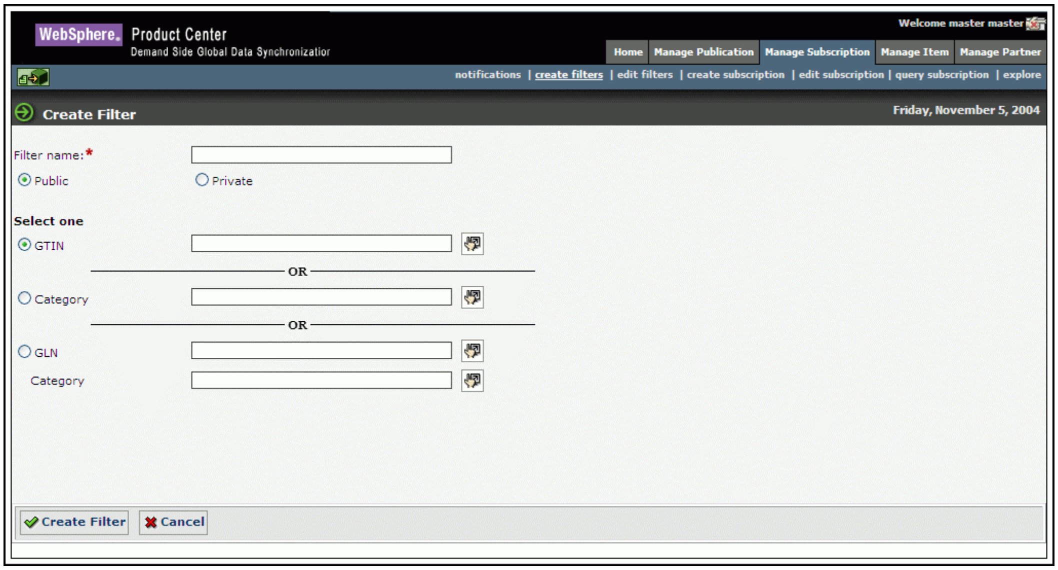
To view the details of a notification, click on the notification message. The details of that notification are displayed.

Notifications that are for information only can be viewed and dismissed. To remove the notification from the list, click on the **Delete** icon.

## *Create Filter*

To create a filter:

1. In the *Manage Subscription* tab view, click on the **create filter** link. The *Create Filter* page is displayed.




*Manage Subscriptions – Create Filter*

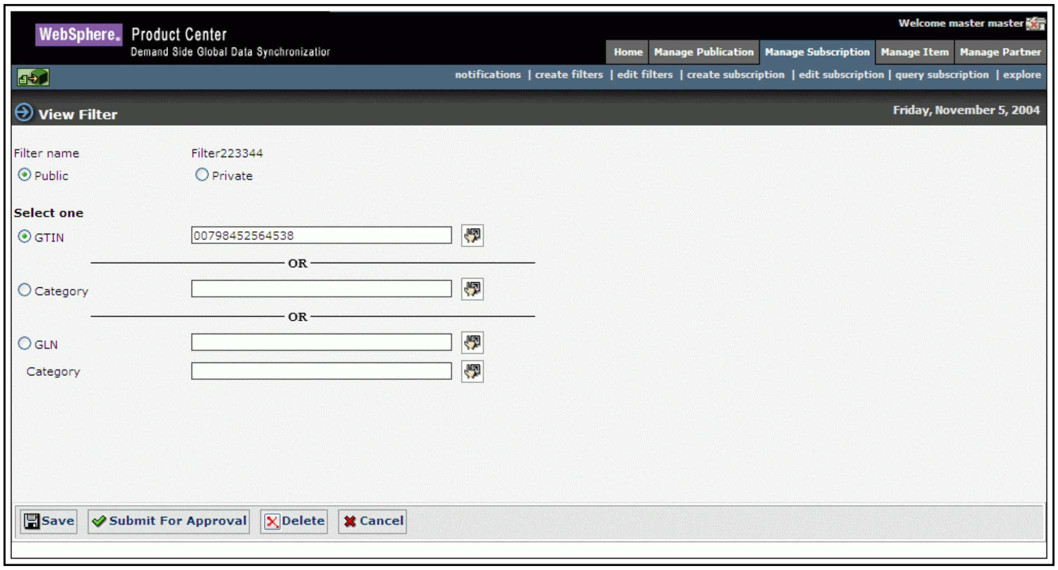
2. In the Filter name field, type a name for the filter.

3. Select the option **Public** or **Private**.

Note: When you choose Public, users of other companies will also be able to access the filter. If you choose Private, the filter will be accessible only by users of your company.

4. Specify one of the following options:
   a. Select **GTIN**. Using the **Lookup** icon select a GTIN. The selected GTIN is displayed in the text box.
   b. In the **Category** field, specify the category for the GTIN using the **Lookup** icon.
   c. You can also choose to create a filter based on a particular category for a particular target market. You will have to specify both **Category** and **GLN**. Specify the GLN using the **Lookup** icon.

5. Click **Create Filter**. A page displaying the details of the filter is displayed.




*Create Filter – View Filter*

6. To submit the filter for approval, click **Submit For approval.** The notification message "Filter Approval Pending" is sent to the appropriate user. This notification is displayed in the *Filter Requests* tab view.

7. If you want to save the filter as a draft click **Save**.

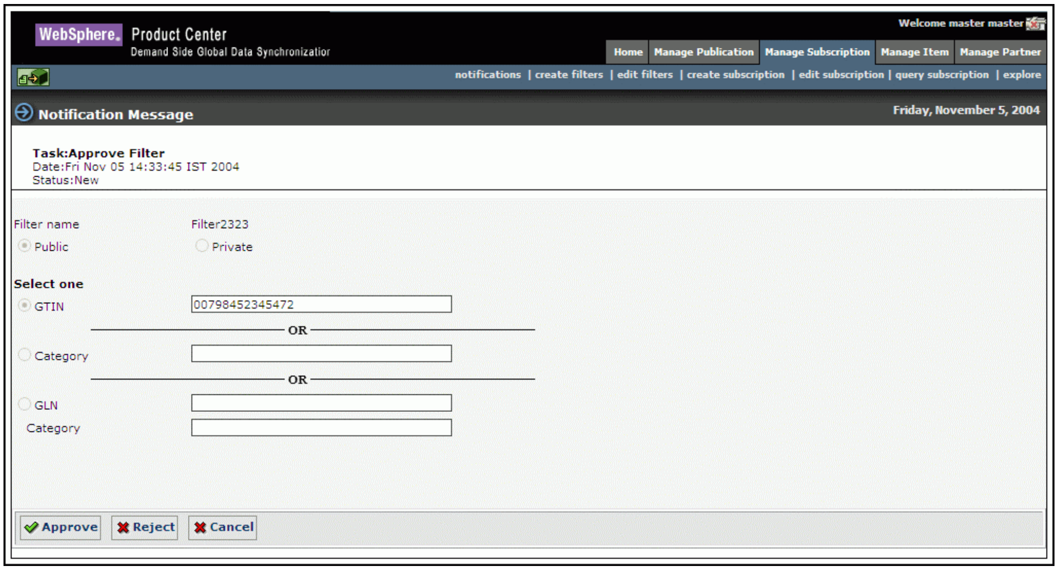
8. To delete the filter click **Delete**. For more information on deleting filters refer to the Delete Filters Section

9. Click **Cancel** to exit the page.

## Approve Filter

To approve a new filter:

1. Click on **Manage Subscriptions** tab. Click on the **notifications** link. In the *Filter Requests* tab view, click on the notification message "Filter Approval Pending". The details of the filter are displayed.




*Approve Filter*

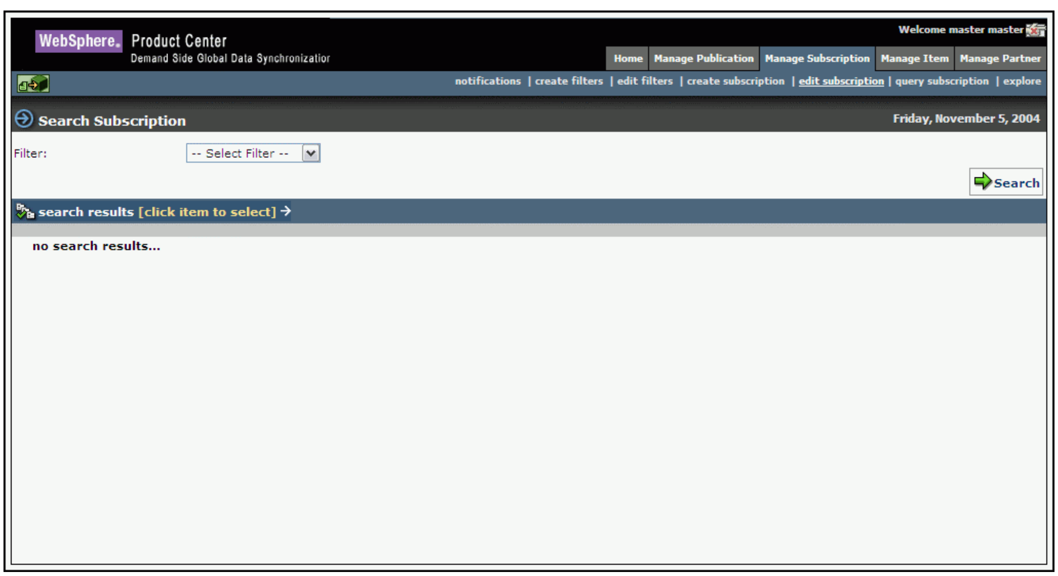
2. Click **Approve**. The filter is approved and the notification message “Filter Approved” is sent to the appropriate user.

3. To reject a filter, click **Reject**. The notification message “Filter Rejected” is sent to the appropriate user. This notification is displayed in the *Filter Requests* tab view.

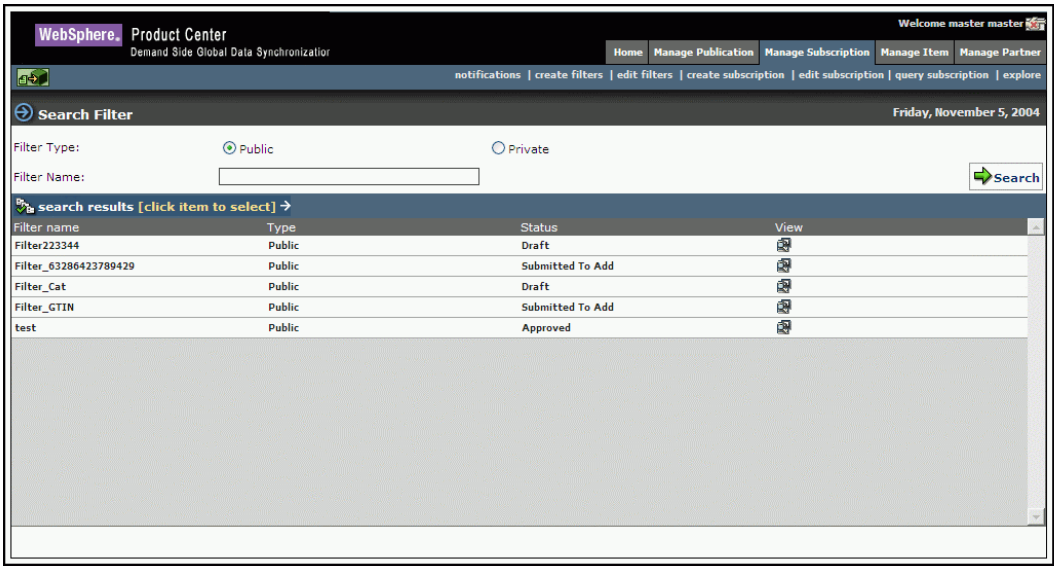
4. Click **Cancel** to exit without making any changes.

## Add a filter to the data pool

1. In the *Manage Subscription* tab view, click on the **edit filter** link. The *Edit Filter* page is displayed.

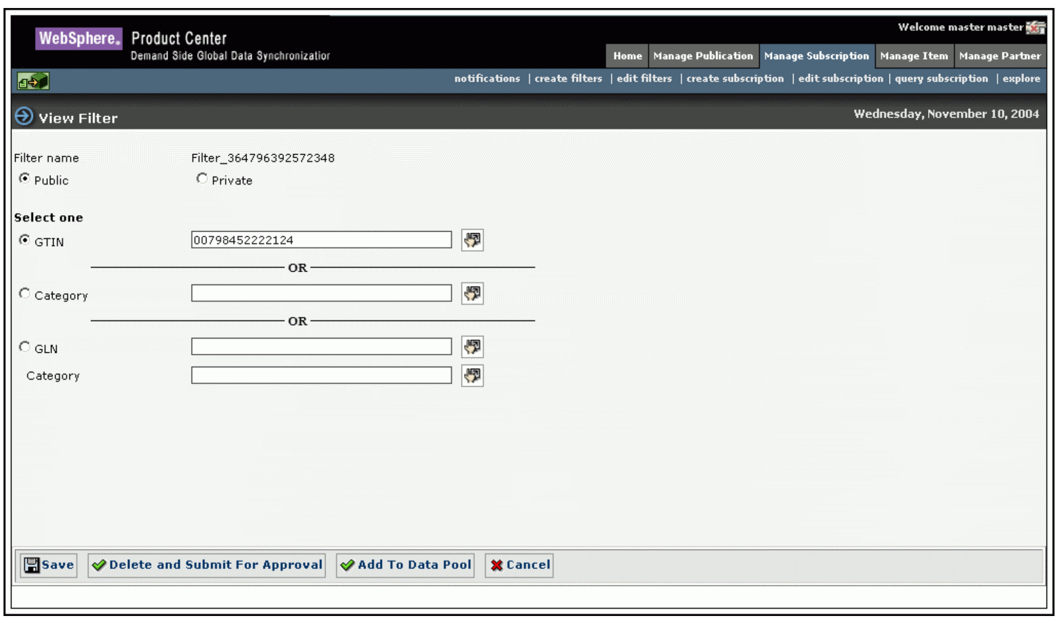


2. Search for the Filter that you want to add to the data pool. The search results are displayed in the **search results** area. For more information on performing search, refer the Search for items section in *Chapter 8- Search*



*Search Filter – Search Results*

3. Click on the filter you want to add to the data pool. The details of the filter are displayed.



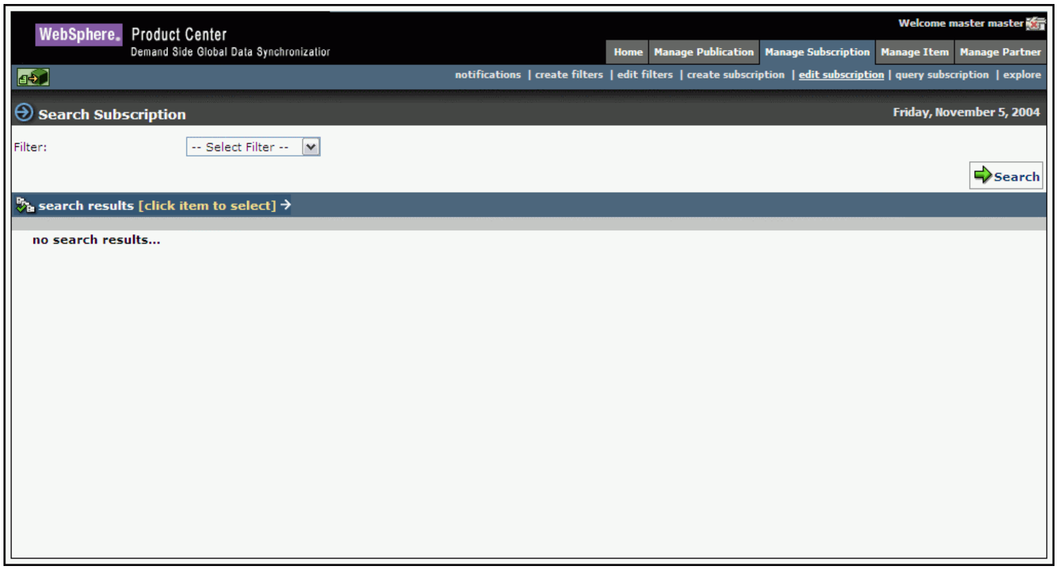
*View Filter Details*

4. Click **Add To Data Pool**. The filter will be added to the UCCnet data pool. The status of the item will be changed to "Submitted to Add".

### *Edit Filter*

To edit a filter:

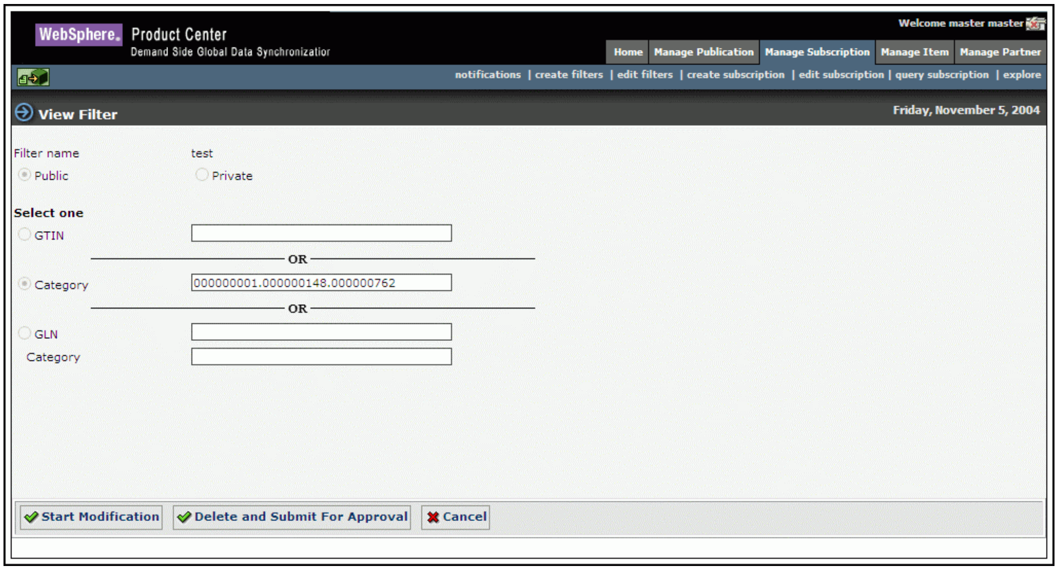
1. In the *Manage Subscription* tab view, click on the **edit filter** link. The *Edit Filter* page is displayed.




*Manage Subscription – Edit filter*

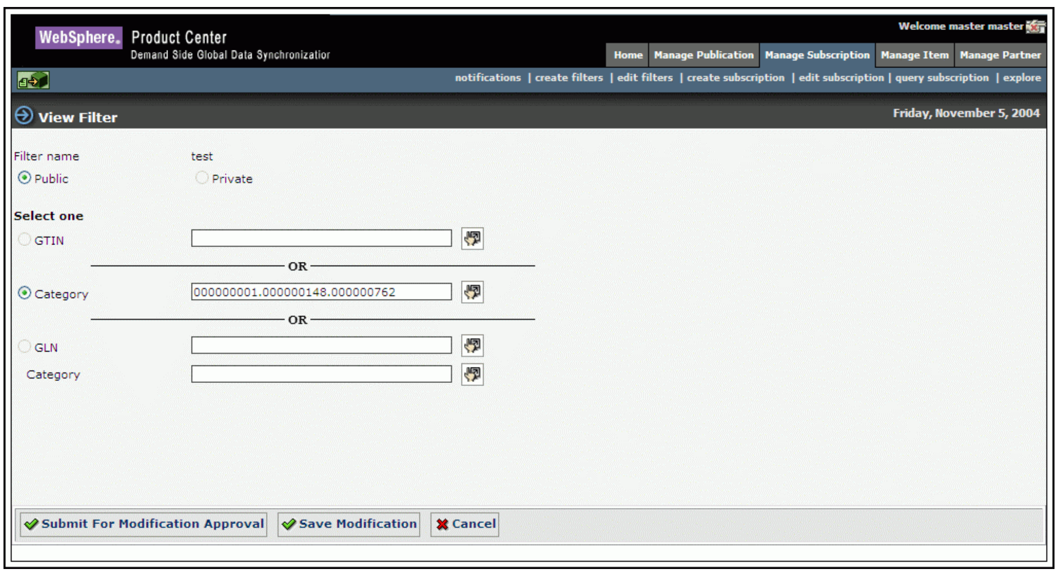
2. Search for the Filter that you want to edit. The search results are displayed in the **search results** area. For more information on performing search, refer the Search for filters section in *Chapter 8- Search*.

3. In the search results area, click on the displayed filter. The details of that filter are displayed.




*Edit filter – Filter Details*

4. Click **Start Modification** to make the changes. The filter modification screen is displayed



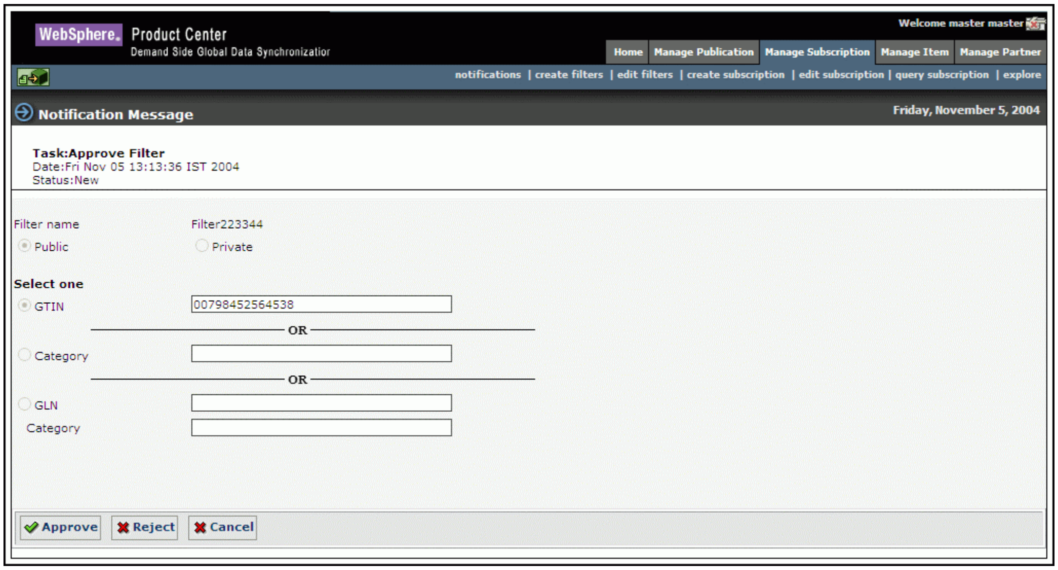

5. Type in the values for the fields that you want to make changes. Click **Submit Modification For Approval**. A notification "Filter Modification approval Pending" is sent to the appropriate user(s).

Note: You cannot modify then name and the type (public/private) of the filter.

## Approve Edited Filter

To approve an edited filter:

1. In the *Filter Request* tab view, click on the notification "Modify filter Approval Pending". The details of the filter are displayed.




*Filter Modification Approval*

2. To approve the filter, click **Approve**. The notification message "Modify Filter approved" is sent to the appropriate user(s).

3. To reject the item, click **Reject**. The notification message "Modify filter Rejected" is sent to the appropriate users(s).

4. The notifications are displayed in the *Filter Request* tab view.

5. Click **Cancel** to exit without making any changes.

### *Delete Filter*

A Filter can be deleted when it is any one of the following status:

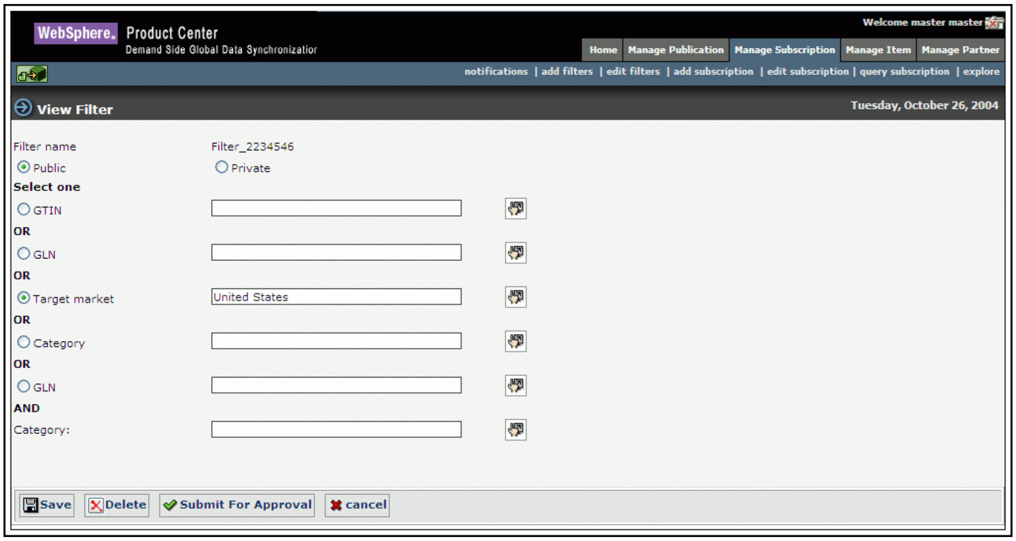
- Draft
- Approved
- Added

#### Delete Filter - Draft status:

1. Click on the **Edit Filter** link, the ***Search Filter*** page is displayed.

2. Search for the filter that you want to delete. For more information on search refer to the Search for Filters section in *Chapter 8 Search*.

3. From the search results select the filter you want to delete. If the Filter is in the "Draft" status, the details of the filter are displayed as shown in the following example.




*Delete filter – Filter in Draft Status*

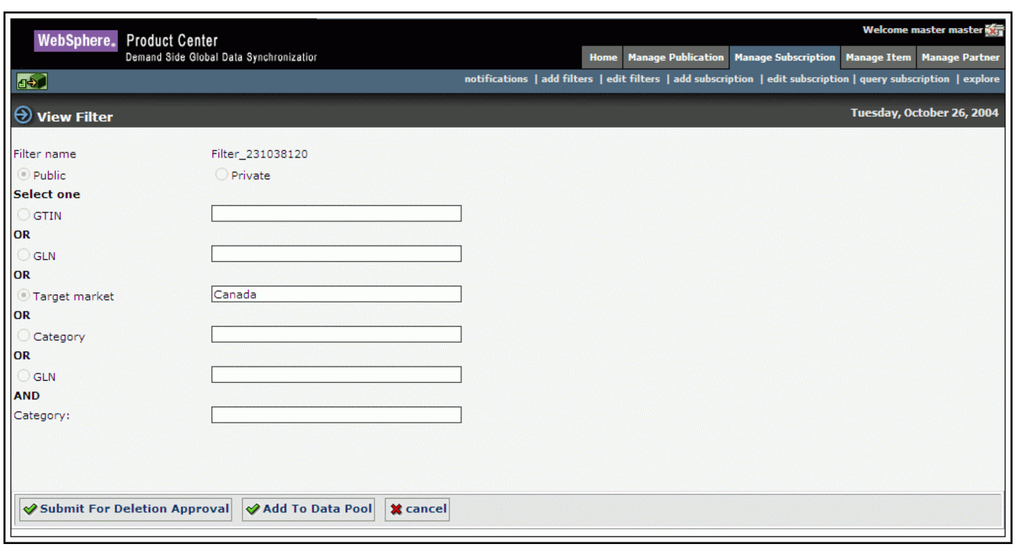
4. Click on **Delete** button. The filter is deleted.

## Delete filter - Approved status

1. Click on the Edit Filter link, the ***Search Filter*** page is displayed.

2. Search for the filter you want to delete. For more information on search refer to the Search for Filters section in *Chapter 8 Search*.

3. From the search results select the filter you want to delete. If the Filter is in the "Approved" status, the details of the filter are displayed as shown in the following example.



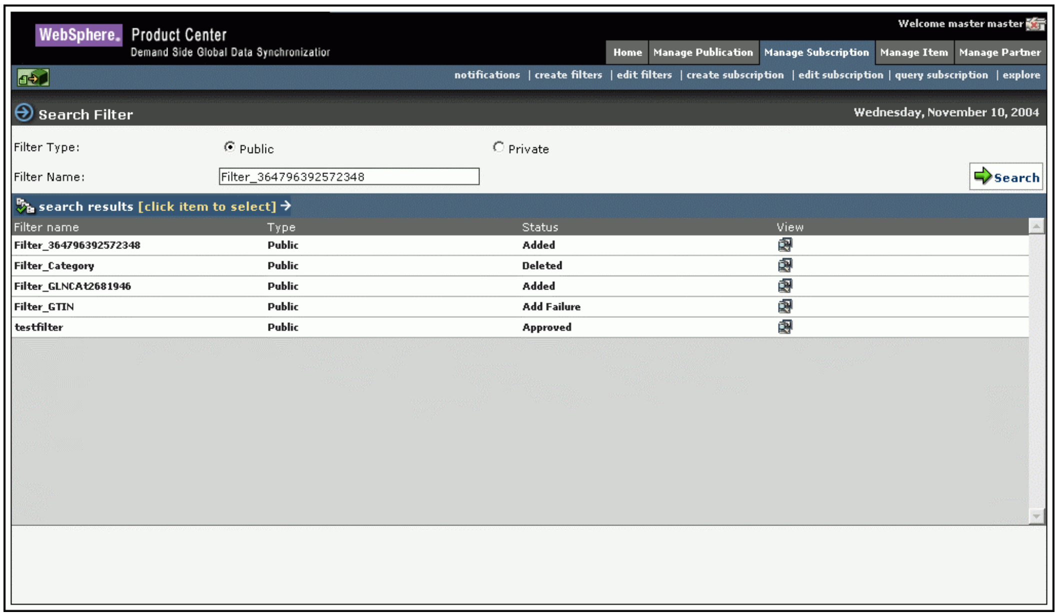

*Delete Filter – Filter in Approved Status*

4. Click on **Submit for Deletion Approval** button. A notification "Deletion approval pending" is sent to the appropriate users

## Delete filter - Added status

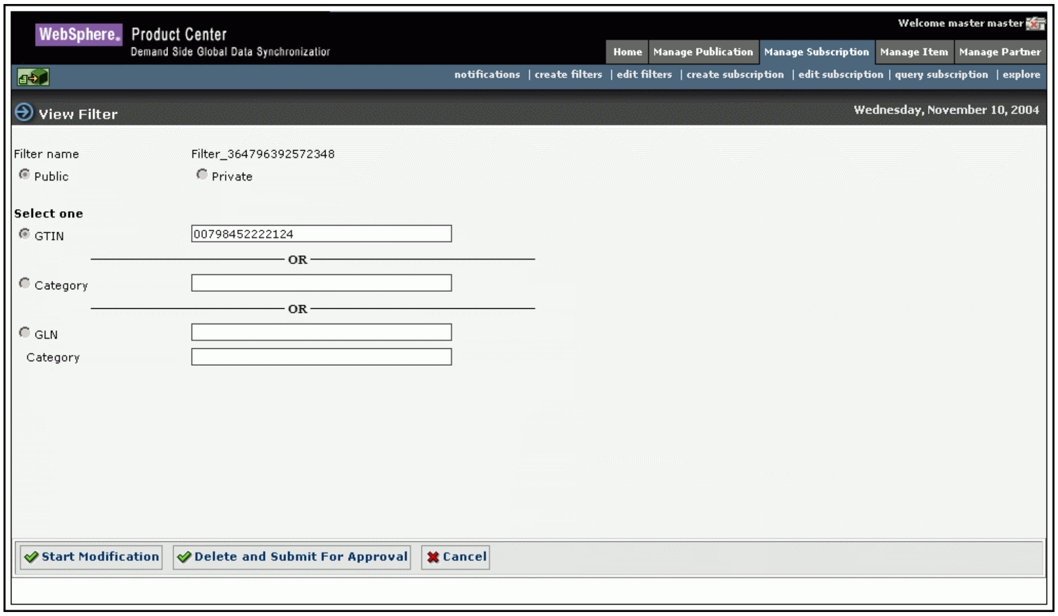
1. Click on the Edit Filter link, the ***Search Filter*** page is displayed.

2. Search for the filter you want to delete. For more information on search refer to the Search for Filters section in *Chapter 8 Search*.



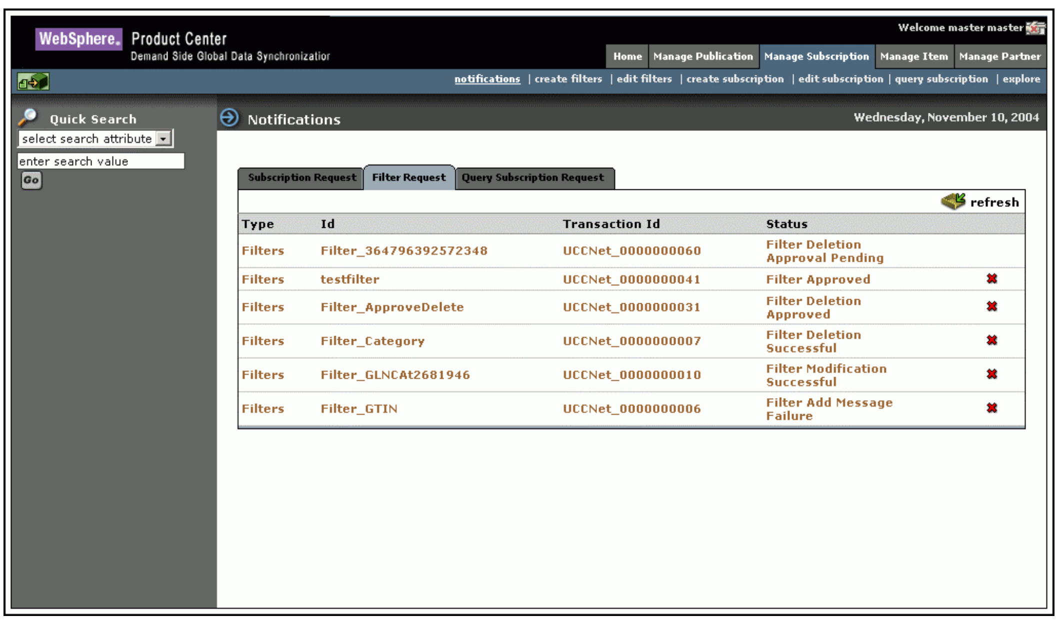

*Search Filters – Search Results*

3. From the search results select the filter you want to delete. From the search results select the filter you want to delete. If the Filter is in the "Added" status, the details of the filter are displayed as shown in the following example.



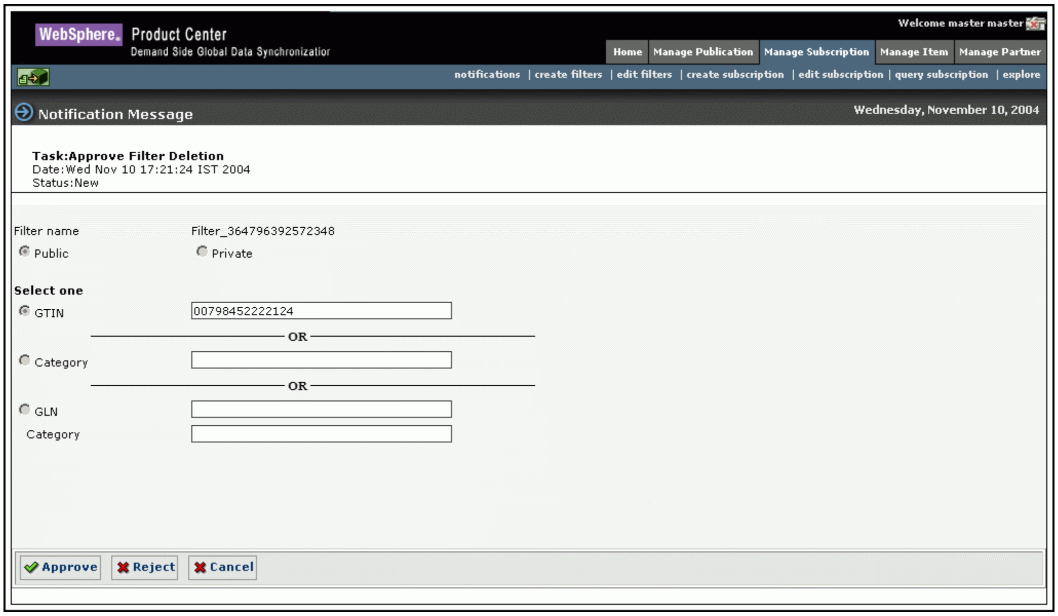
*Delete filter – Filter in Added Status*

4. Click **Delete and Submit for Approval**. A notification "Filter Deletion Approval Pending" is sent to the appropriate user(s). The notification appears under **Filter Requests** tab.



*Filter Requests Tab*

5. Click on the "Filter deletion approval Pending notification". The details of the filter are displayed.

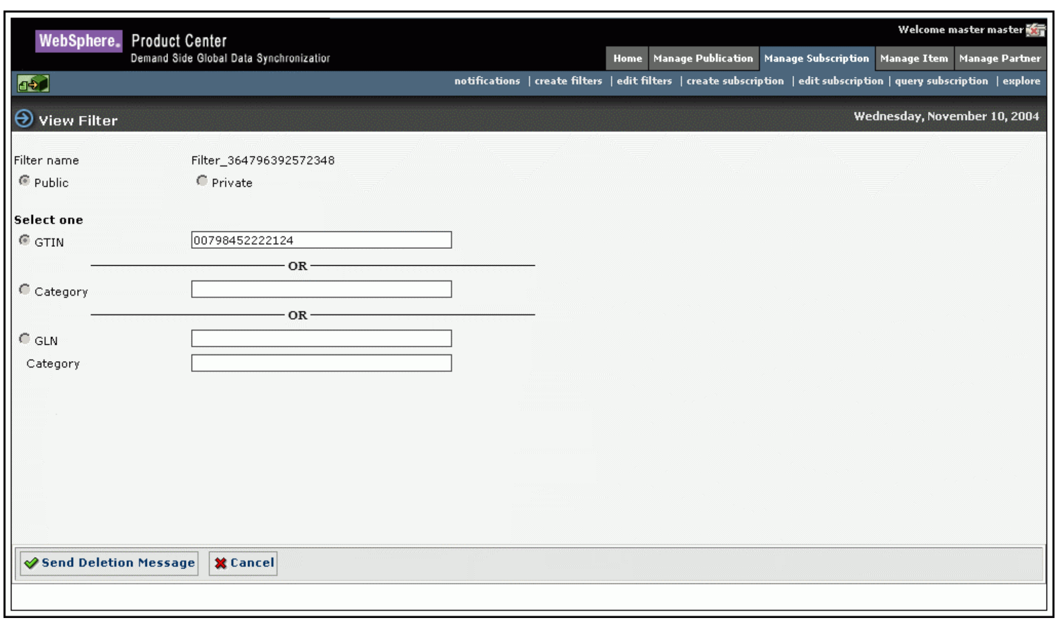



6. Click **Approve** to approve the filter.

7. Click **Reject** to reject the filter. A notification "Filter Deletion Rejected" is sent to the appropriate user(s).

8. Click **Cancel** to exit without making any changes.

9. If you click Approve, then the filter a screen to send deletion message to UCCnet data pool services is displayed.



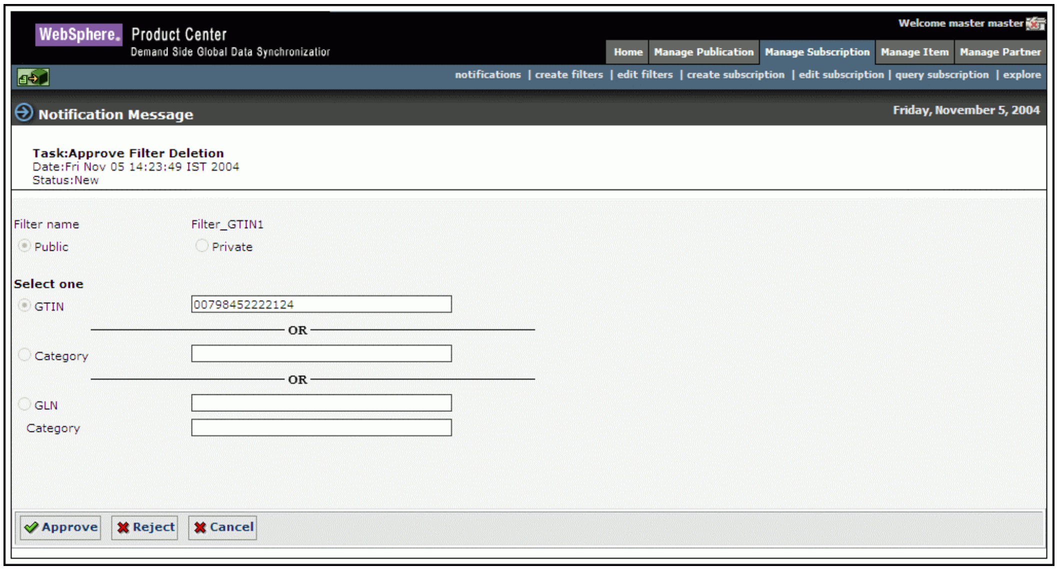

*View Filter – Send Deletion Message*

10. Click **Send Deletion Message**. A filter deletion message is sent to UCCnet data pool services.
11. Click **Cancel** to exit without making any changes.

### Approve Deleted Filter

To approve a deleted filter:

1. In the *Filter Request* tab view, click on the notification “Filter Deletion Approval Pending”. The details of the filter are displayed.




*Approve Filter Deletion*

2. To approve the deletion of the filter, click **Approve**. The notification message “Filter Deletion Approved” is sent to the appropriate user(s).

3. To reject the deletion of the filter, click **Reject**. The notification message “Filter Deletion Rejected” is sent to the appropriate users(s).

4. The notifications are displayed in the *Filter Request* tab view.

Note: When you delete a filter, it is locally deleted in the application. It will be permanently removed from the system only after the system administrator runs the purge scripts. The filter will no longer appear in the search results.
If you delete a filter that is already added to the UCCnet data pool, it appears in the search results with status “Deleted”.

## *Create Subscription*

You can create a subscription to be added the data pool, to receive publications for an item. The subscriptions can be based on any one of the following:

- GTIN – This should be a valid trade item number.

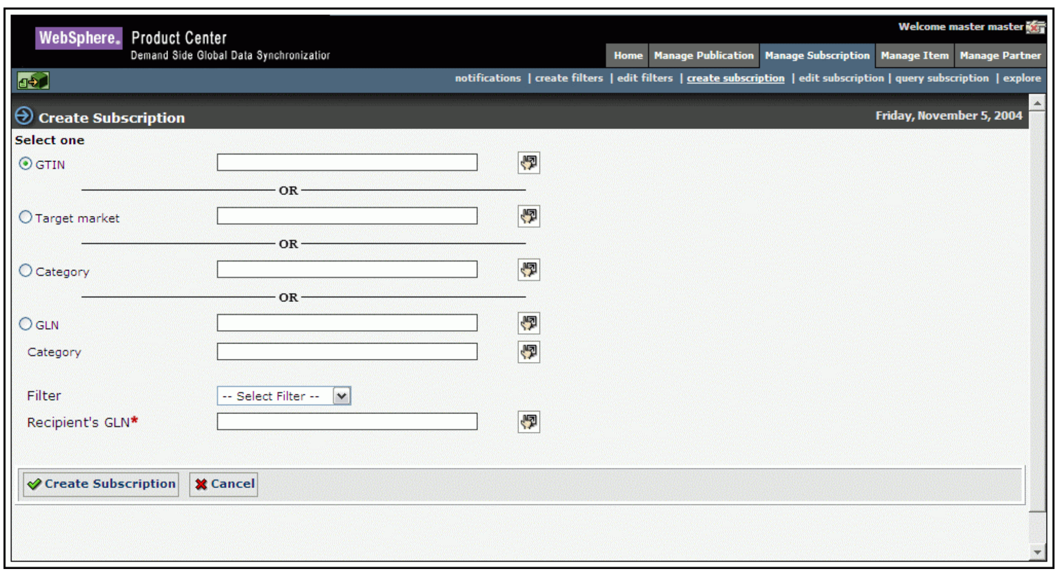
- GLN of Information Provider + Item Category – These should be a list of values that are already in the application.
- Target Market – This should be a valid target market number.
- Category – This should be a valid item category.

The IBM Global Data Synchronization for WebSphere Product Center application stores all the subscriptions that you have previously added to UCCnet data pool.

Note: If there is an existing record of the subscription in the UCCnet data pool, you get an error message saying that the there is a duplication of subscription.

To create a subscription:

1. In the *Manage Subscription* tab view, click on the **create subscription** link. The *Create Subscription* page is displayed.




*Manage Subscriptions – Add Subscription*

2. Specify one of the following options:

   d. Select **GTIN**. Using the **Lookup** icon select a GTIN. The selected GTIN is displayed in the text box.

   e. Select **Target Market.** Using the **Lookup** icon select a target market. The selected target market is displayed in the text box.

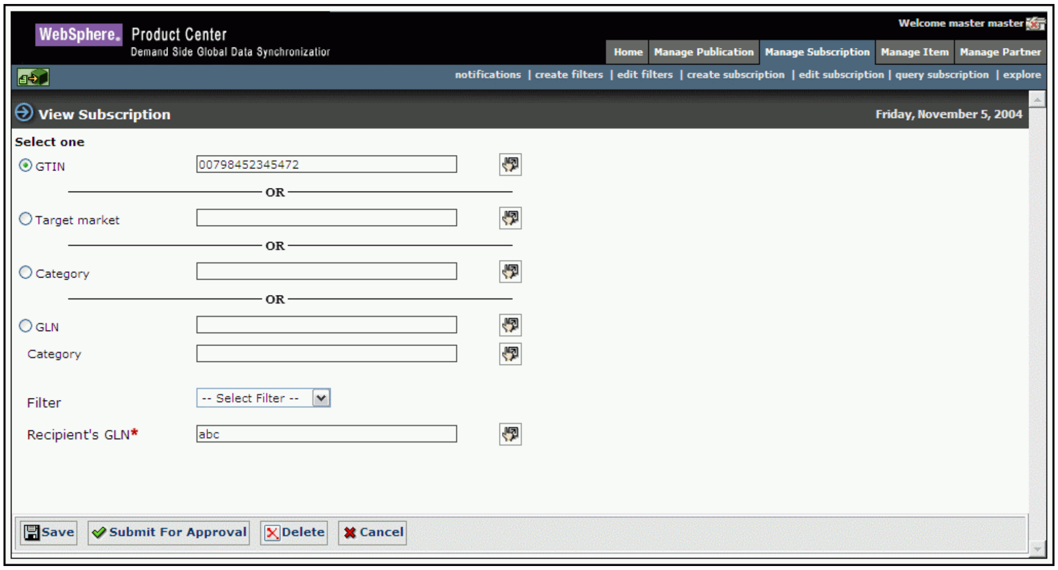
   f. You can also subscribe based on a particular GLN and Category combination. Using the **Lookup** icon select a GLN. The selected GLN is displayed in the text box. In the **Category** field, specify the category for the GTIN using the **Lookup** icon.

3. From the **Filters** drop-down menu, select a filter. Only those filter names that have been added to the data pool will be displayed in the drop down menu.

Note: The filter criterion overrides the other subscription criterion

4. In the **Recipient's GLN** field, specify the recipient's GLN.

5. Click **Create Subscription**. A subscription is created. No notifications are sent for the creation of a new subscription. The screen to submit the subscription for approval is displayed.



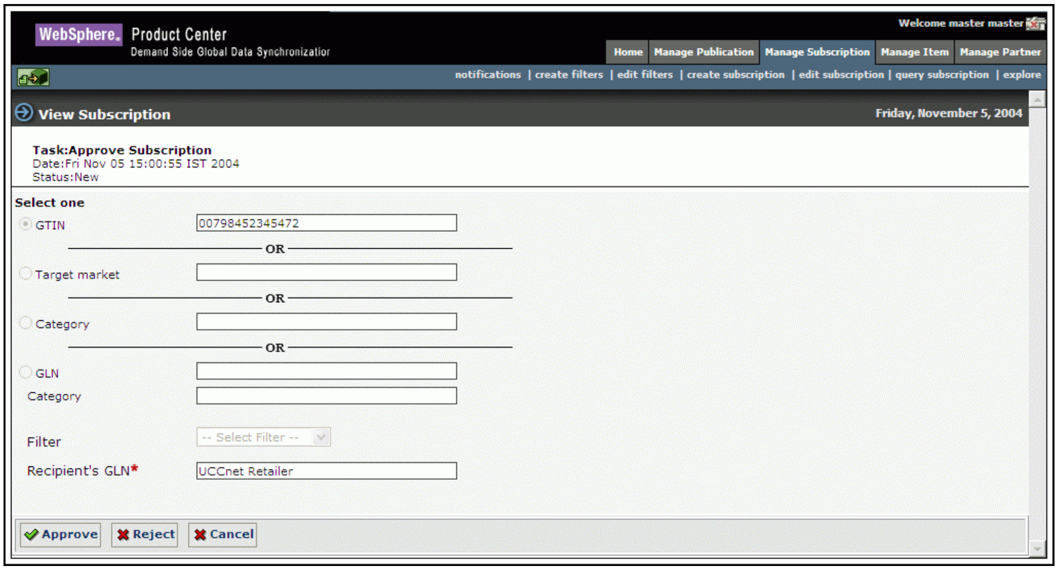

*Edit Subscription – Subscription Details*

6. Click **Submit For Approval**. A notification "Subscription Approval Pending" is sent to the appropriate user(s). The notification is displayed in the *Subscription Requests* tab view

## Approve a new subscription

To approve a new subscription:

1. In the *Subscription Request* tab view, click on the notification "Modify Subscription Approval Pending". The details of the subscription are displayed.




*Approve Subscription – Subscription Details*

2. To approve the subscription click **Approve**. The notification message "Subscription approved" is sent to the appropriate user(s).

3. To reject the item, click **Reject**. The notification message "Modify Subscription Rejected" is sent to the appropriate users(s).

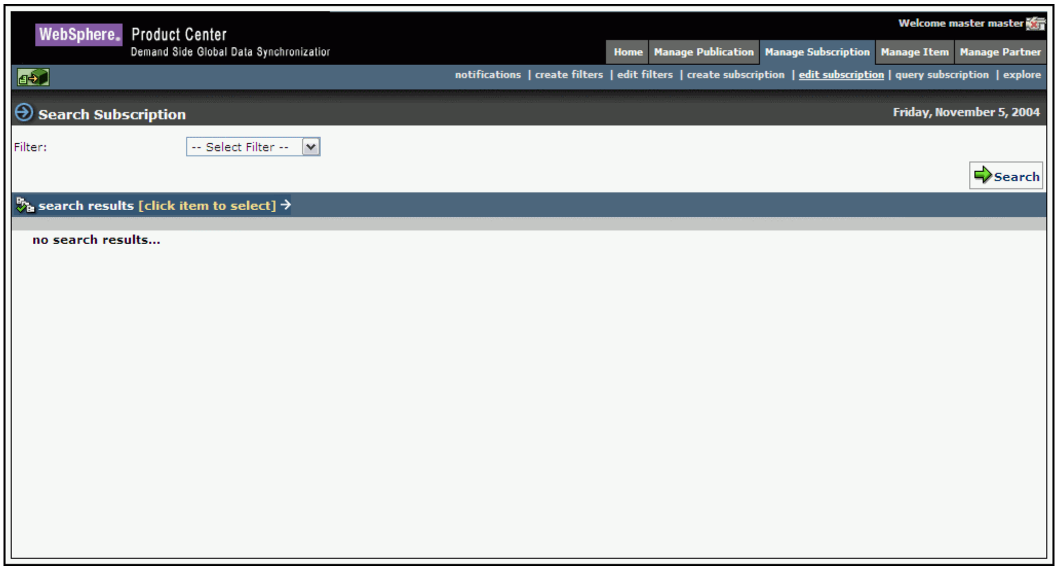
4. The notifications are displayed in the *Subscription Requests* tab view.

## Add a subscription to the Data Pool

You can add approved subscriptions into the data pool.

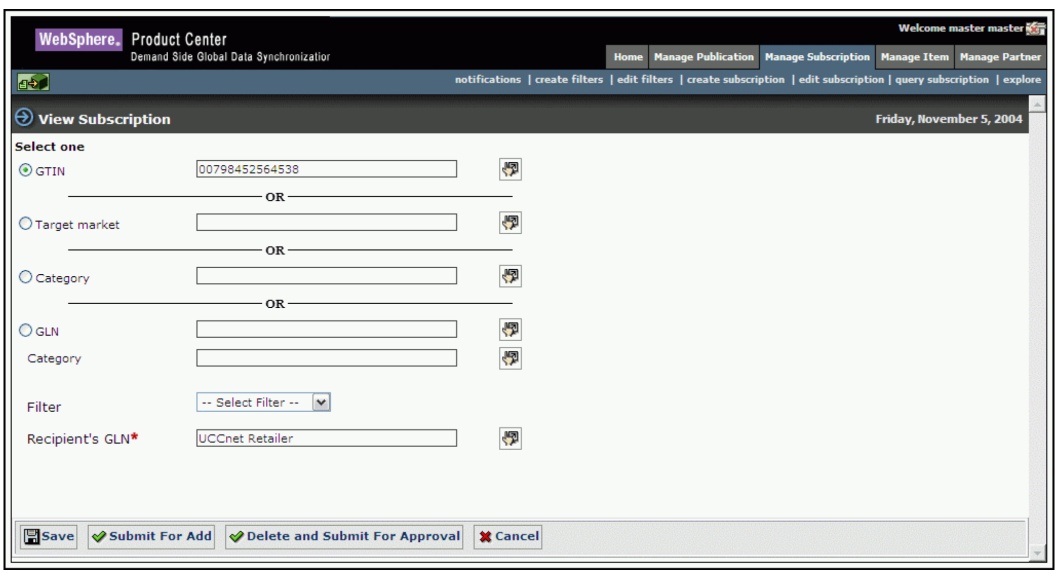
To add a subscription to the data pool:

1. Under the **Manage Subscriptions** tab, click on the **Edit Subscription** link, the *Search Subscription* page is displayed.




*Manage subscriptions – Edit Subscriptions*

2. Search for the subscription that you want to add to the data pool. For more information on search refer to the Search for Subscriptions section- *Chapter 8 Search*. From the search results select the subscription you want to add to the data pool. The details of the subscription are displayed.




*Subscription Details*

3. Click **Submit For Add**. The subscription will be submitted to the data pool.

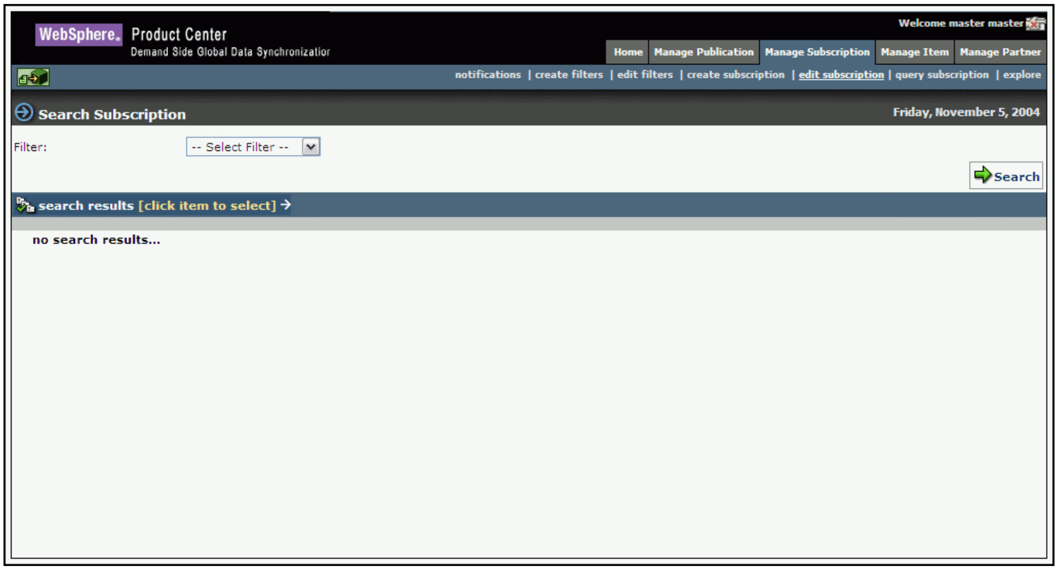
Note: Only subscriptions that have been approved status can be submitted to the data pool.

### *Edit Subscription*

Note: You can edit only those subscriptions that have not been added to the data pool.

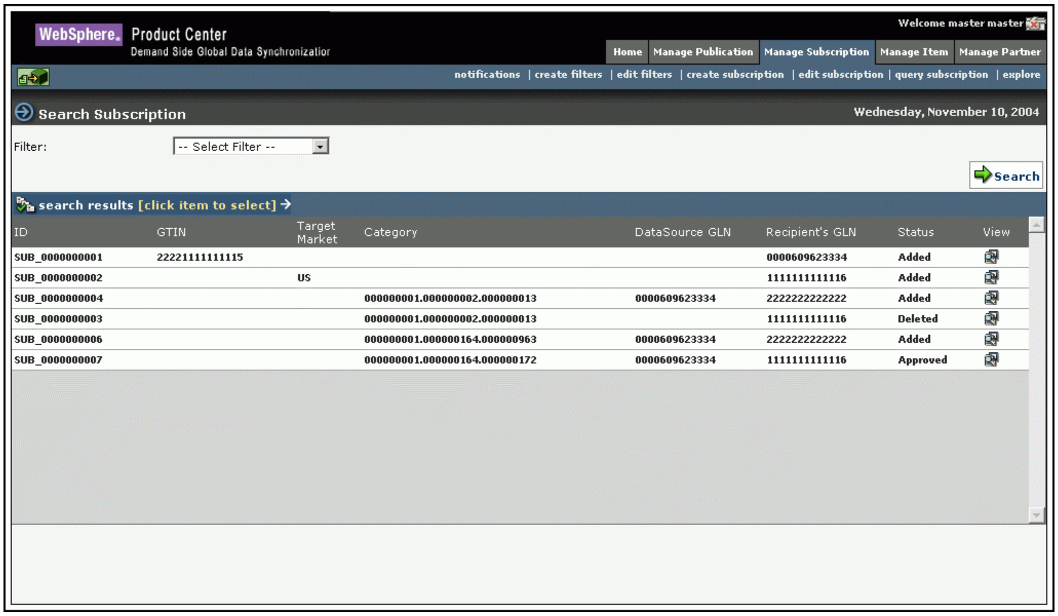
To edit a subscription:

1. In the *Manage Subscription* tab view, click on the **edit subscription** link. The *Edit Subscription* page is displayed.



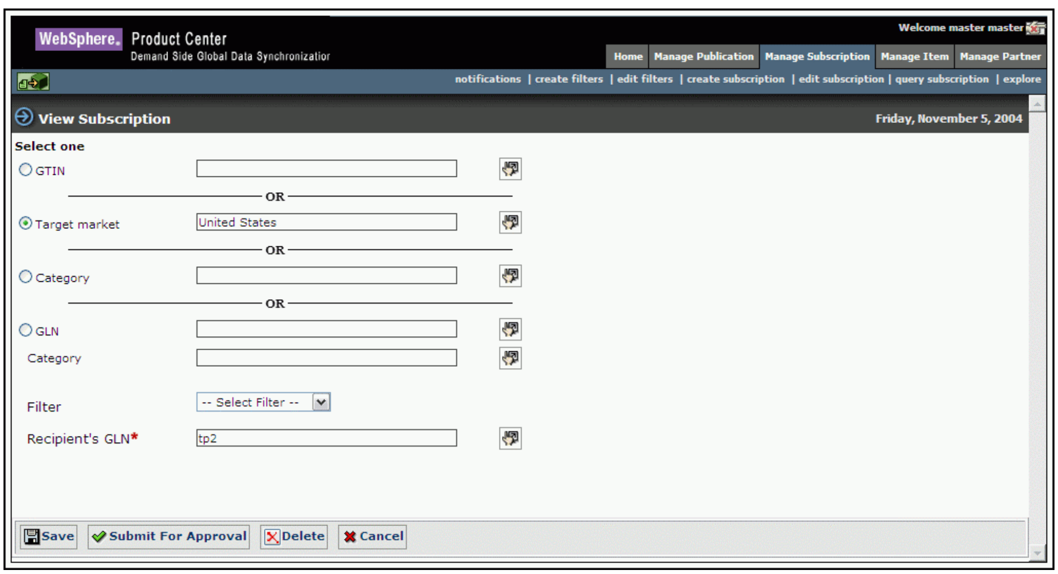

*Manage subscriptions – Edit Subscriptions*

2. Search for the subscription you want to edit. For more information on search refer to the Search for Subscriptions section in *Chapter 8 Search*.




*Search Subscriptions – Search Results*

3. From the list of subscriptions choose the subscription that you want to edit. The details of the subscription are displayed.



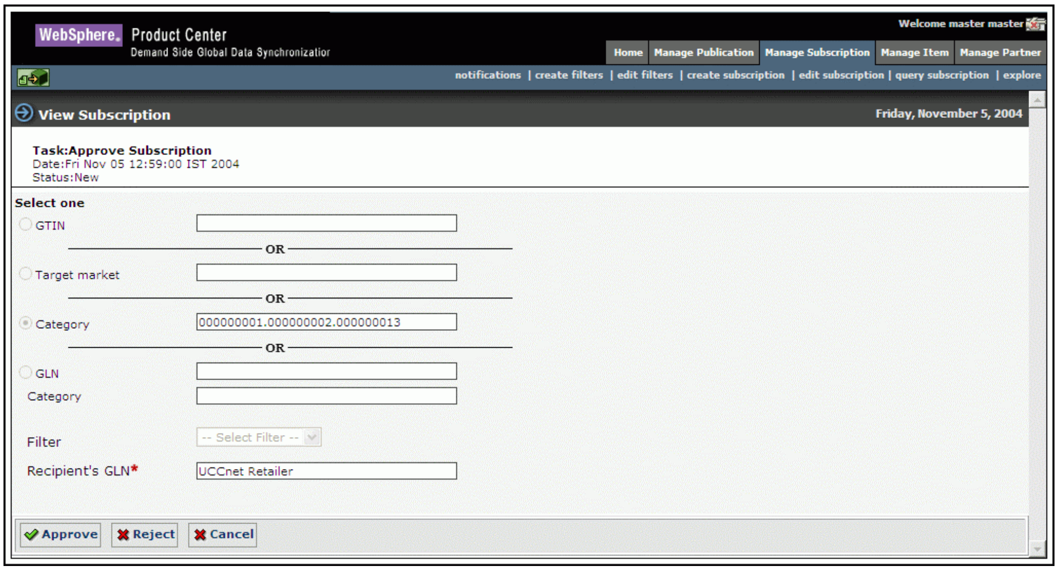

*Edit Subscription – Subscription Details*

4. Make the appropriate changes and click **Submit For Approval**. A notification “Subscription Approval Pending” is sent to the appropriate user(s). The notification is displayed in the *Subscription Requests* tab view.

### Approve Edited Subscription

To approve an edited subscription:

1. In the *Subscription Request* tab view, click on the notification “Subscription Approval Pending” for a particular subscription that you want to approve. The details of the subscription are displayed.




*Approve Subscription – Subscription Details*

4. To approve the subscription click **Approve**. The notification message “Modify Subscription approved” is sent to the appropriate user(s).

5. To reject the item, click **Reject**. The notification message “Subscription Rejected” is sent to the appropriate users(s).

6. The notifications are displayed in the *Subscription Requests* tab view.

## *Delete Subscription*

A Filter can be deleted when it is any one of the following status:

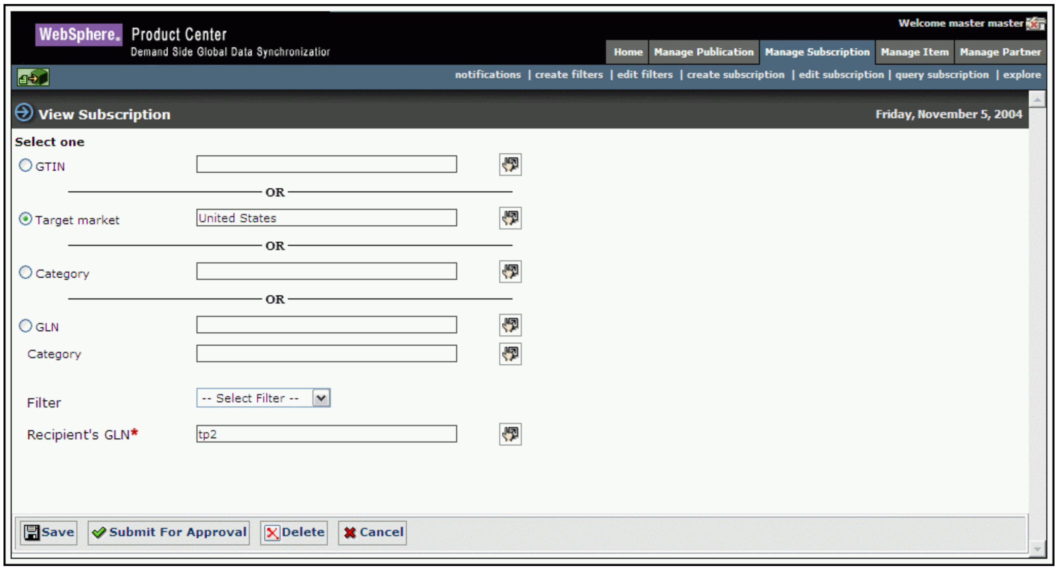
- Draft
- Approved
- Added

### Delete Subscription – Subscription in Draft status:

1. Click on the Edit Subscription link, the Search Subscription page is displayed.

2. Search for the subscription you want to delete. For more information on search refer to the Search for subscription section in *Chapter 8* Search.

3. From the search results select the subscription you want to delete. If the subscription is in "Draft" status then, the details of the subscription are displayed as shown in the following example.



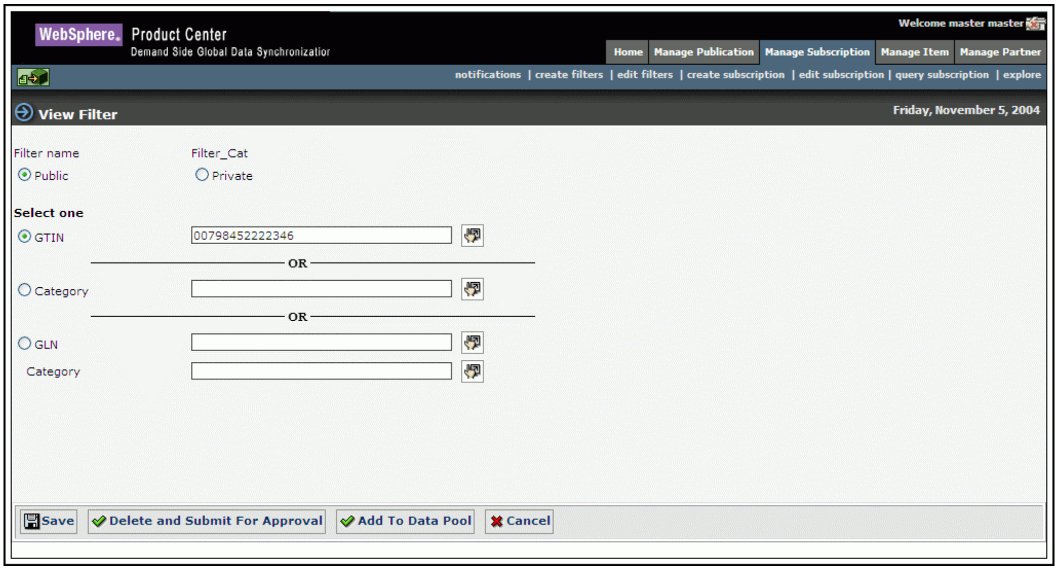

*Subscription Details*

4. Click **Delete**. The subscription is deleted from the local database.

### Delete Subscription – Subscription in Approved status

1. Click on the Edit subscription link, the Search Subscription page is displayed.

2. Search for the subscription that you want to delete. For more information on search refer to the Search for Subscriptions section in *Chapter 8 Search*. From the search results select the subscription you want to delete. If the subscription is in "Approved" status then, the details of the subscription are displayed as shown in the following example.



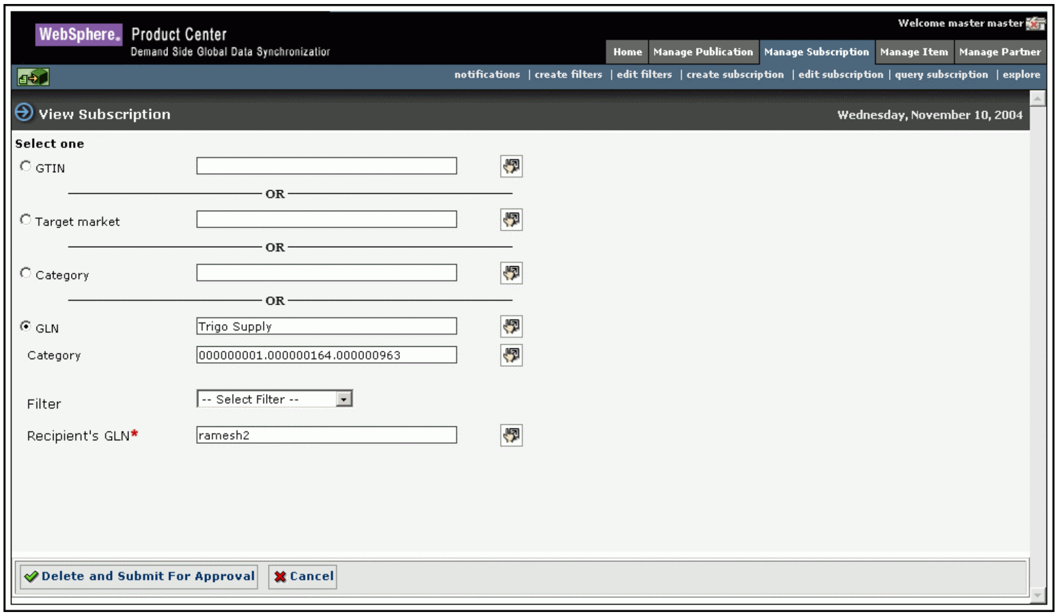

*Subscription Details*

3. Click **Delete and Submit For Approval**. A notification "Subscription Deletion Approval Pending" is sent to the appropriate user(s)

## Delete Subscription – Subscription in Approved status

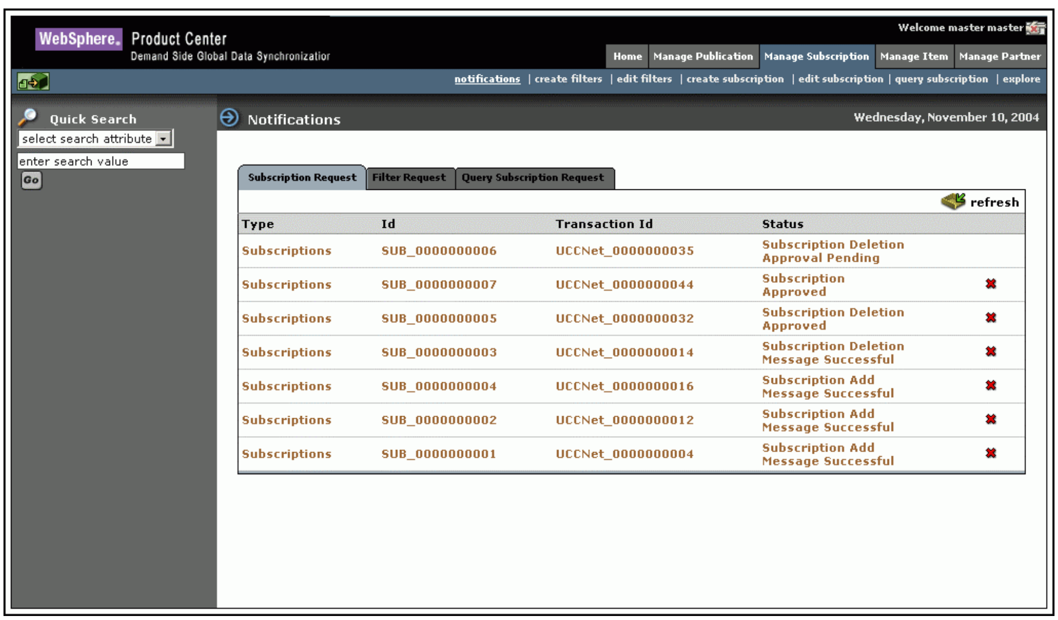
1. Click on the Edit subscription link, the *Search Subscription* page is displayed.

2. Search for the subscription you want to delete. For more information on search refer to the Search for Subscriptions section in *Chapter 8 Search.* From the search results select the subscription you want to delete. If the subscription is in "Added" status then, the details of the subscription are displayed as shown in the following example.



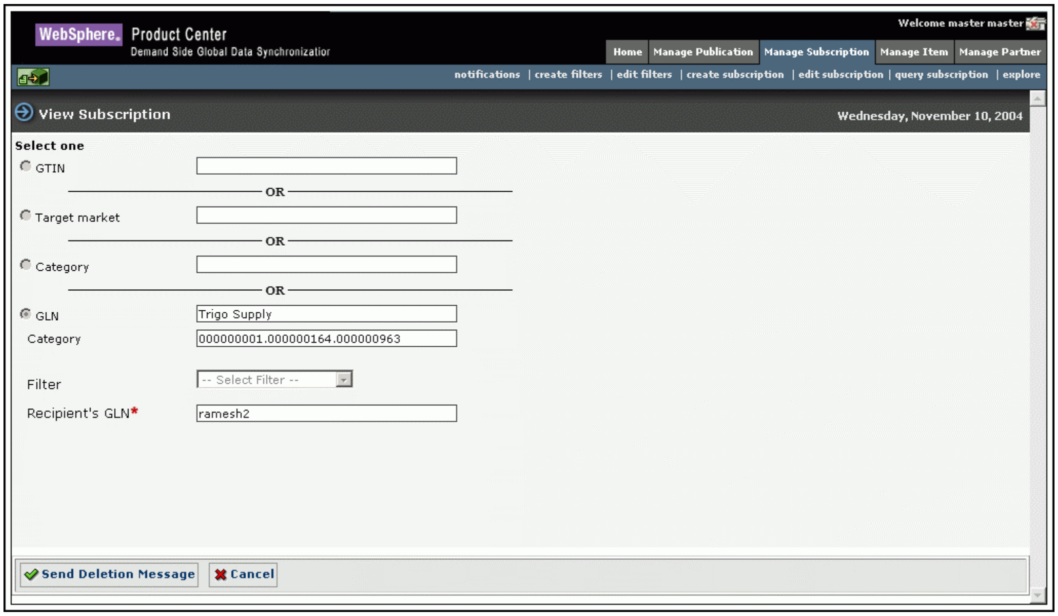
*Subscription Details*

3. Click **Delete and Submit For Approval**. A notification “Subscription Deletion Approval Pending” is sent to the appropriate user(s). The notification will appear under the **Subscription Request** tab.



*Subscription Request Notifications*

4. Click on the “Subscription Deletion Approval Pending” notification. The details of the subscription will be displayed.




*View Subscription*

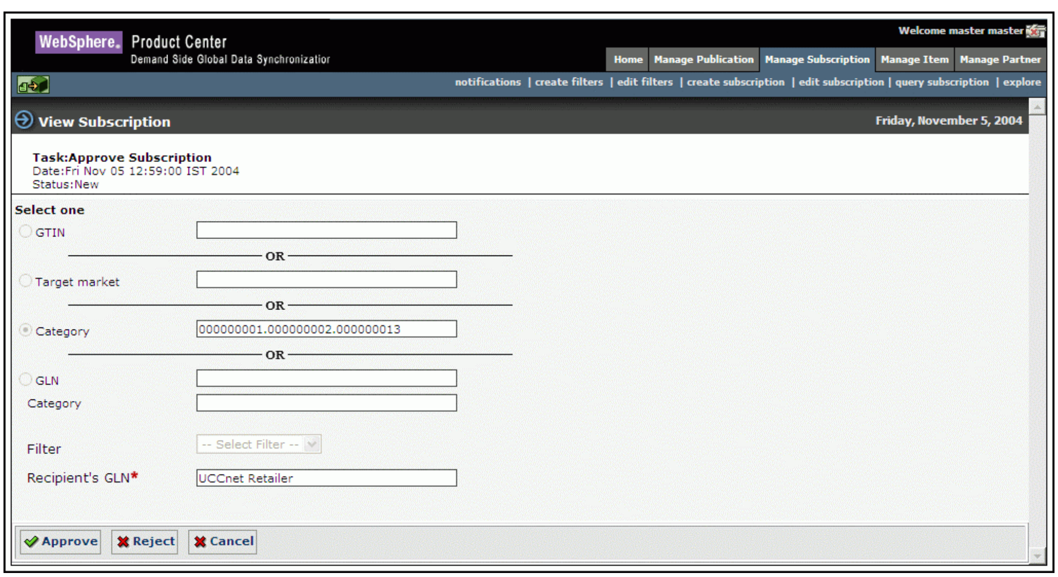
5. Click **Send Deletion Message**. A deletion message for that particular subscription is sent to UCCnet data pool services.

6. Click **Cancel** to exit without making any changes.

## Approve a Deleted Subscription

To approve a deleted subscription:

1. In the *Subscription Requests* tab view, click on the notification “Subscription Deletion Approval Pending”. The details of the subscription are displayed.




*Subscription Details*

2. To approve the deletion, click **Approve**. A notification "Subscription Deletion Approved" is sent to the appropriate users(s).

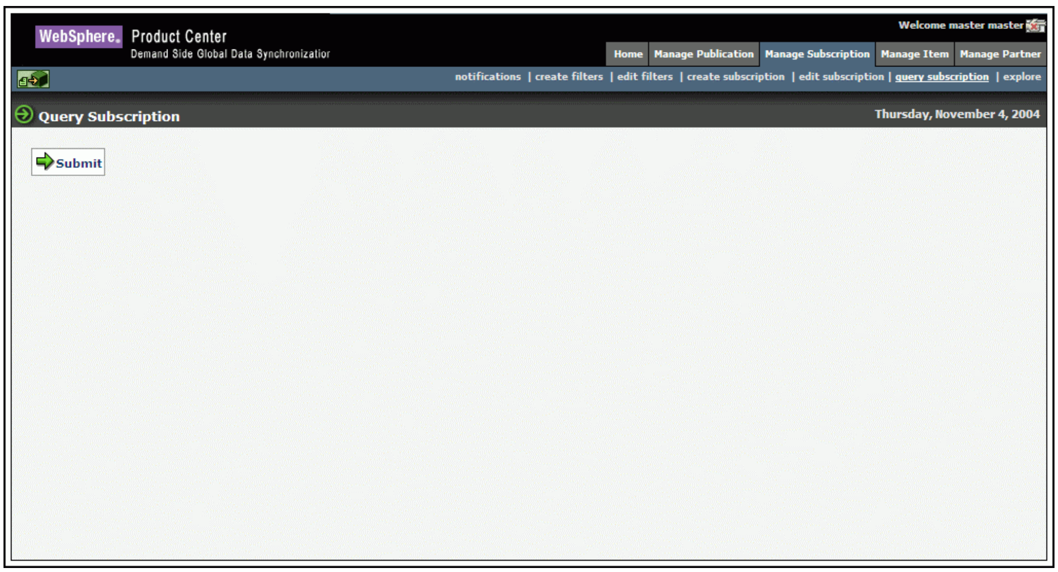
Note: When you delete a subscription, it is locally deleted in the application but will be permanently removed from the system only after the system administrator runs the purge scripts. The subscription will no longer appear in the search results.

If you delete a subscription that is already added to the UCCnet data pool, it appears in the search results with status "Deleted".

### Query Subscription

You can query for a subscription to view all the subscriptions made by your company.

To query a subscription, click on the **Query Subscription** link under that **Manage Items** link. The *Query Subscription* page is displayed.




*Query Subscription*

In the *Query Subscription* page, click on the **Submit** button and the results will be sent to you as a notification. You can view this notification in the *Query Subscription Requests* tab view.

### Explore Subscriptions and Filters

For information about performing a search for Subscriptions and Filter, refer the section Search Publications in *Chapter 8 – Search*.

# Ch 6 Manage Items

This chapter describes the various tasks related to managing trade items within the IBM Global Data Synchronization for WebSphere Product Center application.

You can view and process information on trade items and item hierarchies. You can create, edit, modify, or delete items and item hierarchies as required.

Topics include:

- View Notifications
- Create Items
- Edit Items
- Create Hierarchy
- Edit Hierarchy

Note: During application setup, you can create a list of approvers for various item category+ target market+ information provider combinations. You can also choose to turn the approval process on or off. For more information, refer the *IBM Global Data Synchronization for WebSphere Product Center Installation and Configuration Guide*.

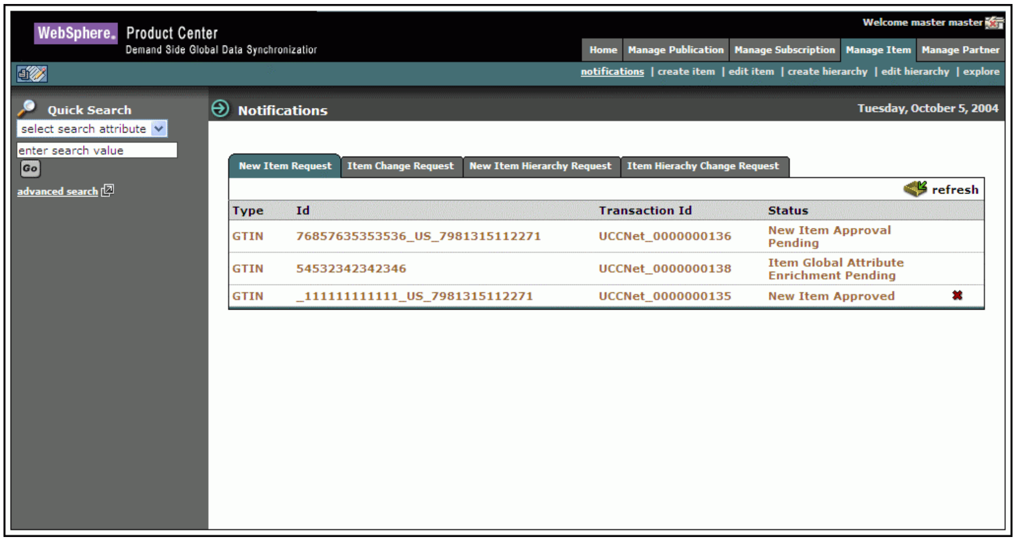
You can create an item and edit an item from the *Home* page also. The tasks are displayed in **Quick Tasks** on the left navigation pane.

## *View Notifications*

You can view all notifications related to item requests in the *Notifications* page. This page contains the following tabs:

- New Item Request
- Item Change Request
- Item Hierarchy Request
- Query Item Request

To view the list of notifications for each, click on the corresponding tab. The *New Item Request* tab view is displayed by default.




*Manage Item - Notifications*

Each notification is represented by a GTIN. To view the details of a notification, click on the notification. The details of that notification are displayed.

## *Create Items*

You can create an item by providing basic information about the item. This creates a record of that item in the item repository of the IBM Global Data Synchronization for WebSphere Product Center application. You can then submit the item for enrichment. Users from different departments can then add to the working record by providing additional information about that item.

The item is validated and a working record of the item is stored in the item repository of the IBM Global Data Synchronization for WebSphere Product Center application.

**Procedure**

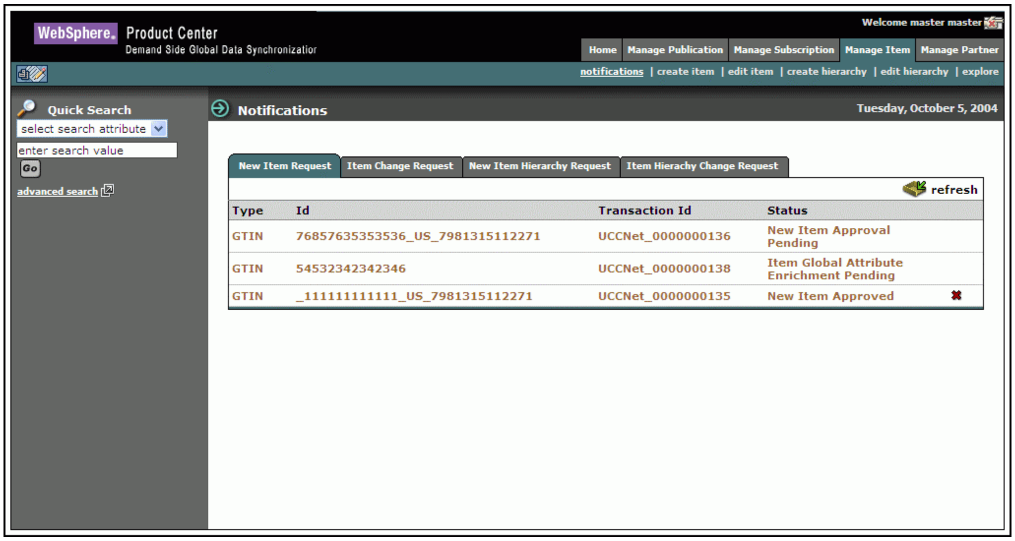
To create an item:

- Create GTIN
- Enrich Global Attributes
- Create Item Links (Optional)
- Create Variant
- Enrich Local Attributes
- Submit for Compliance Check
- Submit for Approval
- Approve Item

### Create GTIN

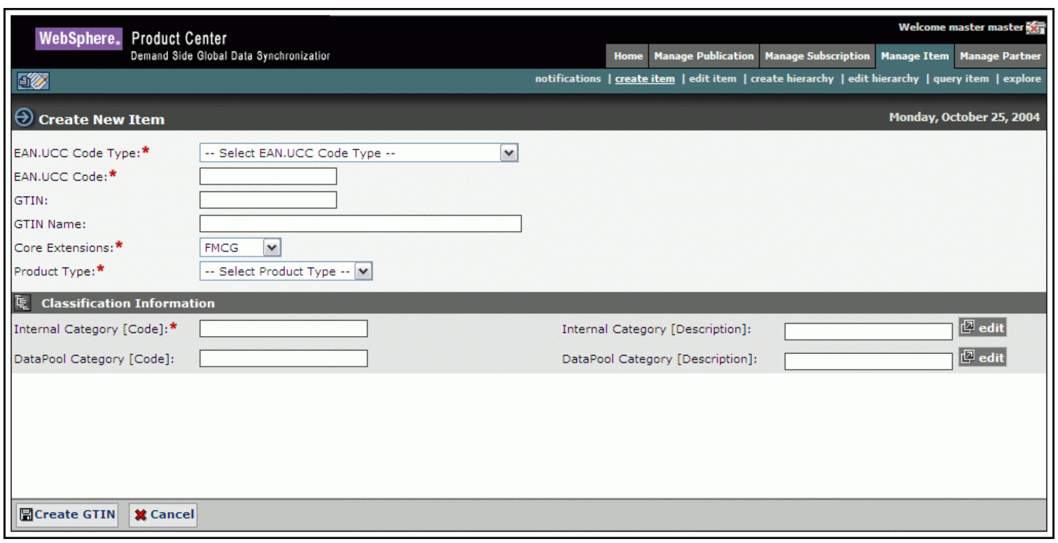
To create the GTIN code:

1. In the *Home* page, click on the **Manage Item** tab. The *Manage Item* tab view is displayed.




*Manage Item Tab View*

Click on the **create item** link. The *Create Item* page is displayed.

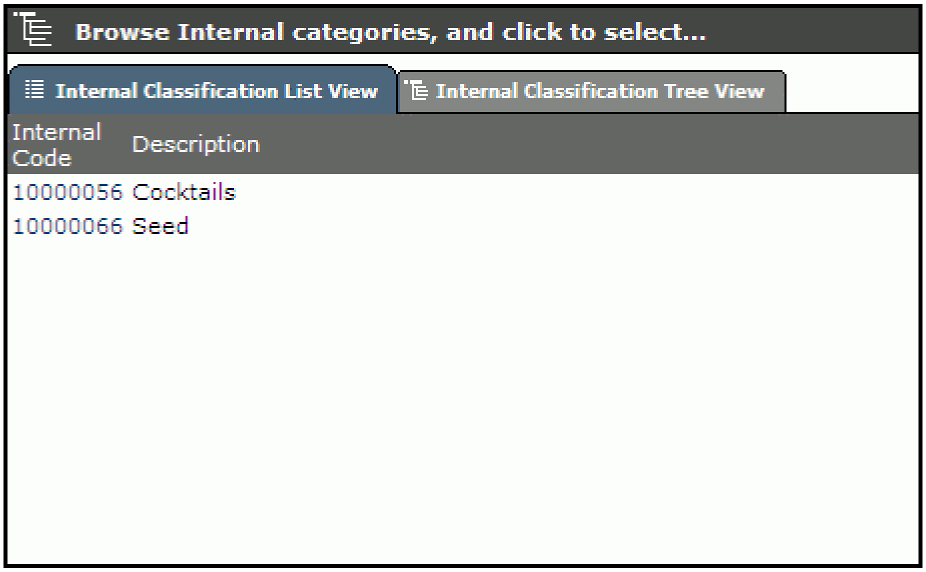



*Manage Item – Create New Item*

2. From the **EAN.UCC Code Type** drop-down menu, select the EAN.UCC code type.
3. In the **EAN.UCC Code** field, type the EAN.UCC code.
4. In the **GTIN** field, type the Global Trade Item Number of the item.
5. In the **GTIN Name** field, type the name of the trade item.
6. From the **Core Extensions** drop-down menu, select the  Core Extension of the Trade Item
7. From the **Product Type** drop-down menu, select the indicator for the trade item. Options available are Case, Pallet, Each, Pack, Display/Shipper, Setpack, Prepack, Prepack/Assortment and Mod Pallet (Mixed).

8. Under **Classification Information**:

   a. Specify the code and the description for the internal category. To do this, click **edit**. The *Internal Classification List View* is displayed.

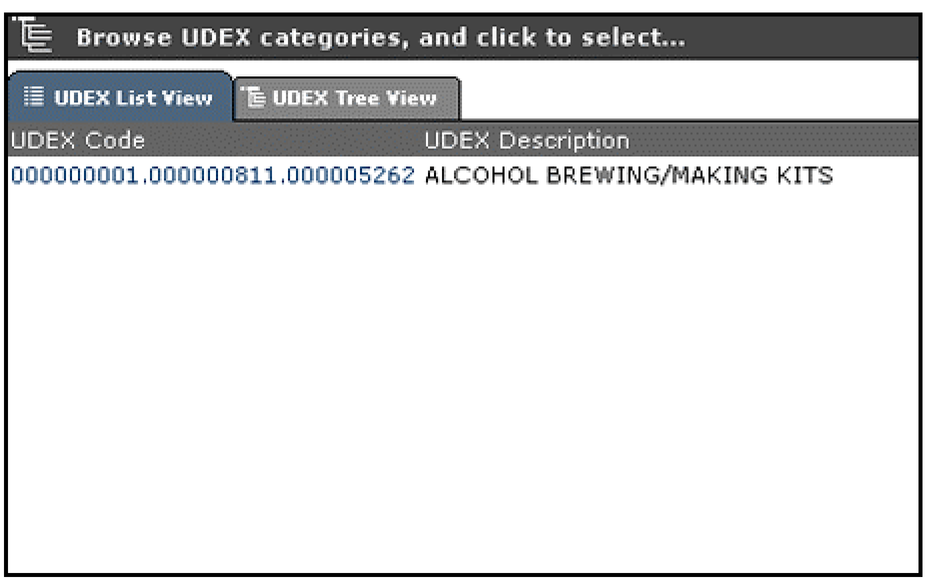



*Internal Classification List View*

   b. Click on the category code. The *Internal Classification List View* is closed. The category code and the description for that category are automatically displayed in the **Internal Category [Code]** and **Internal Category [Description]** fields.

   c. You can also select the category code from the tree view. Click on the **UDEX Tree View** tab. The *UDEX Tree View* is displayed

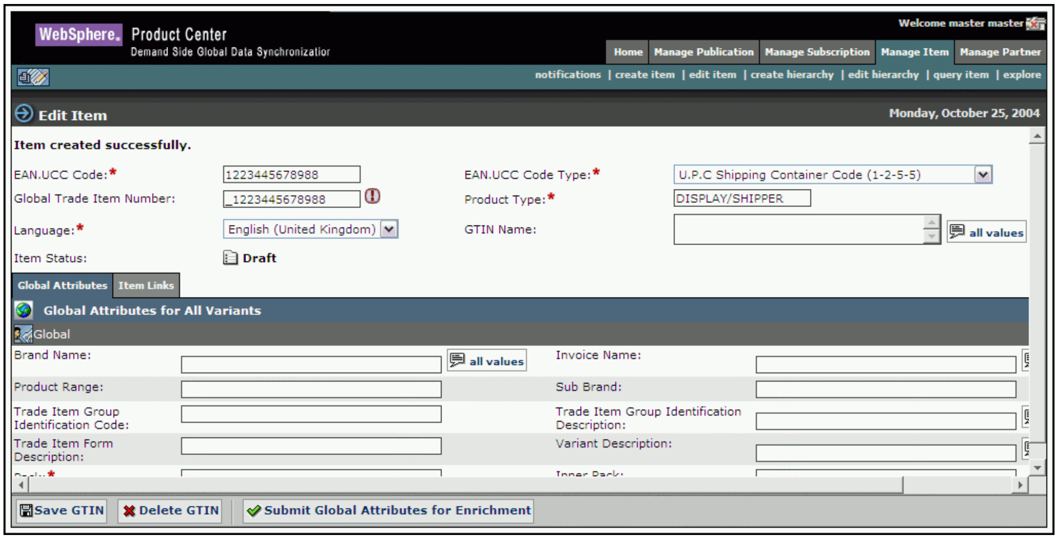
   d. Specify the code and the description for data pool category. To do this, click **edit**. The *UDEX List View* is displayed.



*UDEX List view*

Click on the category code. The UDEX List view is closed. The category code and the description for that category are automatically displayed in the **Data Pool Category[Code]** and **DataPool Category [Description]**

9. Click **Create GTIN**. The GTIN is created and the message "Item created successfully." is displayed along with additional fields.




*Manage Item – Item Created Successfully*

Note: If a GTIN is not specified by the user then a temporary GTIN is created based on the EAN.UCC.Code prefixed with an "_" (underscore). This GTIN is represented by the  icon.

10. You can enrich the global attributes or send the item for global enrichment. For information about enriching global attributes, refer the section "Enrich Global Attributes".

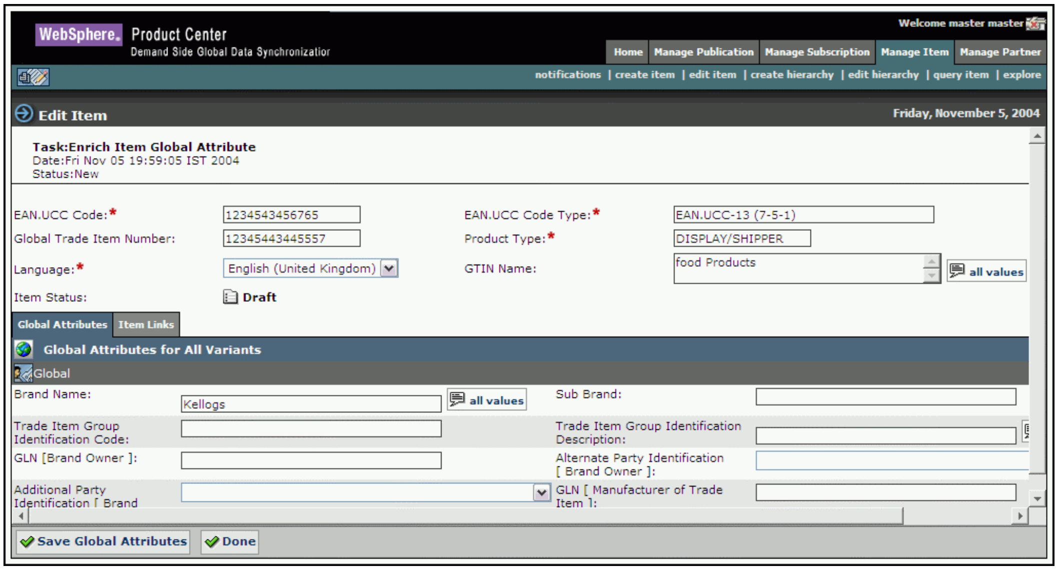
11. To send the item for global enrichment, click **Submit Global Item Attributes For Enrichment**. The notification message "Item Global Attribute Enrichment Pending" is sent to the appropriate user(s) for global enrichment.

## Enrich Global Attributes for an Item:

When an item is submitted for global enrichment, the appropriate user(s) are notified to enrich the item.

To enrich the global attributes:

1. In the *New Item Request* tab view, click on the notification "Item Global Attribute Enrichment Pending". The details of the notification are displayed.




*Create Item – Global Enrichment*

2. Enter the values in the various fields.

Note: For a detailed description of all the Trade Item attributes refer to the UCCnet attribute starter Kit--*Attribute Starter Kit (UCCnet Mandatory XSD Attributes) 012904.pdf*

3. If you want to create trade item links, click on the **Item Links** tab. This is optional. For more information, refer *Create Item Links* section.

4. Click **Done**. The notification "Item Global Attribute Enrichment Completed" is sent to the appropriate user(s). The notification is displayed in the *New Item Request* tab view.

Note: If the notification for enriching the global attributes is sent to more than one user, then only after all the users responsible for enrichment click **Done**, the notification "Item Global Attribute Enrichment Completed" is sent.

If only one person is responsible for enriching the global attributes, then once the enrichment is complete, the notification is sent.

5. If you want to create item links, click on the **Item Links** tab. For more information, refer *Create Item Links* section. This is optional.

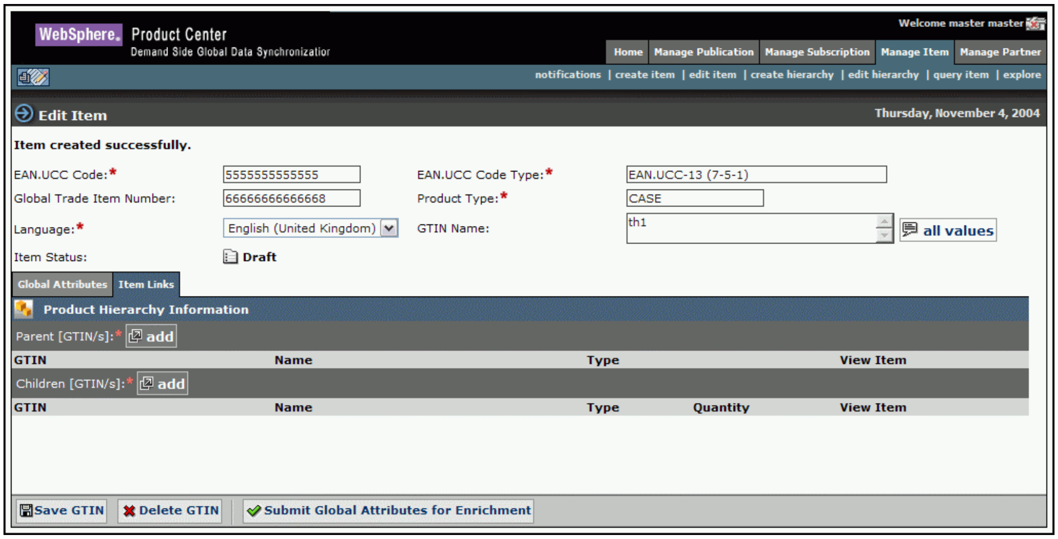
6. Click **Done**. The notification "Item Global Attribute Enrichment Completed" is sent to the appropriate user (s). The notification is displayed in the *New Item Request* tab view.

## Create Item Links

You can create item links when enriching global attributes or while enriching TM/IP variants. These links can be created when creating a new item or creating a hierarchy. For information about creating a hierarchy, refer *the Create Hierarchy* section.

To create item links while creating a new item:

1. Click on the **Item Links** tab. The *Item Links* tab view is displayed.



*Create new item - Item Links Tab View*

2. To add a parent GTIN, click **add**. The *Search* page is displayed. Search for the GTIN that you want to add as a parent and click **Next**.

Note: For more information on creating links, refer to the Create Hierarchy section under the same chapter.

3. To add children to the parent GTIN, click **add** and repeat the procedure in step 2.

   For more information on Search, refer *Chapter 8 – Search*.

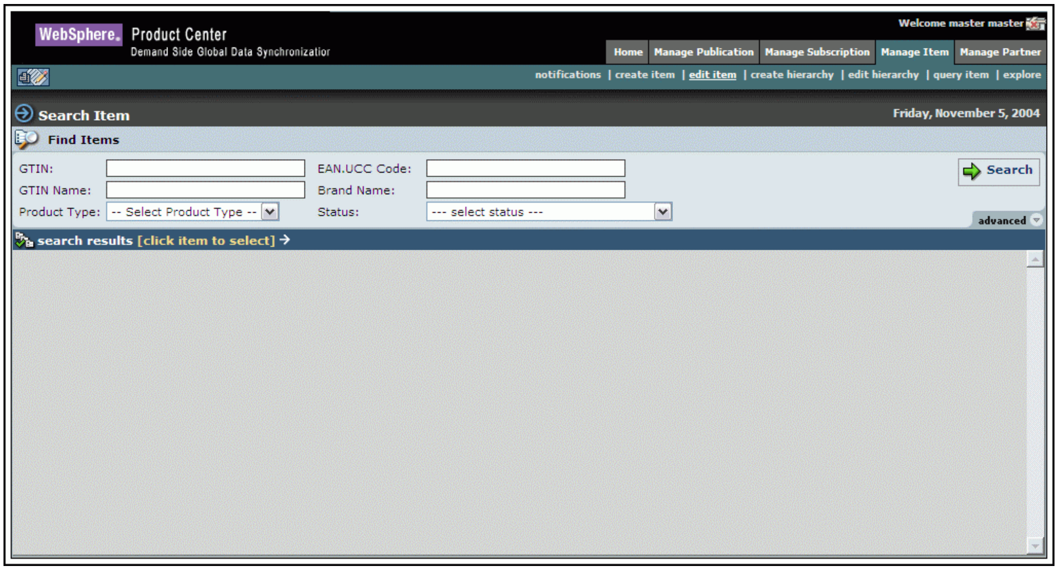
4. Click **Save GTIN**. The links are saved.

Note: If you are creating the links when enriching the global attributes, the notification "Item Global Attribute Enrichment Completed" is sent to the appropriate user. If you are creating the links when enriching the TM/IP variants, the notification "Item Variant Attribute Enrichment Completed" is sent to the appropriate user(s). These notifications are displayed in the *New Item Request* tab view.

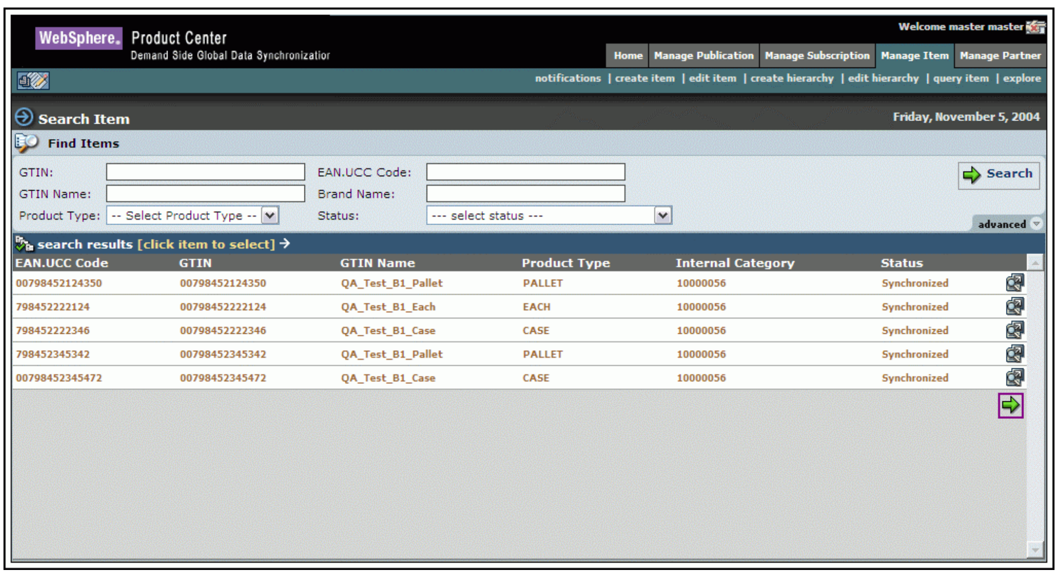
## Create Variant

To create a Variant:

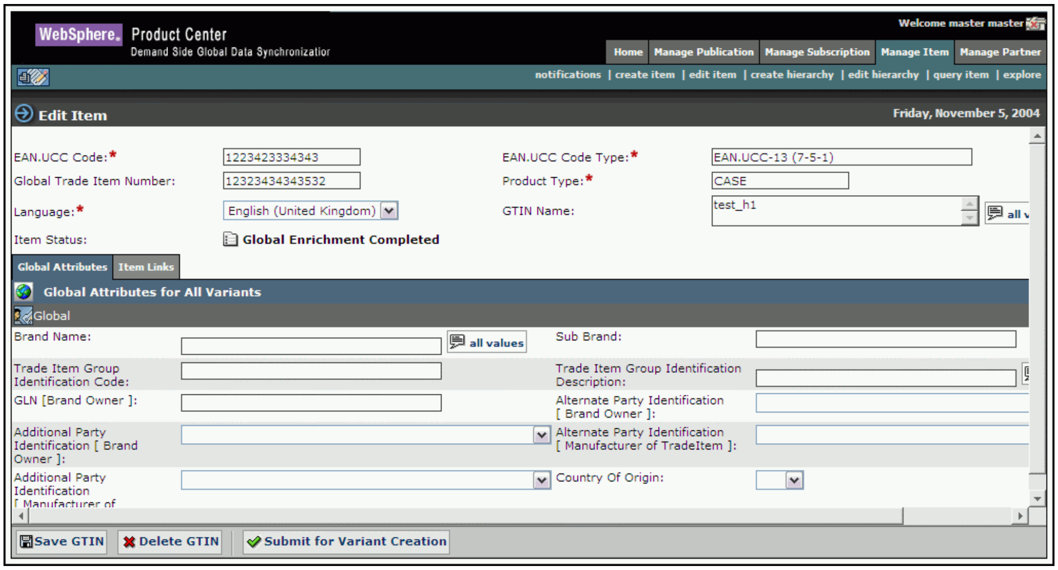
1. In the *Manage Item* tab view, click on the **edit item** link. The *Edit Item* page is displayed.




2. Search for the notification for which you want to create a variant. The search results are displayed in the *search results* area.




3. Click on the GTIN. The details of the GTIN are displayed.

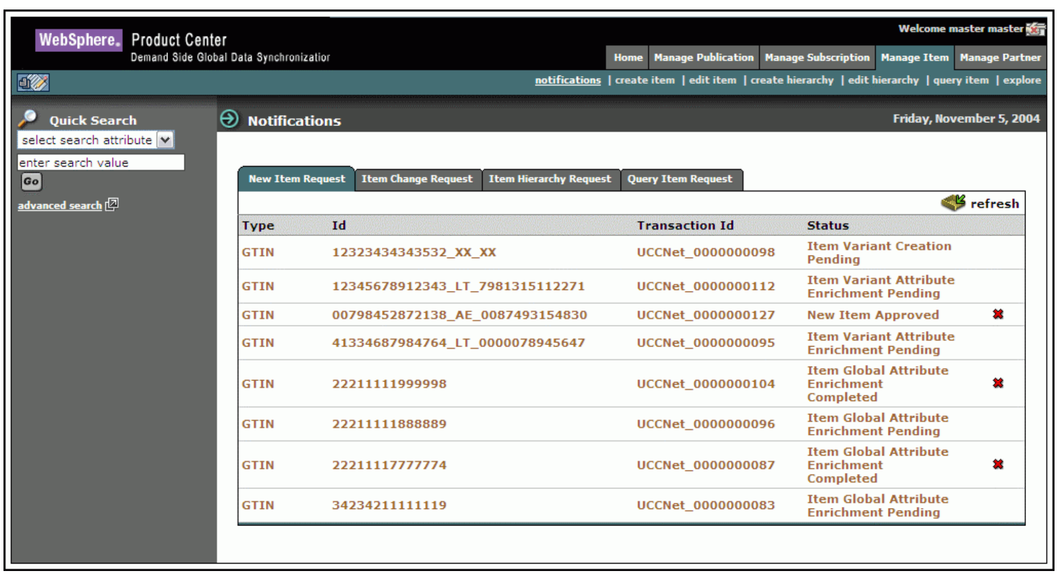


*Submit For Variant Creation*

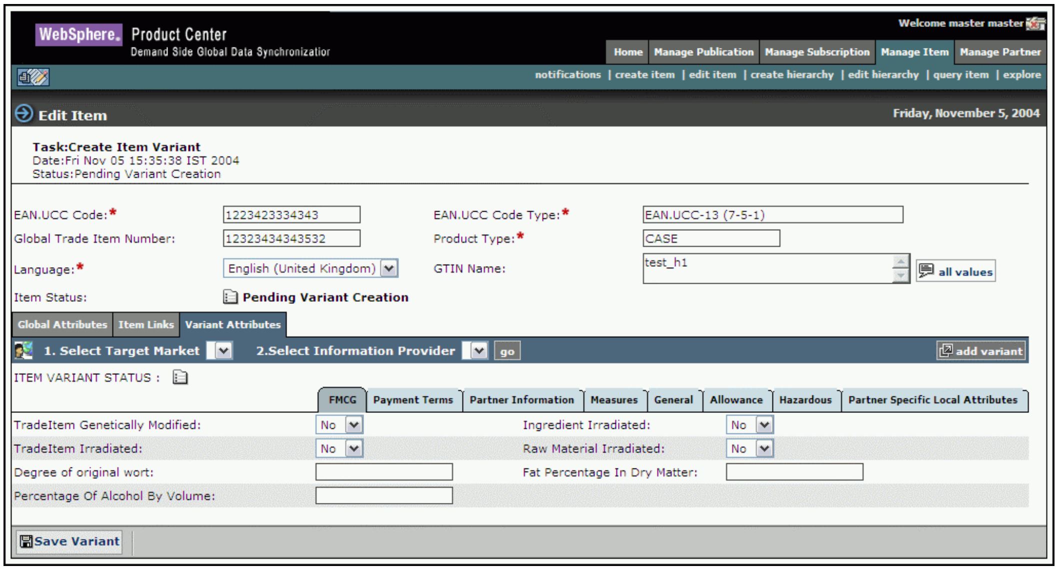
4. Click **Submit for Variant Creation**. The notification message "Item Variant Creation Pending" is sent to the appropriate user to create the variant and the notification is displayed in the *New Item Request* tab view.

Note: You can submit only those items for variant creation for which the global enrichment is completed.

5. If you receive "Item Variant Creation Pending" notification, click on the notification message. The *Variant Attributes* tab view is displayed.

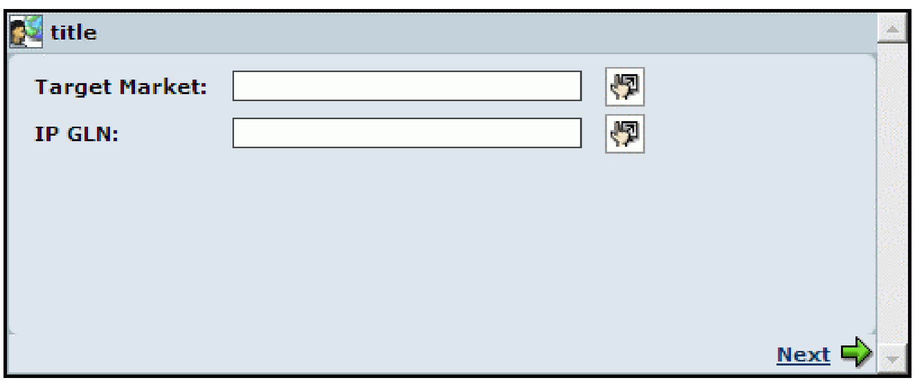


*Item Variant Creation Notification*




*Create Item Variant*

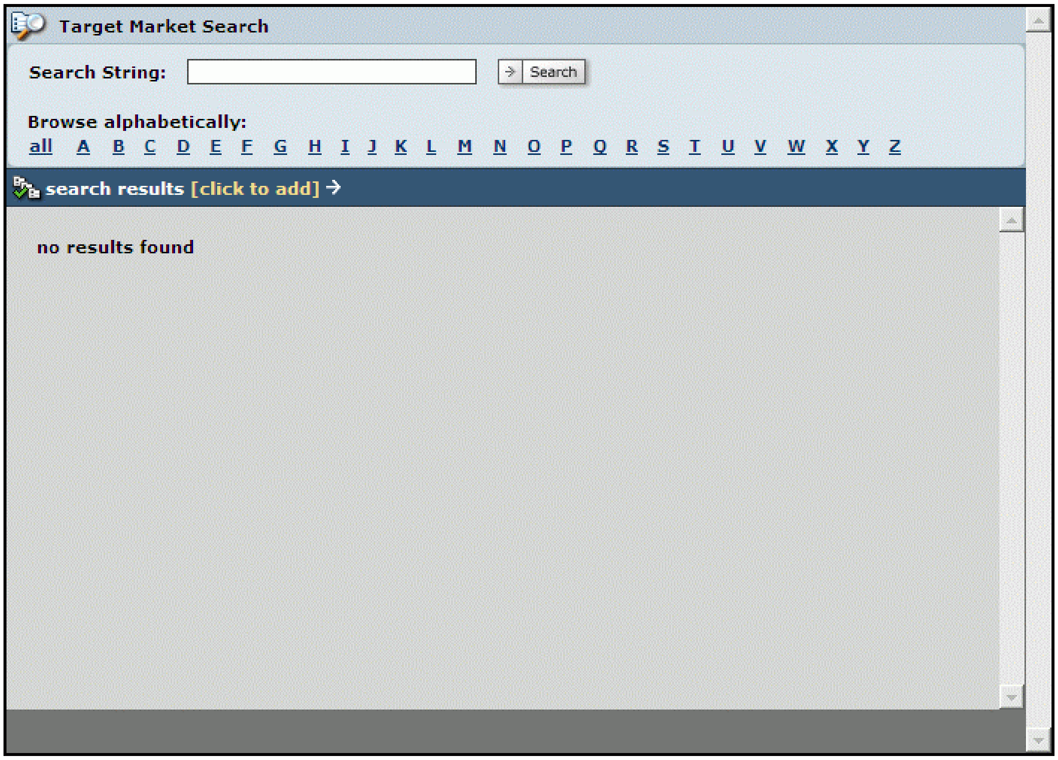
6. Click **add variant**. The *Add Variant* dialog box is displayed.




*Add Variant*

7. To add a target market:

   a. Click on the **Look Up** icon. The *Target Market Search* page is displayed.

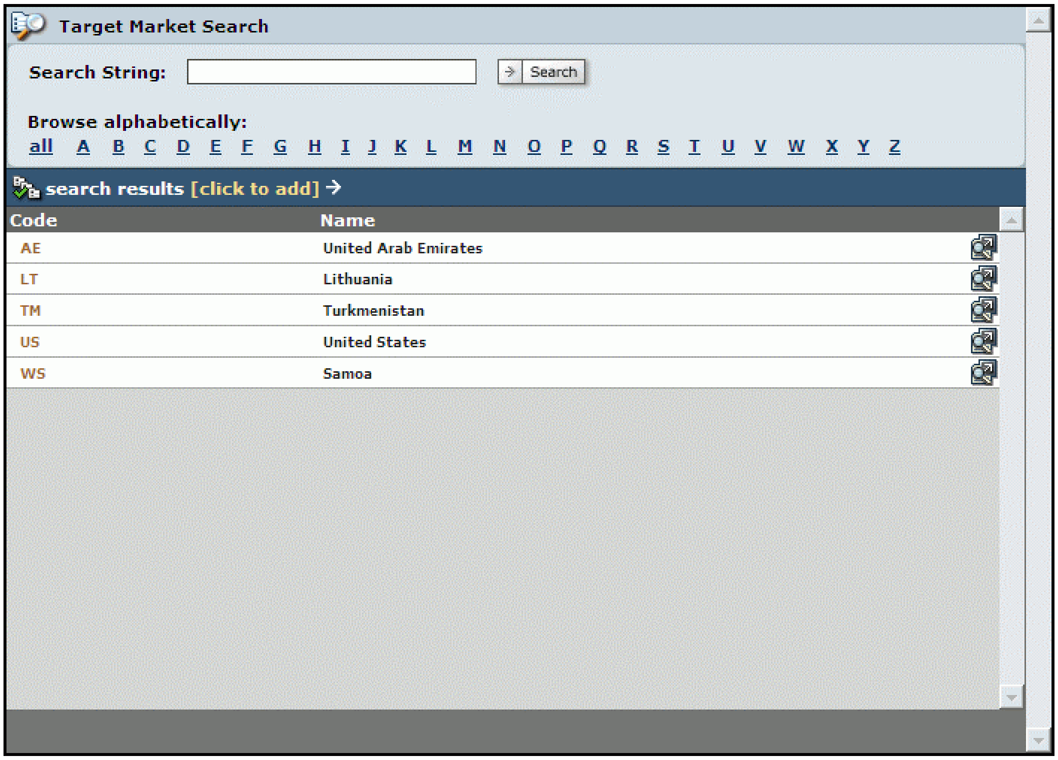



*Target Market Search*

b. You have two options:

   i. In the **Search String** field, type the name or first letter of the target market along with the asterisk ( * ) and click **Search**. The search results are displayed in the **search results** area.

   ii. Click on the alphabet from which the name of the target market starts. For example, if the Target Market is Venezuela, click **V**. All target markets that start with the letter V is displayed in the **search results** area.

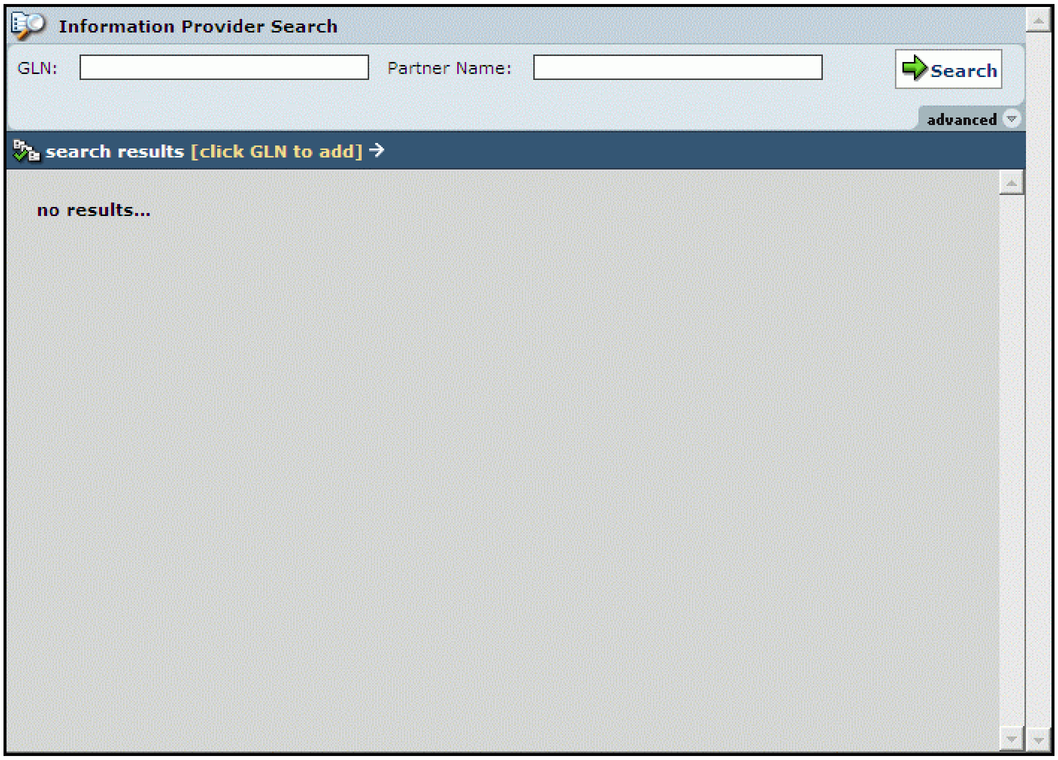



*Target Market Search Results*

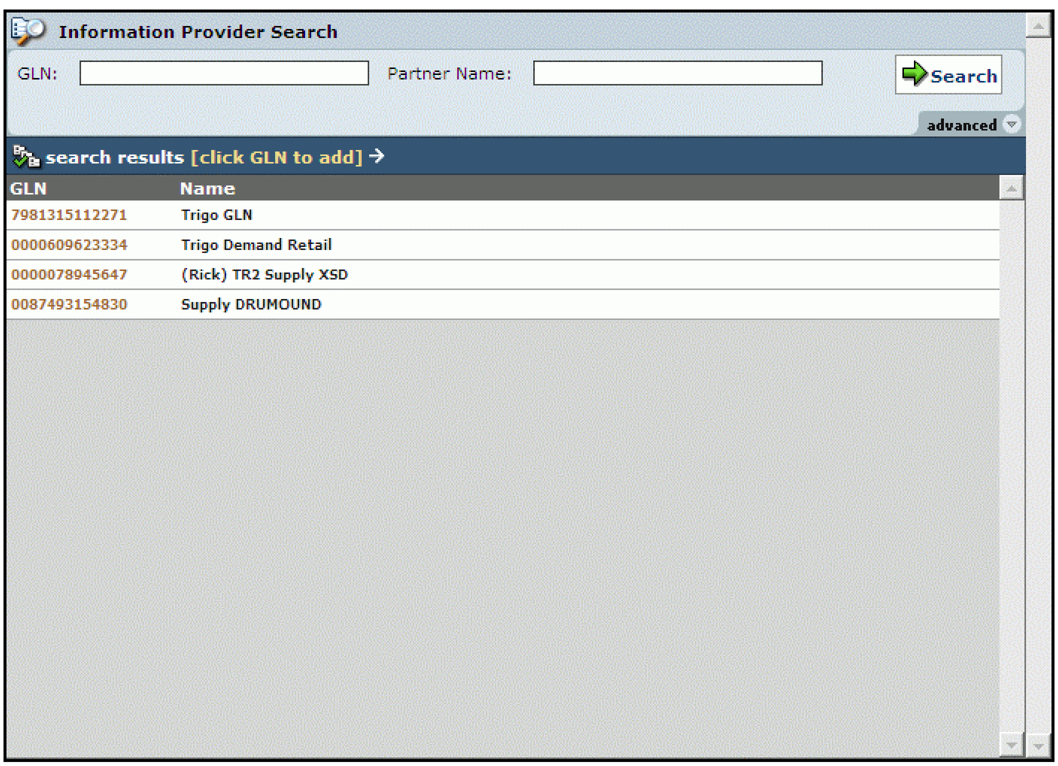
c. Select the target market. The selected target market is displayed in the **Target Market** field.

8. To add the IP GLN:

   a. Click on the **Look Up** icon. The *Information Provider Search* page is displayed.

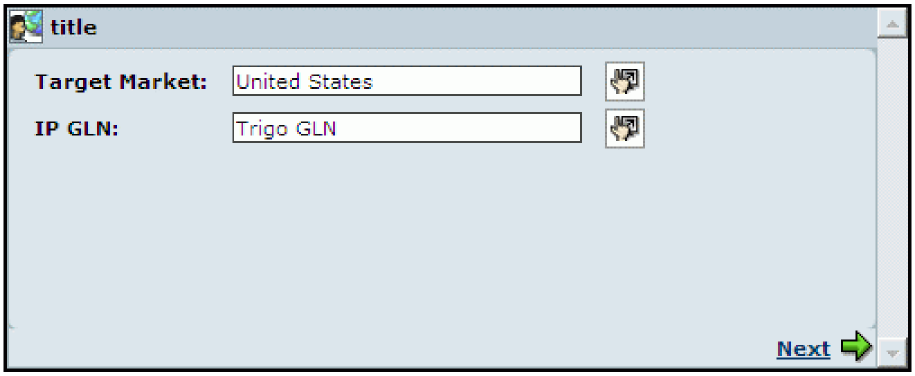



b. Perform the search to display the search results. For more information about search, refer *Chapter 8 – Search*.

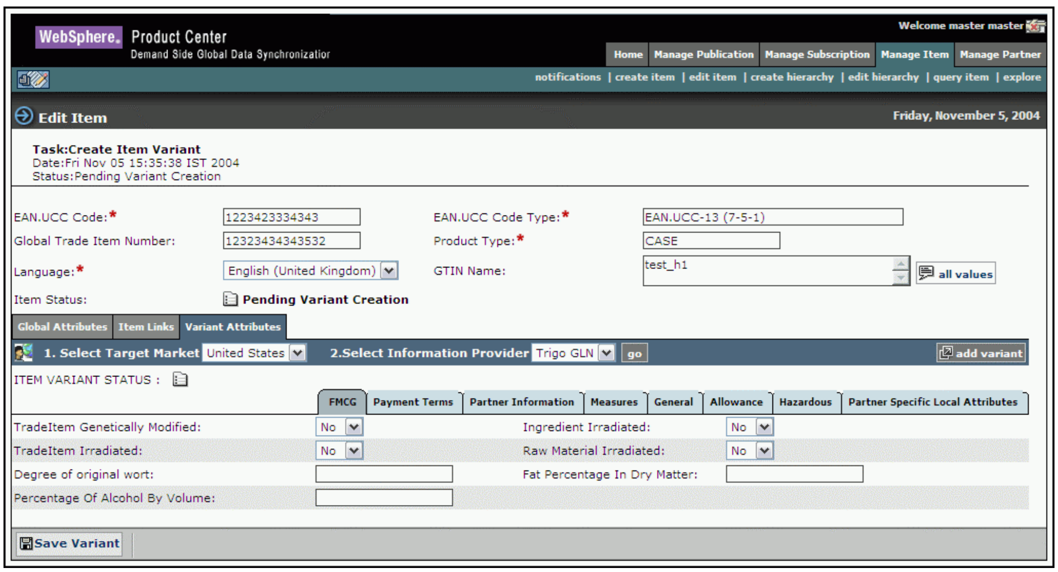



*Information Provider Search Results*

c. Select the GLN. The selected GLN is displayed in the **IP GLN** field.

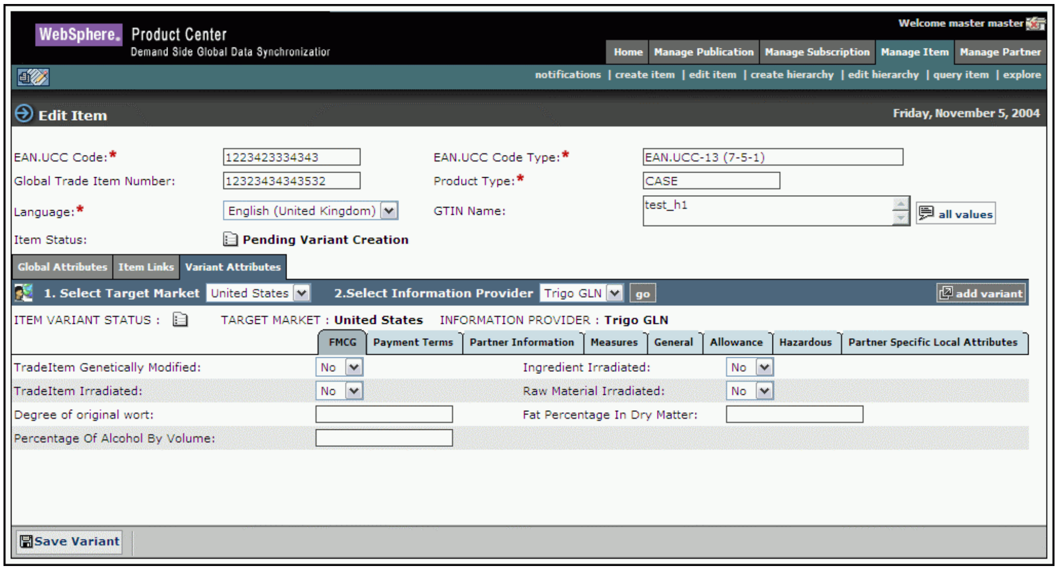



9. Click **Next.** The *Add Variant* dialog box closes and the variant is displayed in the **Select Target Market** and **Select Information Provider** drop-down menus in the *Variant Attributes* tab view.



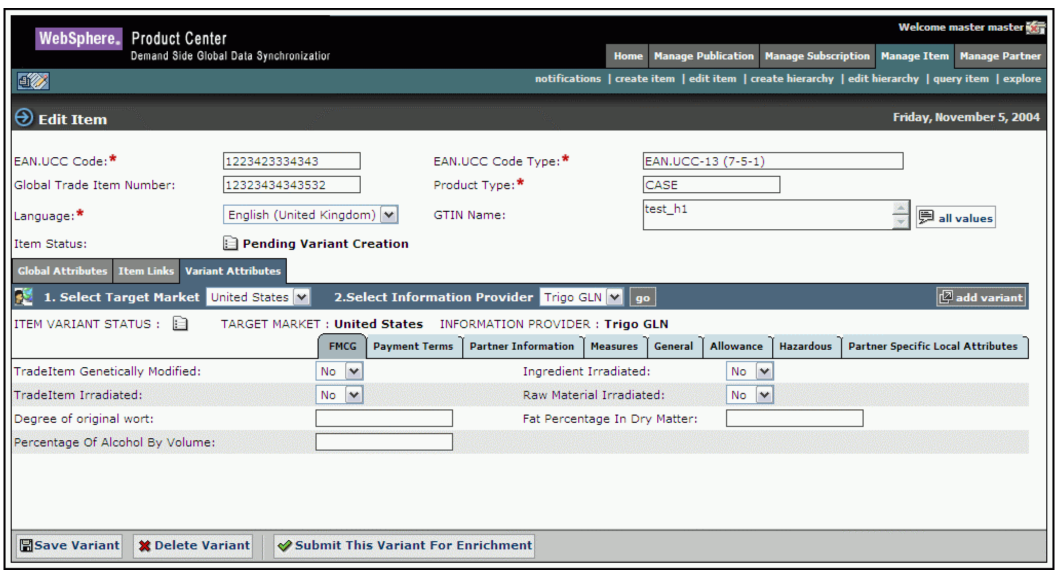

*Create Variant – Variant Selected*

10. Click **Go**. The attributes for the selected target market and information provider is displayed.




*Create Variant – Save Variant*

11. Click **Save Variant**. The screen that allows you to submit this variant for enrichment is displayed.




*Create Variant – Submit Variant for enrichment*

12. Click **Submit This Variant for Enrichment**. The notification message "Item Variant Attribute Enrichment Pending "is sent to the appropriate user(s) to enrich the variant attributes.

Note: If you have access to enrich the local attributes, you can fill in values in the various fields and then click on **Submit This Variant for Enrichment** for other users to enrich the same.

## Enrich Variant Attributes

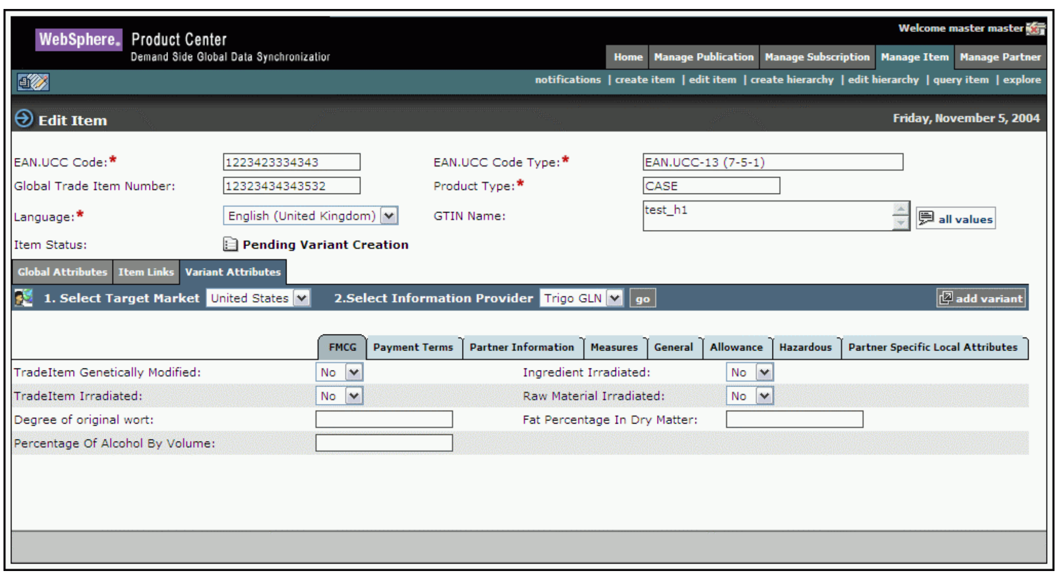
The IBM Global Data Synchronization for WebSphere Product Center enables users from different functional departments to add to the working record of an item. For example, the Logistics attributes of the item can be entered by a user from the Logistics department.

When an item is submitted for enrichment, the appropriate user(s) are notified by email or online notification to enrich the item. You can enrich the variant attributes (TM+IP) for an item. These attributes are configurable and they have to be configured by the person who submits the GTIN for enrichment. For information about configuring these attributes, refer the *IBM Global Data Synchronization for WebSphere Product Center Installation and Configuration* Guide.

The enriched item is validated to ensure that it complies with the data validation rules. Once validated, it is approved by the appropriate users before it is internally synchronized.

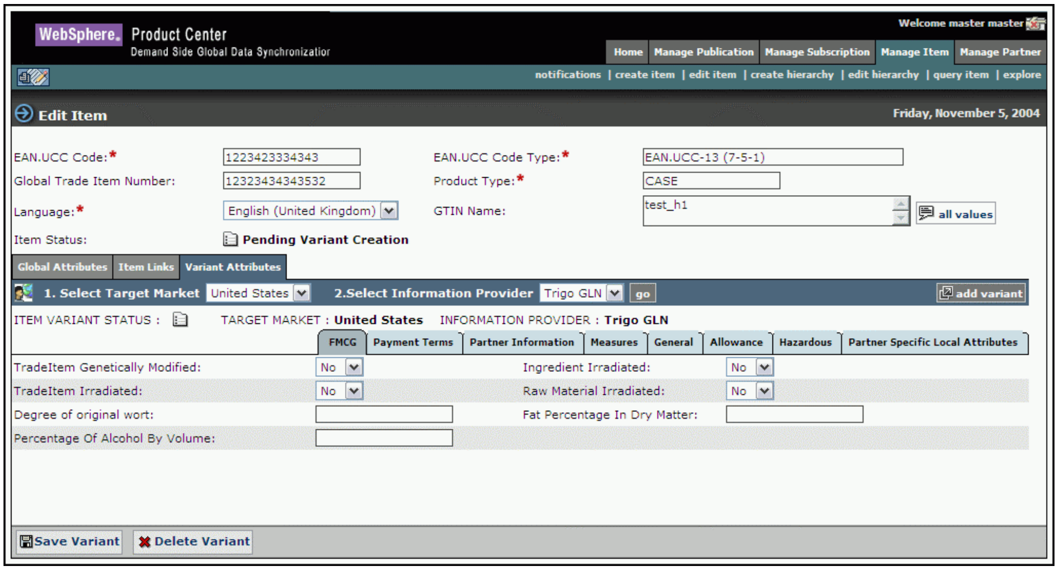
To enrich local attributes:

1. Click on the **Manage Items** tab.  Click on the notifications link. Under the *New Item Request* tab view, click on the notification “Item Variant Attribute Enrichment Pending”. The *Variant Attributes* tab view is displayed. This tab view contains the tabs that are specific to your role.




*Variant Attributes Tab View*

2. From the **Select Target Market** and **Select Information Provider** drop-down menus, select the target market and information provider for which you want to enrich the attributes.




*Variant Attributes Tab View*

3. Type in the values for the fields in the various tabs and click **Done**. The notification “Item Variant Attribute Enrichment Completed” is sent to the appropriate user.

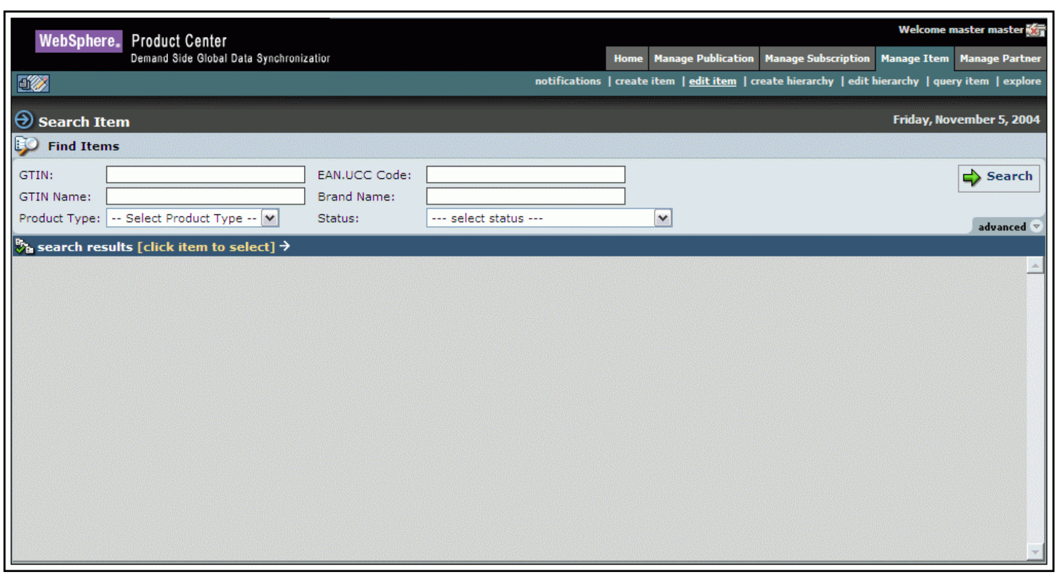
Note: If you are not ready to commit the enrichment, click **Save Variant**. This saves a draft copy of the item.

## Submit for Compliance Check

Once the enrichment of both the global and variant attributes is complete, the item details have to be checked for compliance. This is an internal validation that is performed to check if the values that have been entered meet the data validation rules.

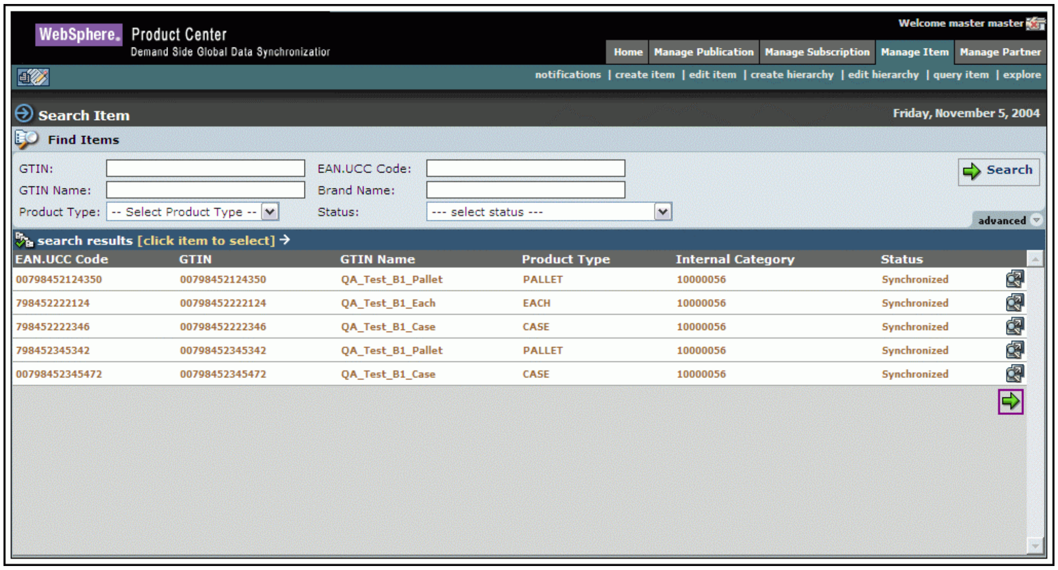
To submit an item for compliance check:

1. In the *Manage Item* tab view, click on the **edit items** link. The *Search* page is displayed.



*Edit Item – Search*

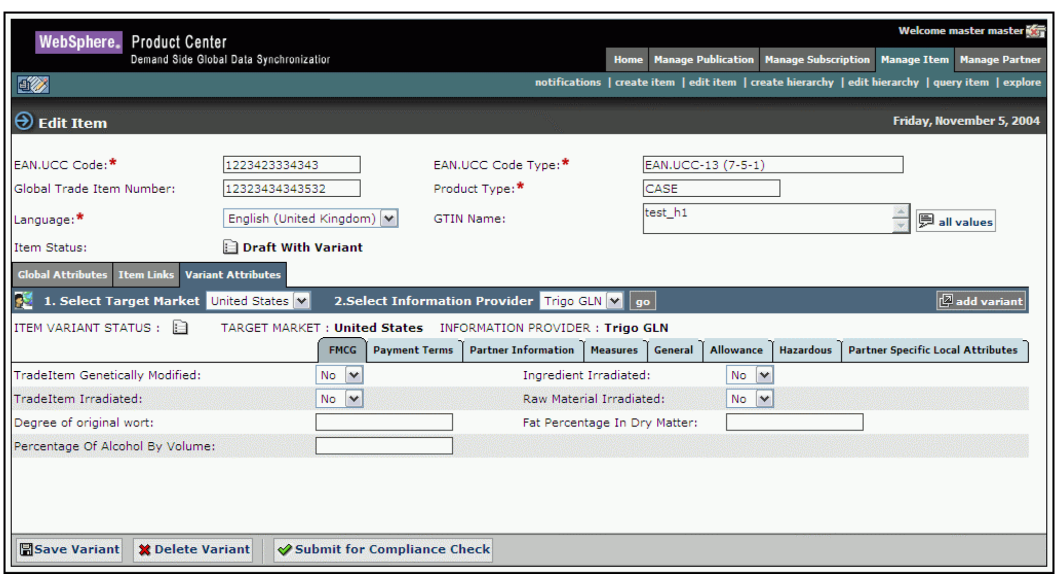
2. Search for the item that you have to send for compliance check. For more information about performing the search, refer *Chapter 8 – Search*. The search results are displayed in the **search results** area.




*Edit Item – Search Results*

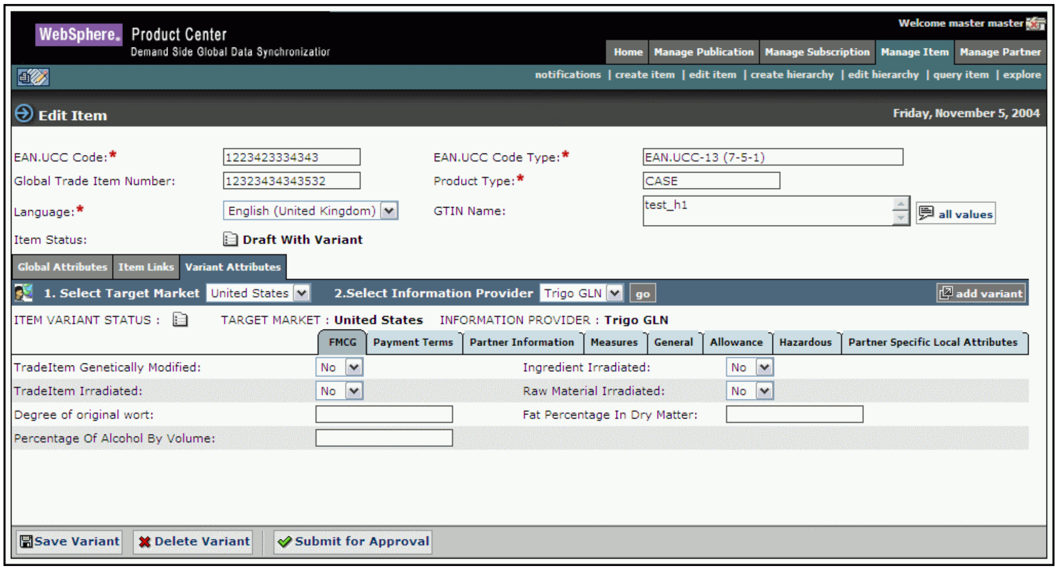
3. Click on the item that you want to submit for compliance check and click **Next**. The *Edit Item* page is displayed.

4. From the **Select Target Market** and **Select Information Provider** drop-down menus, select the target market and the information provider that you want to submit for compliance check. Click **Go**. The screen that allows you to submit for compliance check is displayed.




*Create Item – Submit for Compliance Check*

5. Click **Submit for Compliance Check**. An internal validation is performed on the values that have been entered for the various fields. Once the item passes the compliance check, it has to be approved internally by the appropriate user.




*Create Item - Submit for Approval*

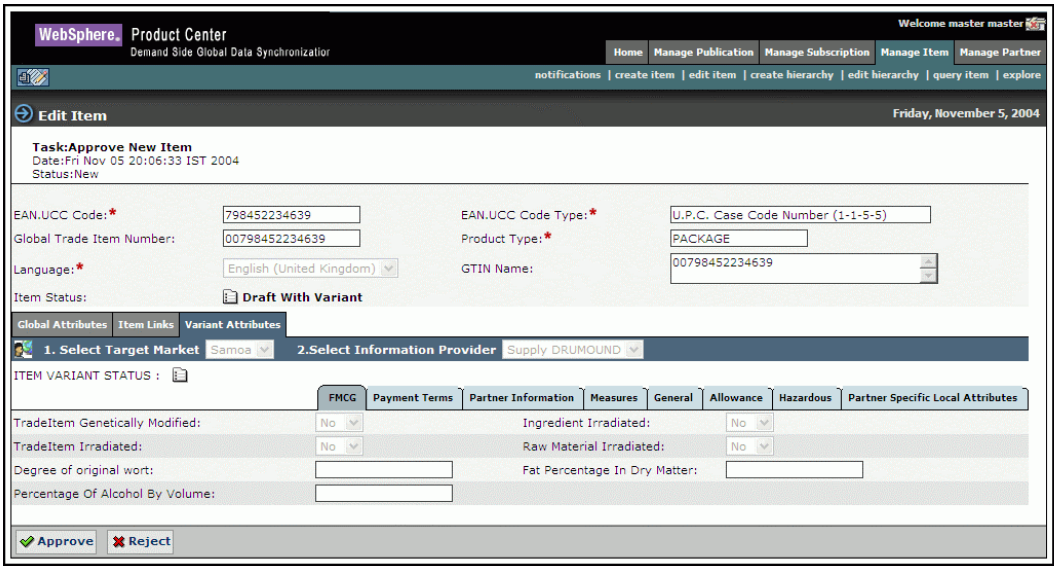
6. Click **Submit for Approval**. The notification “New Item Approval Pending” is sent to the appropriate user to approve the newly created item.

## Approve New Item

To approve an item:

1. In the *New Item Request* tab view, click on the notification “New Item Approval Pending”. The details of the item are displayed.

2. From the **Select Target Market** and **Select Information Provider** drop-down menus, select the target market and the information provider that you want to approve. Click **Go**. The screen that allows you to approve is displayed.




*Create Item – Approve an Item*

3. To approve the item, click **Approve**. The notification message "New Item Approved' is sent to the appropriate user(s).

   To reject the item, click **Reject**. The notification message "New Item Creation Rejected" is sent to the appropriate user(s).

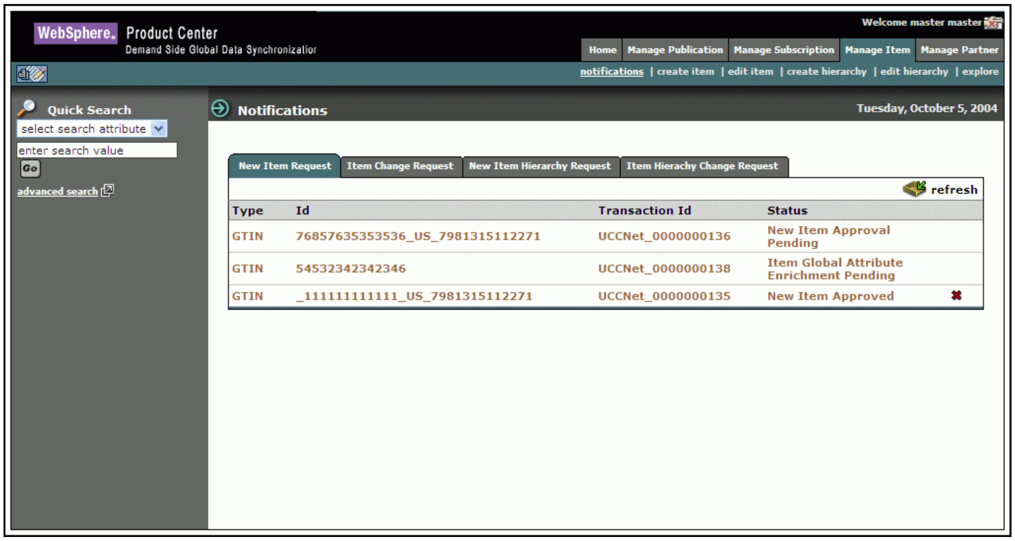
   The notifications are displayed in the *New Item Request* tab view.

## Edit Items

An item that is not yet synchronized can be edited. You can search for the GTIN, then edit the global attributes and the TM+IP combination of that GTIN. Once edited, the changes have to be approved by the appropriate users before they are committed.

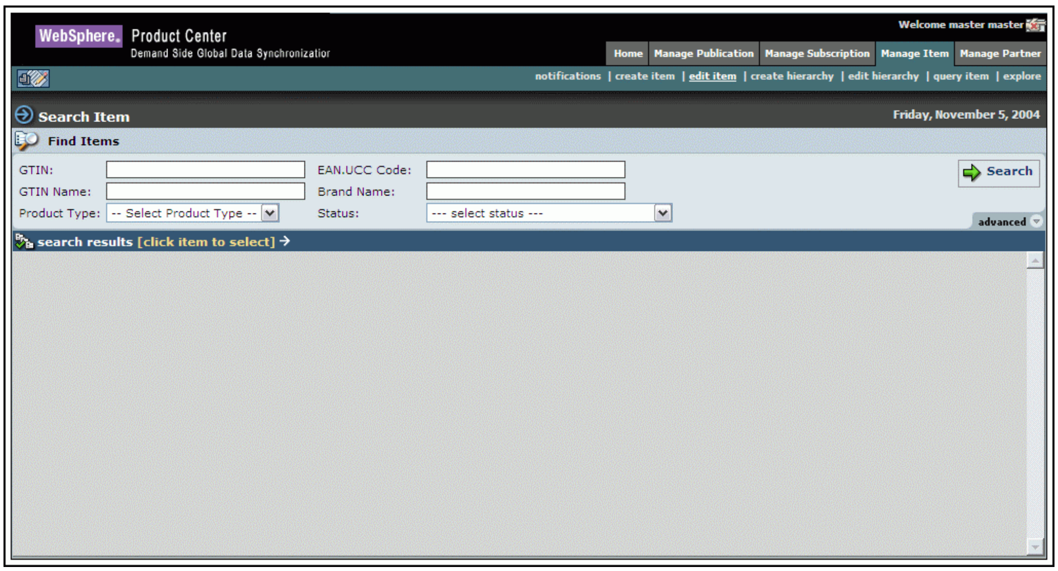
To edit an item:

1. In the *Home* page, click on the **Manage Item** tab. The *Manage Item* tab view is displayed.




*Manage Item Tab View*

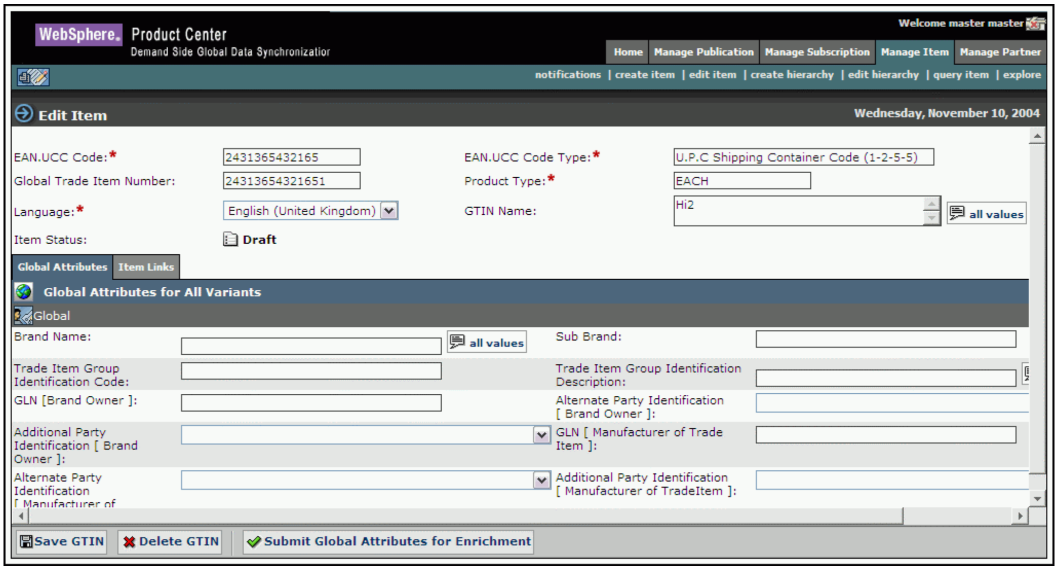
2. Click on the **edit item**s link. The *Edit Item* page is displayed.




*Manage Item – Edit Item*

3. Search for the item that you want to edit. For more information on performing a search, refer the Search for Items section in *Chapter 8 - Search*. The results of the search are displayed in the **search results** area.

4. In the **search results** area, click on the item that you want to delete. The details of that item are displayed.




*Edit Item*

5. Edit the values for the various fields as explained in the *Create Items* section depending on the status of the item.

Note: If the item is in draft status then the Variant attributes tab will not be displayed.

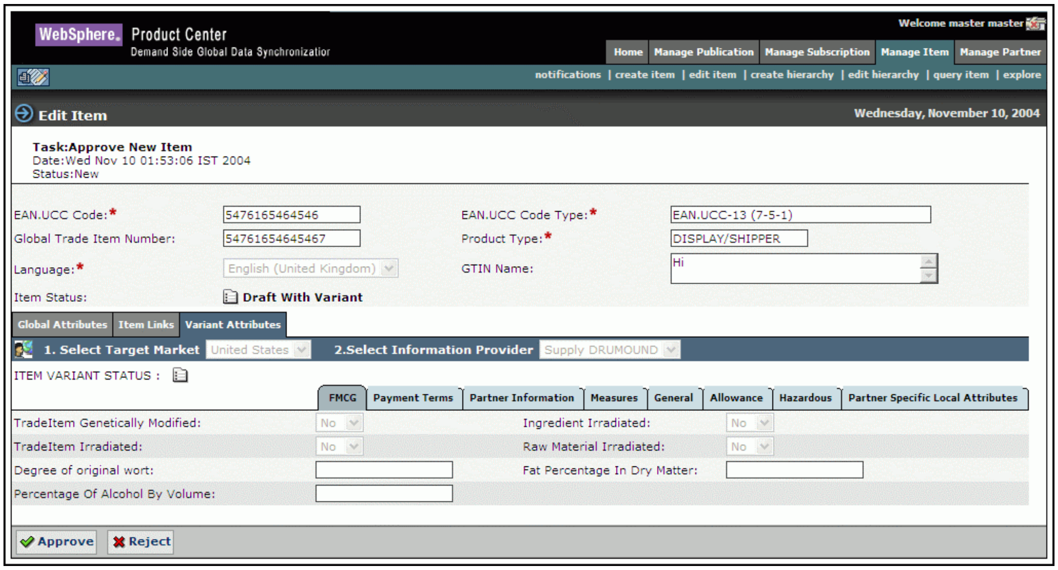
6. After completing the changes click **Save GTIN**. A notification “Modify Item Approval Pending” is sent to the appropriate users.

### Approve an Edited Item

To approve an edited item:

1. In the *Item Change Request* tab view,

2. Click on the notification “Modify Item Approval Pending” for the item that you want to approve. The details of the notification are displayed.




*Edit Item Approval*

3. To approve the item, click **Approve**. The notification message "Edit Item Approved' is sent to the appropriate user(s).

   To reject the item, click **Reject**. The notification message "Edit Item Rejected" is sent to the appropriate user(s).

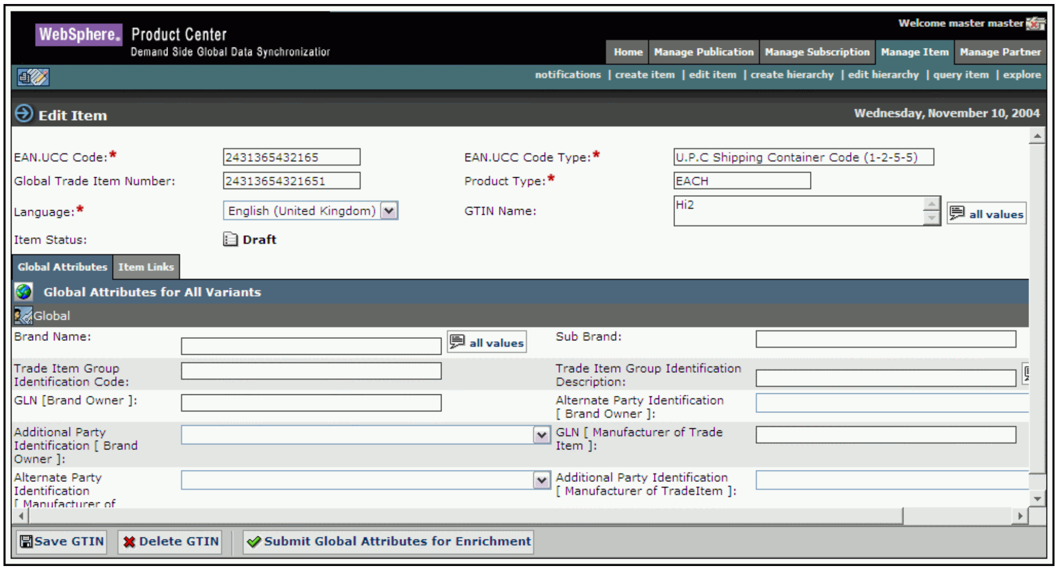
   The notifications are displayed in the *Item Change Request* tab view.

## Delete Item

A GTIN or a TM+IP combination can be deleted from the application, but it will be removed from the application only after a purge program is run by the system administrator. If the GTIN is linked to other GTINs, those links need to be deleted first.

Deletions should be approved by the appropriate users before they are committed.

You can delete a GTIN only when you have created the GTIN and the message Item created successfully is displayed.



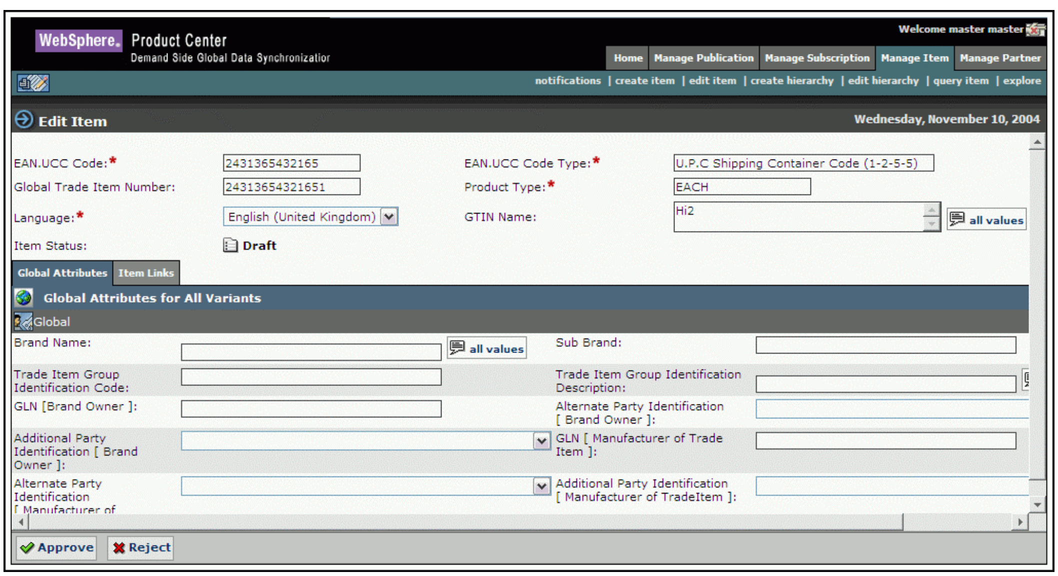

*Delete Item*

Click **Delete GTIN**. The notification message "Item Deletion Approval Pending" is sent to the appropriate user(s) to approve the deletion of the item.

## Approve Deleted Item

To approve the deleted item:

1. In the *Item Change Request* tab view, click on the notification message "Item Deletion Approval Pending". The details of the notification are displayed.




*Approve Deleted Item*

2. To approve the deletion, click **Approve**. The notification message "Item Deletion Approved" is sent to the appropriate user(s).

To reject the deletion of the item, click **Reject**. The notification message "Item Deletion Rejected" is sent to the appropriate user(s).

## Create Hierarchy

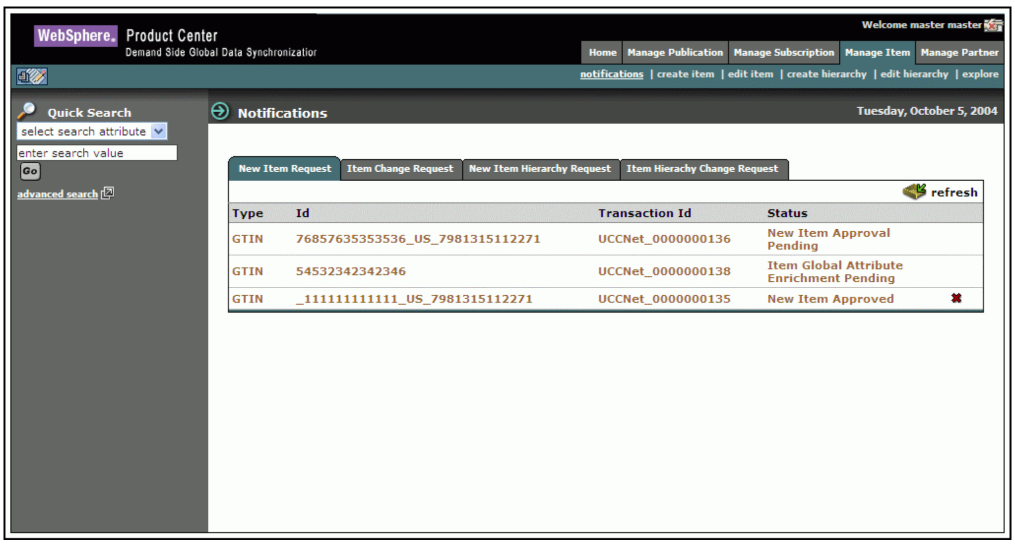
You can create item hierarchies in the IBM Global Data Synchronization for WebSphere Product Center application.

Once items have been created in the system, you can link items to create item hierarchies. This link is a unique relationship where the highest level GTIN in the link will have no parent and the lowest level GTIN will have no children.

Ensure that the created items in the hierarchy are in the right order. Only the items of the lower product type can be the children of Items of higher product type (that is, a pallet is the parent of a case and not vice versa). If they are not in the right order, an error message is displayed. After item links are created, it has to be approved by the appropriate user.

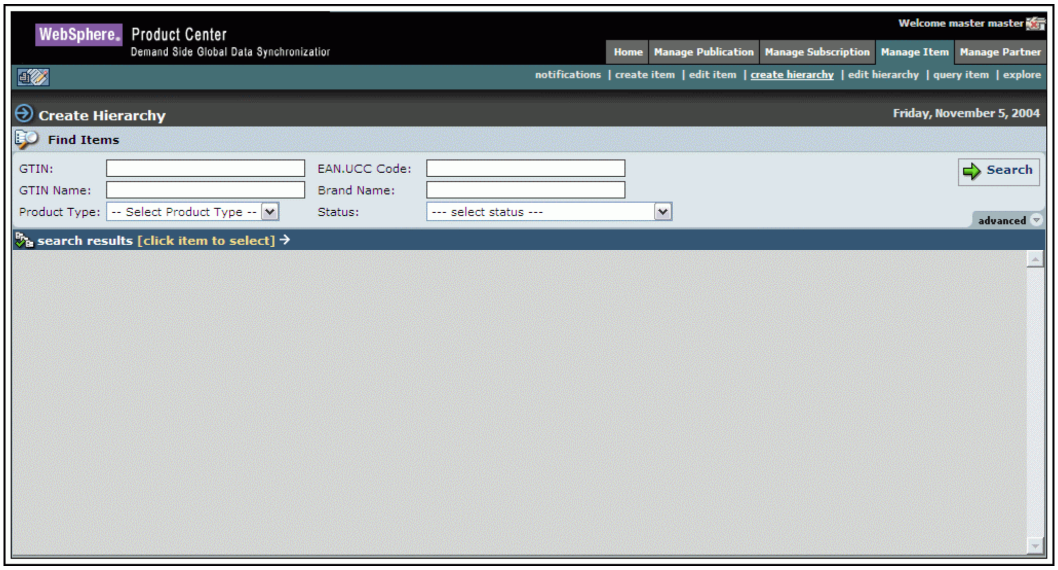
To create an item hierarchy:

1. In the *Home* page, click on the **Manage Item** tab. The *Manage Item* tab view is displayed.




*Manage Item Tab View*

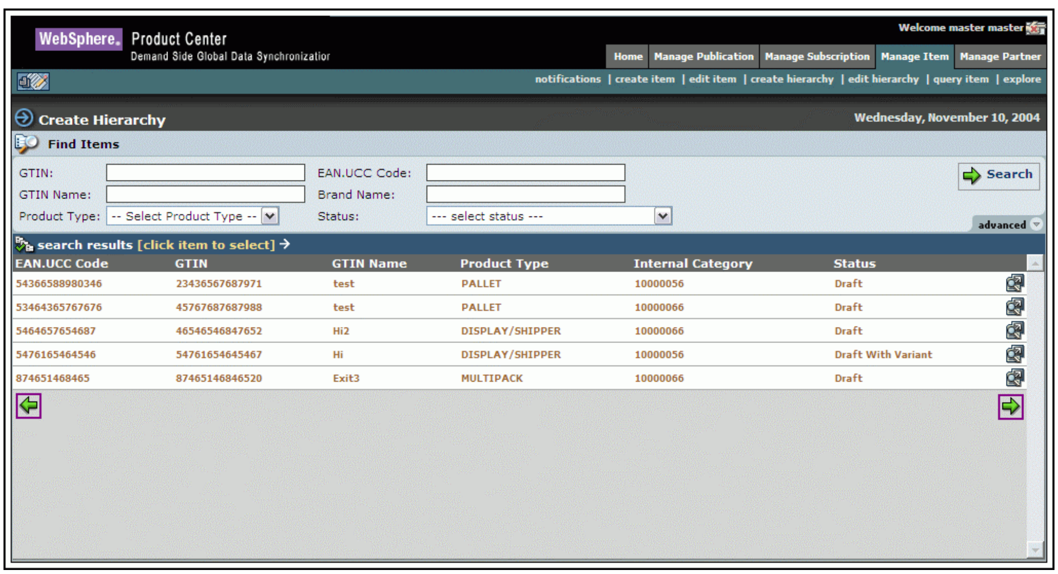
2. Click on the **create hierarchy** link. The *Search* page is displayed.



*Create Hierarchy - Search*

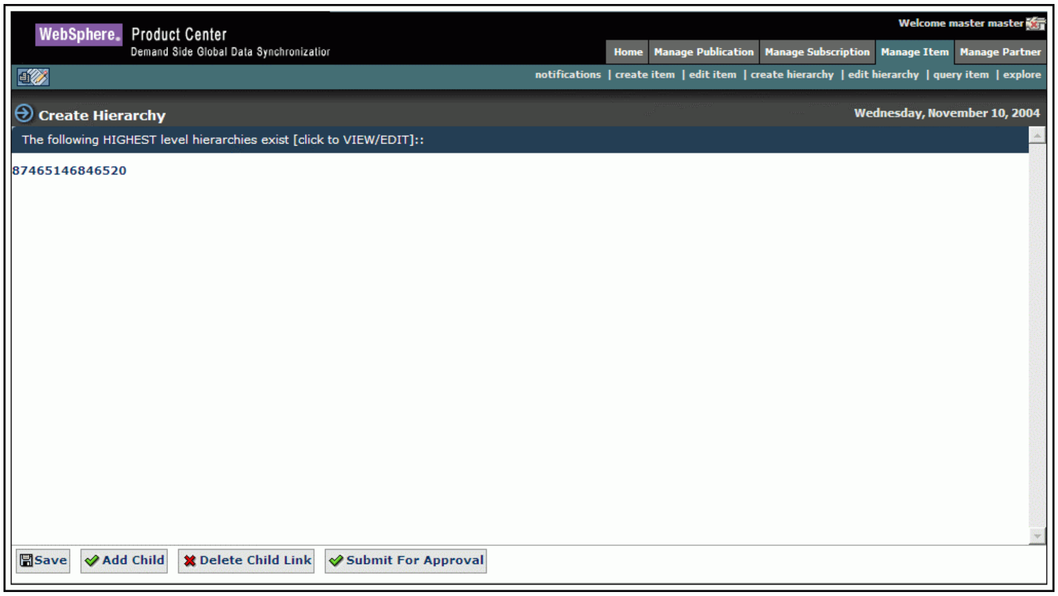
3. Search for the GTIN for which you want to create links. For information about performing a search, refer the Search for Items section in *Chapter 8 - Search*. The search results are displayed in the **search results** area.

4. Click on the GTIN. The *Items Links For* page is displayed.



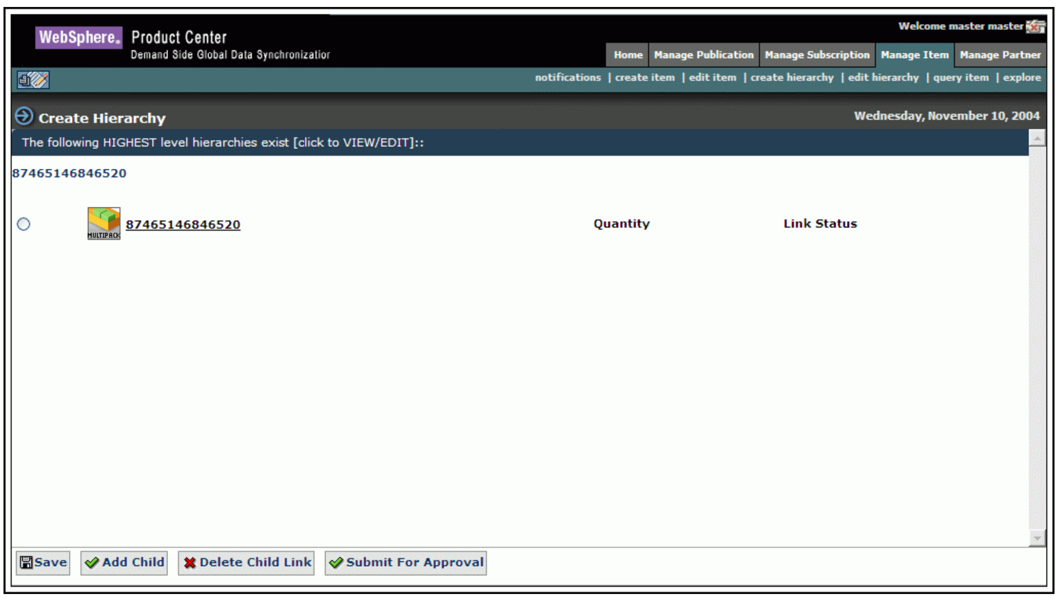
*Search Results*

5. Click on the displayed GTIN. The following page is displayed.



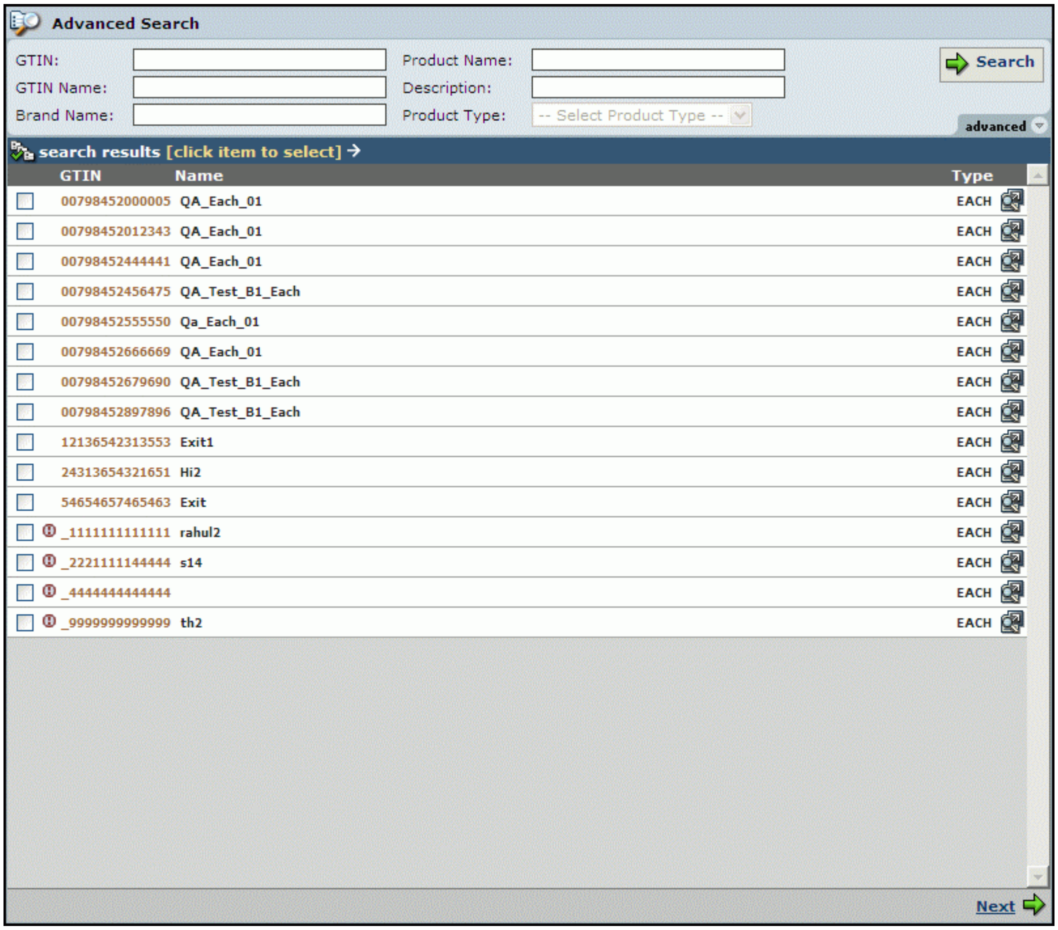

*Create Hierarchy*

6. Click on the GTIN, the details of the hierarchy are displayed along with the icon that gives the product type of that particular item.



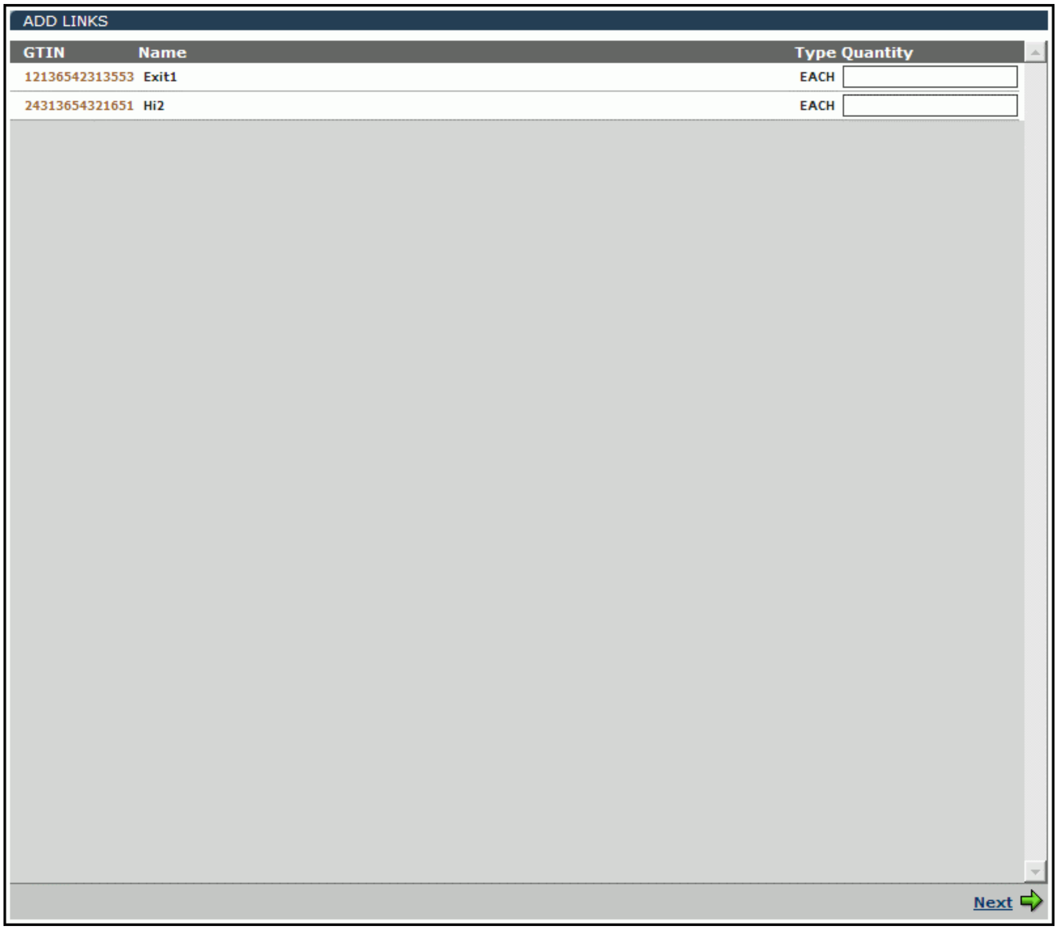

*Create Hierarchy*

7. Select the GTIN and click **Add Child** to add a child to the selected GTIN. The *Search* page is displayed. Type in the search parameters and click **Search**. The search results display only those GTIN(s) that can be children of the selected GTIN are displayed in the **search results** area.



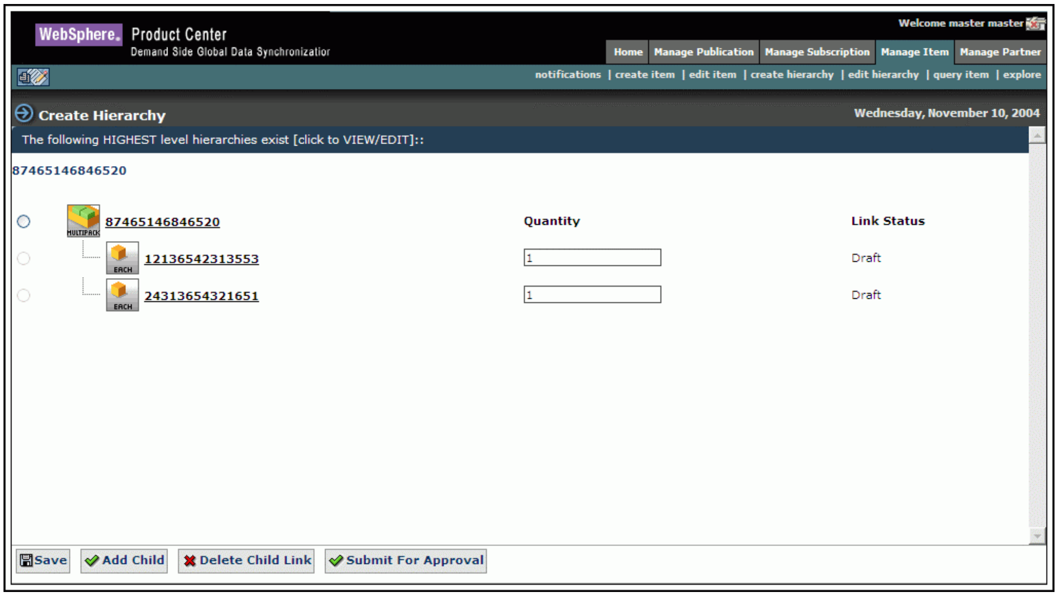

*Search Results*

8. Select the GTIN(s) that you want to add as the child, and click **Next**. The *Add Links* page displays the selected GTIN(s).




*Create Hierarchy – Enter Quantity*

9. Type the quantity for the GTIN(s) in the text box and click **Next**. The selected GTIN(s) and the quantity are displayed in the *Items Links For* page.




*Create Hierarchy – With Links*

If you want to add more GTIN as links, repeat the steps 6, 7, and 8.

To delete any link, select the GTIN and click **Delete Child Link**. For more information about deleting item links, refer the section Delete Item Links.

10. Click **Submit For Approval.** The notification message "New Item Link approval Pending" is sent to the appropriate user (s) to approve the hierarchy. The notification is displayed in the *Item Hierarchy Request* tab view in the *Manage Item* page.

Note: Approval can be turned on or off through the configuration of the IBM Global Data Synchronization for WebSphere Product Center application.

## Approve New Hierarchy

To approve the created hierarchy:

1. In the *Item Hierarchy Request* tab view, click on the notification "Modify Item Link Approval Pending". The details of the notification are displayed.

2. In the notification details screen, Click **Approve** to approve the hierarchy. The notification message "Modify Item Link Approved" is sent to the appropriate user(s).
   To reject the hierarchy, click **Reject**. The notification message "New Item Link Rejected" is sent to the appropriate user (s).

   These notifications are displayed in the *Item Hierarchy Request* tab view.

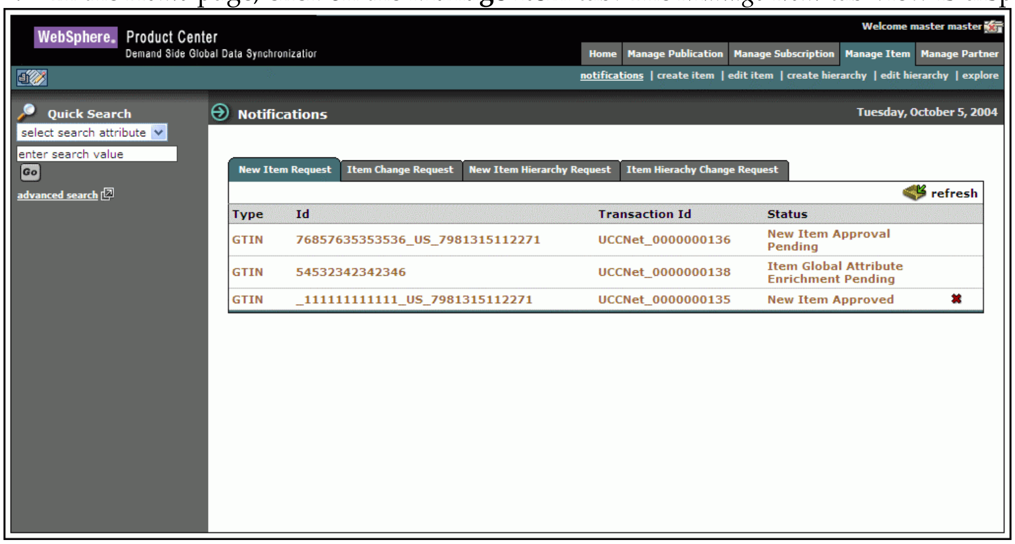
## *Edit Hierarchy*

An item link that is not yet added to the data pool can be edited. You can edit the parent GTIN's link. Once edited, the changes have to be approved by the appropriate users before they are committed.

**Procedure**

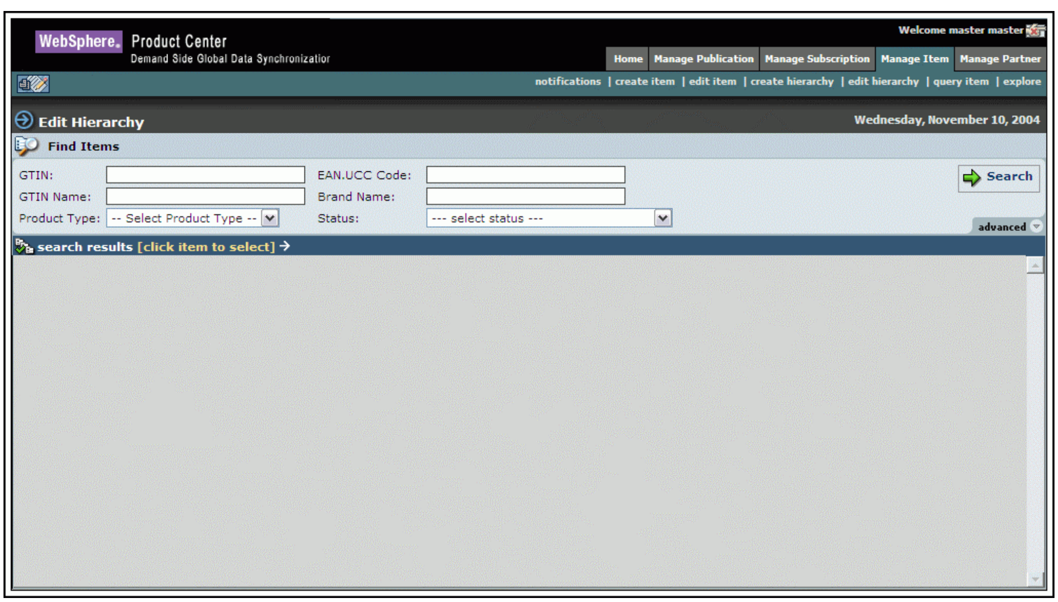
To edit an item hierarchy:

1. In the *Home* page, click on the **Manage Item** tab. The *Manage Item* tab view is displayed.



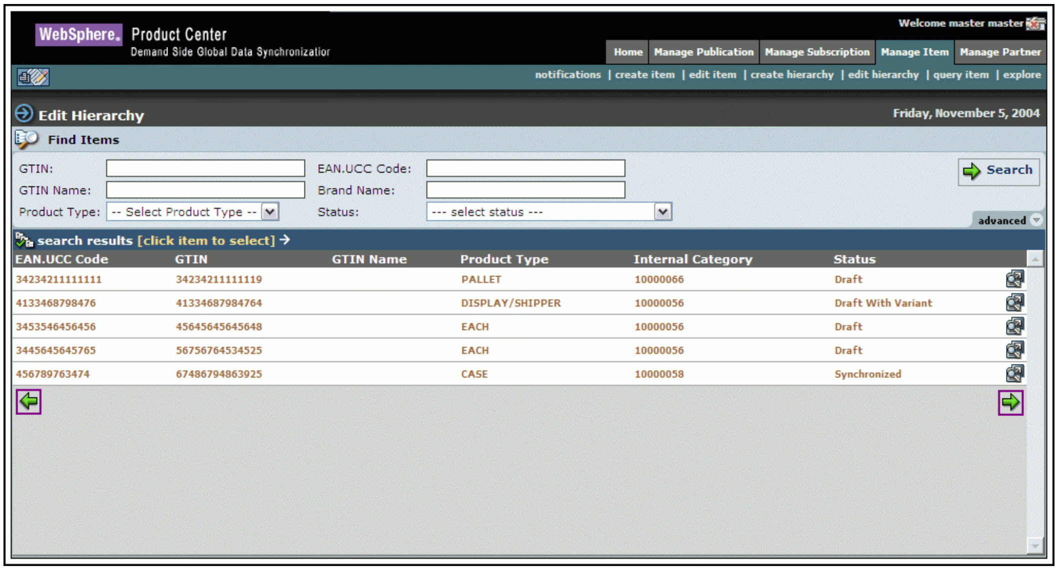

*Manage Item Tab View*

2. Click on the **edit hierarchy** link. The *Search* page is displayed.




*Edit Hierarchy –Search*

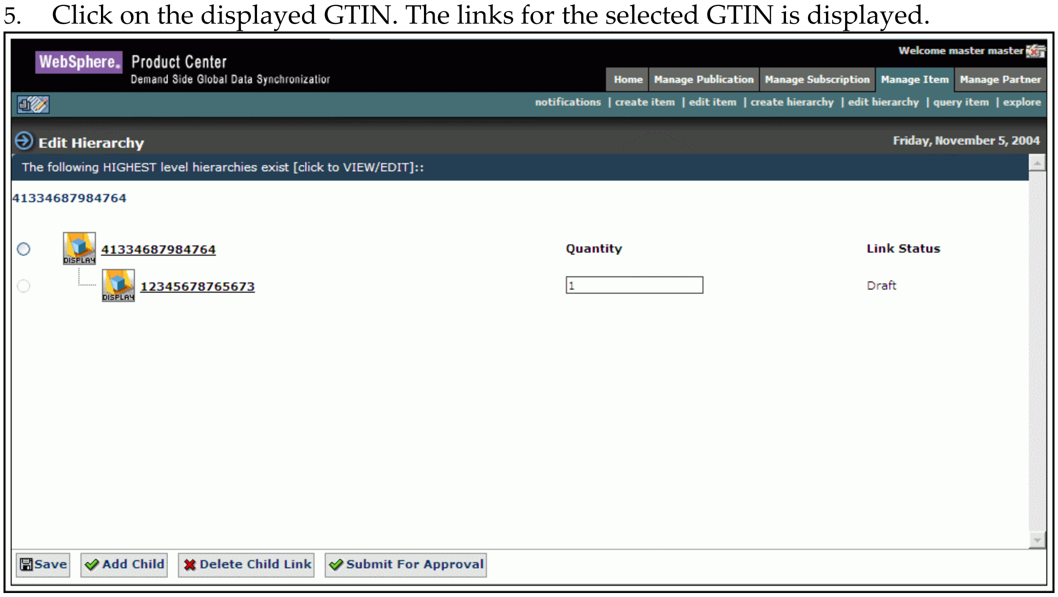
3. Type the search parameters in the fields and click **Search**. For more information on performing a search, refer the Search for Items section in *Chapter 8 - Search*. The search results are displayed in the **search results** area.



*Edit hierarchy - Search results*

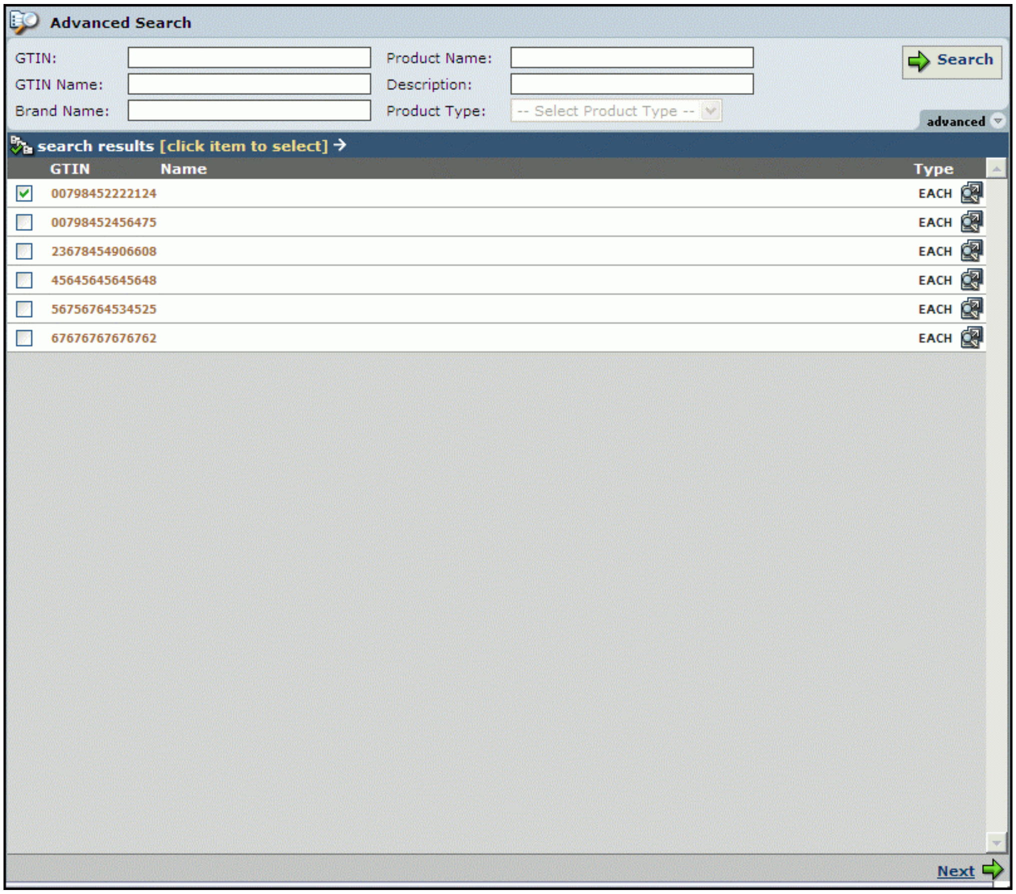
4. Select the GTIN for which you want to edit the hierarchy and click **Next**. The *Edit Hierarchy* page is displayed.

5. Click on the displayed GTIN. The links for the selected GTIN is displayed.



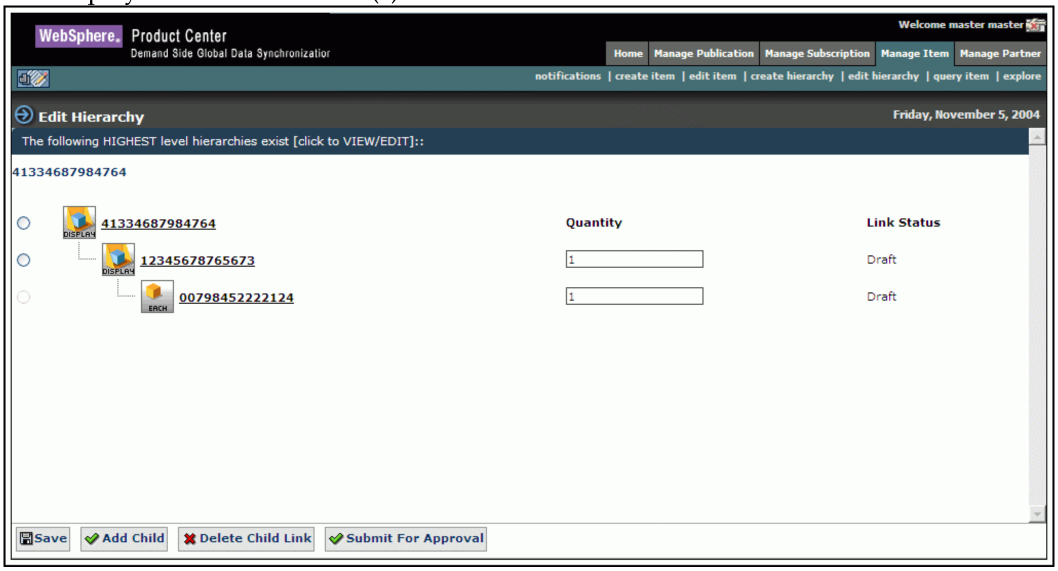
*Edit Hierarchy – Item Links*

6. Select the GTIN and click **Add Child** to add a child to the selected GTIN. The *Search* page is displayed. Type in the search parameters and click **Search**. The search results are displayed in the **search results** area. Only those GTINs that can be children of the parent GTIN are displayed.




*Add Child – Search Results*

7. Select the GTIN(s) that you want to add as the child, and click **Next**. The *Add Links* page displays the selected GTIN(s).




*Edit Hierarchy - Add Links*

8. Type the quantity for the GTIN(s) in the text box and click **Save**. The selected GTIN(s) and the quantity are displayed in the *Items Links For* page.
9. To delete any link, select the GTIN and click **Delete Child Link**. For more information about deleting item links, refer the section Delete Item Links.
10. Click **Submit For Approval.** The notification message “Edit Item Link Approval Pending” is sent to the appropriate user to approve the hierarchy. The notification is displayed in the *Item Hierarchy Change Request* tab view in the *Manage Item* page.

Note: Approval can be turned on or off through the configuration of the IBM Global Data Synchronization for WebSphere Product Center application.

## Approve Edited Hierarchy

To approve the created hierarchy:

1. In the *Item Hierarchy Change Request* tab view, click on the notification “Edit Item Link Approval Pending”. The details of the notification are displayed.
2. In the screen where notifications details are displayed, Click **Approve** to approve the hieararchy. The notification message “Edit Item Link Approved” is sent to the appropriate user(s).
   To reject the hierarchy, click Reject. The notification message “Edit Item Link Rejected” is sent to the appropriate user (s).

   These notifications are displayed in the *Item Hierarchy Change Request* tab view.

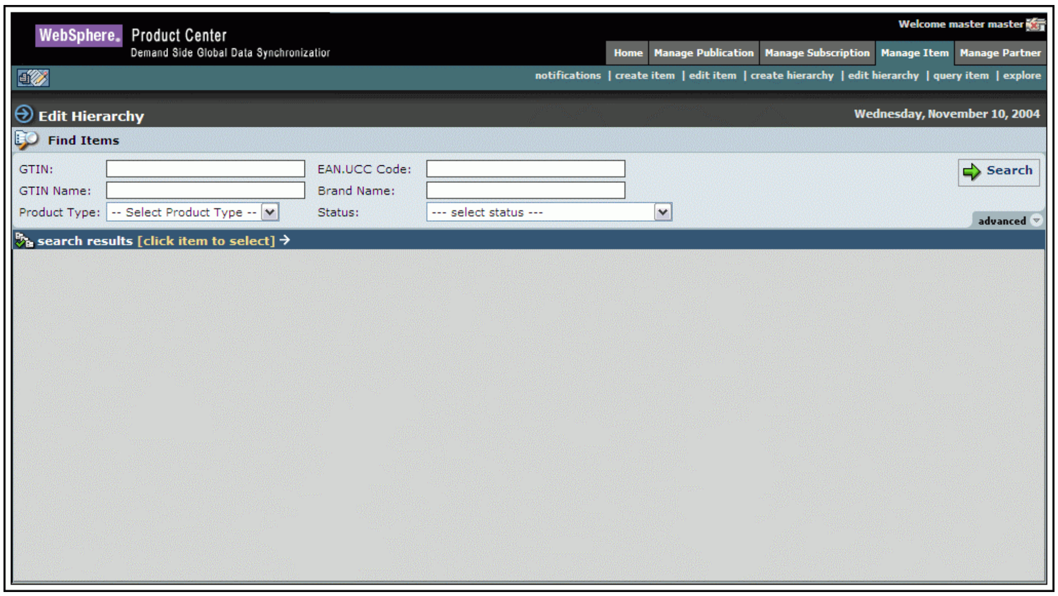
### *Delete Item Links*

An item link that is added to the data pool, but not yet published to any supply side trading partners, can be deleted. Deletions should be approved by the appropriate user before they are committed. You cannot delete item links that have already been published to supply side trading partners.

Note: When you delete a parent item link, all the child item links also get deleted.

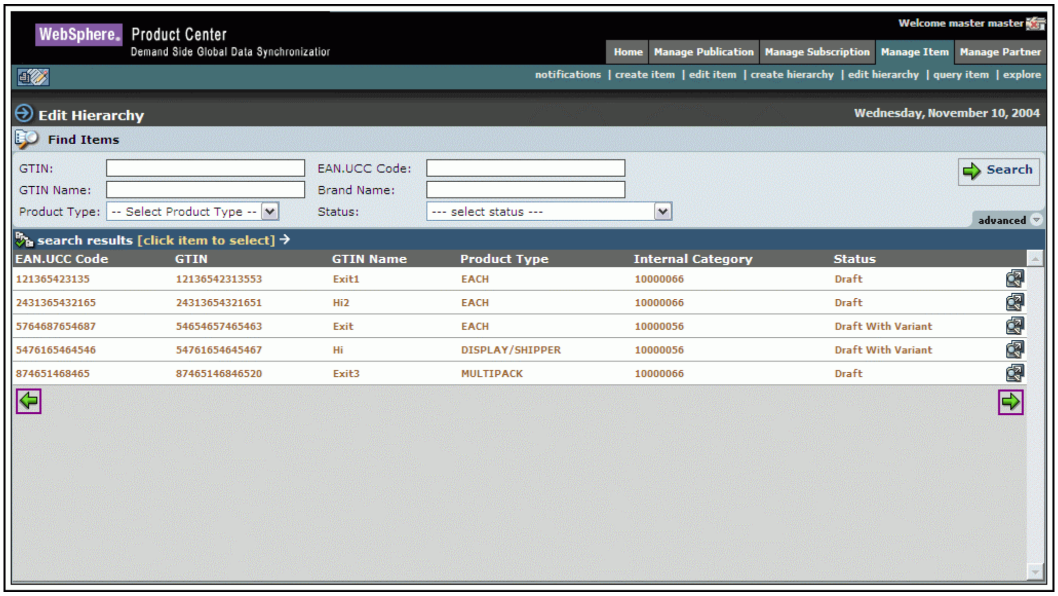
To delete item links:

1. Under **Manage Item** tab, click on the **edit hierarchy** link.



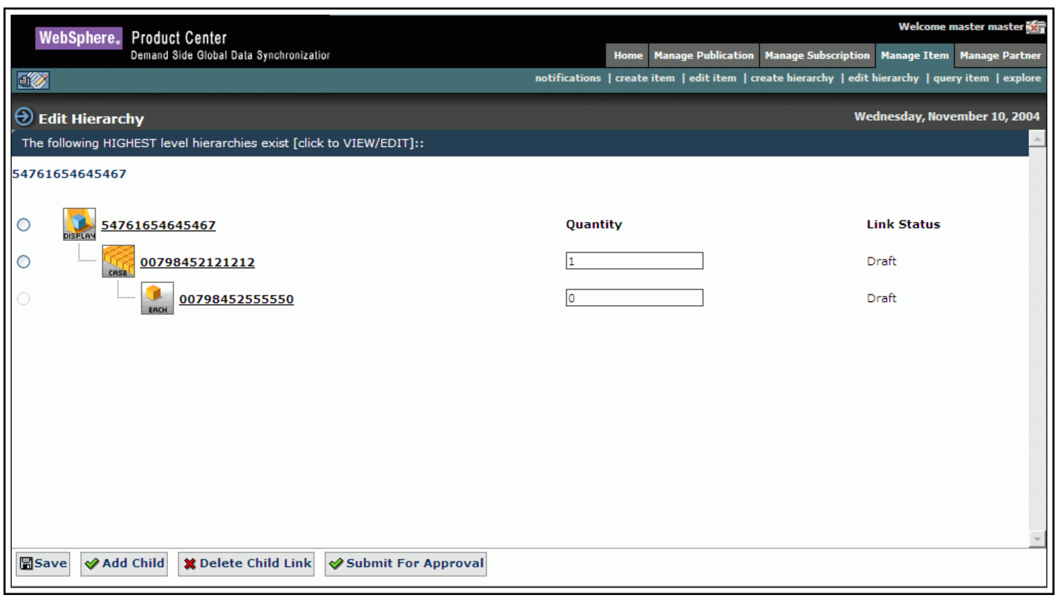

*Edit hierarchy- Search*

2. Search for the GTIN for which you want to create links. For information about performing a search, refer the Search for Items section in *Chapter 8 - Search*. The search results are displayed in the **search results** area.



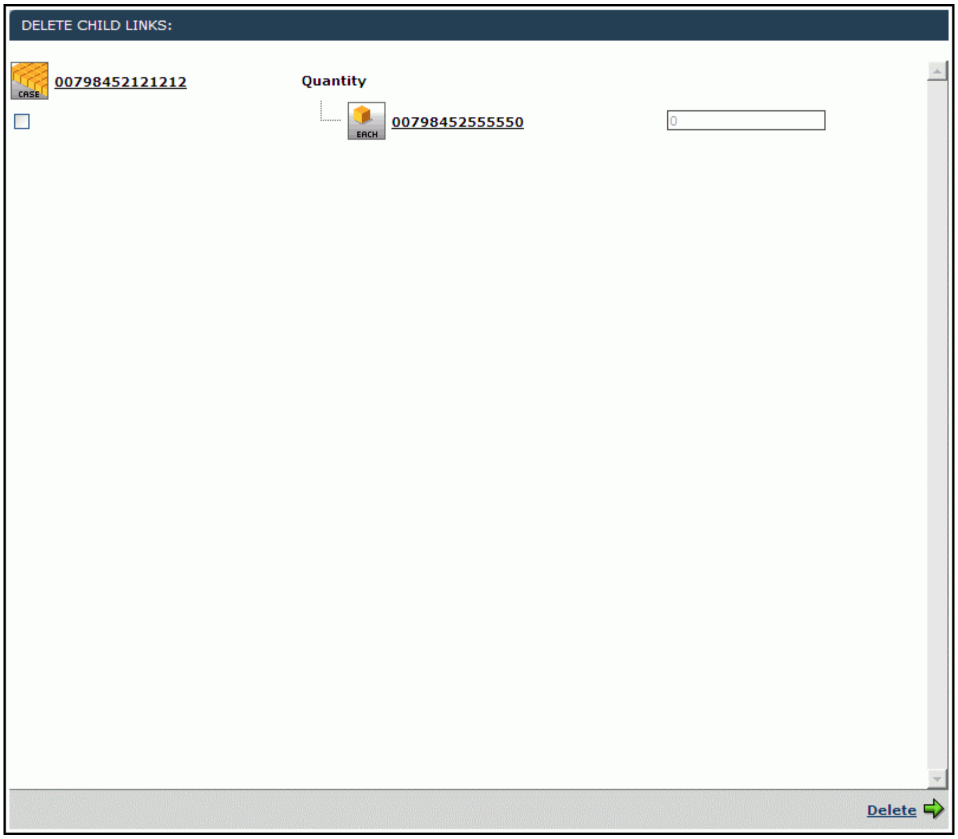
*Search Results*

3. Select the GTIN that you want to delete links for. The details of the hierarchy are displayed.



*Hierarchy Details*

4. In the *Items Links For* page, select the link that you want to delete and click **Delete Child Link**. The *Delete Child Links* window displays the links that you have selected.




*Delete child Link*

5. Select the child links that you want to delete and Click **Delete**. The notification message "Item Link Deletion Approval Pending" is sent to the appropriate user. This notification is displayed in the *Item Hierarchy Change Request* tab view.

### Approve Deleted Item Links

To approve the created hierarchy:

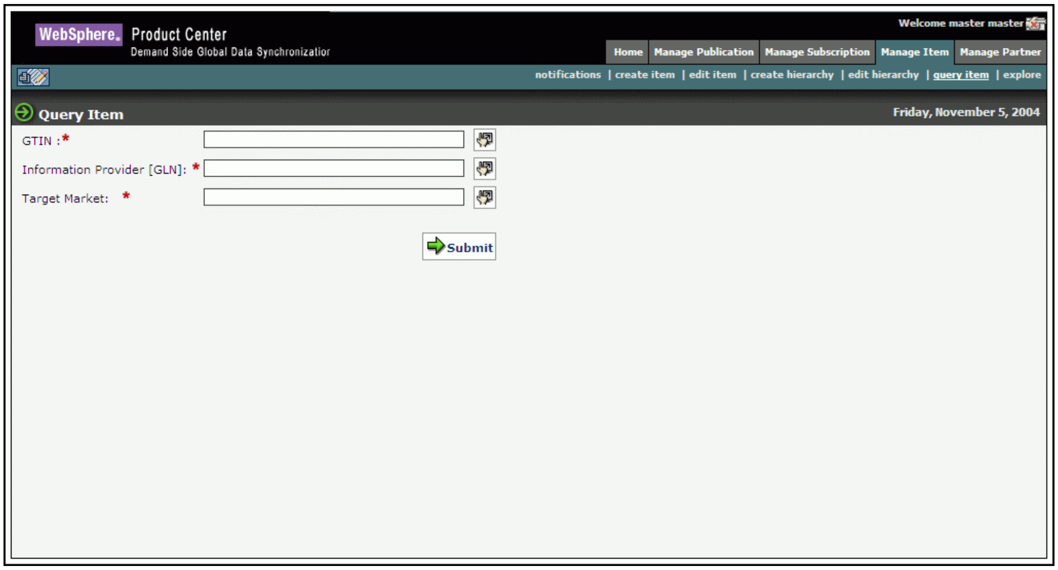
1. In the *Item Hierarchy Change Request* tab view, click on the notification "Item Link Deletion Approval Pending". The details of the notification are displayed.
2. In the page where notification details are displayed, Click **Approve**, to approve the deletion. The notification message "Item Link Deletion Approved" is sent to the appropriate user(s).
   To reject, click **Reject**. The notification message "Item Link Deletion Rejected" is sent to the appropriate user (s).

   These notifications are displayed in the *Item Hierarchy Change Request* tab view.

## *Query Item*

You can query for an Item in the UCCnet data pool to check whether the item exists or not in the data pool. If the Item exists in the Data Pool, then a notification is sent to the user who has queried for the item. You can query for an item based on the GTIN, GLN and Target Market.

To query an Item, click on the Query Items link under that Manage Items link. The Query Items page is displayed




*Query Item*

In the Query items page:

1. In the **GTIN** field, type the global trade item number of the item for which you want to receive publications. You can also select the GTIN using the **Lookup** icon.
2. In the **GLN** field, type the global location number. You can also select the global location number using the **Lookup** icon.
3. In the **Target Market** field, type the name of the target market. You can also select the target market using the **Lookup** icon.
4. Click on the **Submit** button. The results will be sent as a notification. You can view this notification under the **Query Item requests** tab.

## Explore Items

For more information on searching for items refer to the section *Search for trade items* in *Chapter – 8 Search*

# Ch 7 Manage Partners

This chapter describes the various tasks related to managing trading partners within the IBM Global Data Synchronization for WebSphere Product Center application.

A trading partner is an organization or an individual with whom information or data is accessed or exchanged in the supplier chain, such as a manufacturer (seller), retailer (buyer), or distributor.

You can view and process trading partner requests. You can also create new partners or modify information on existing partners.

Topics include:

- View Notifications
- Create Trading Partner
- Modify Trading Partner
- Delete Trading Partner

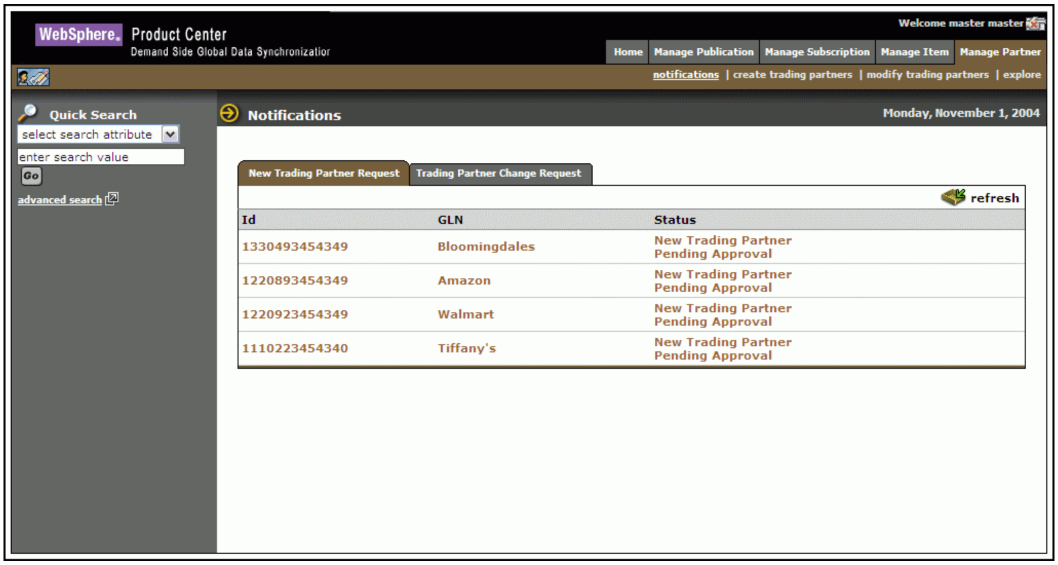
You can create and modify a trading partner from the *Home* page. The tasks are displayed in **Quick Tasks** on the left navigation pane.

## *View Notifications*

You can view all notifications related to trading partner requests in the *Notifications* page. This page contains the following tabs:

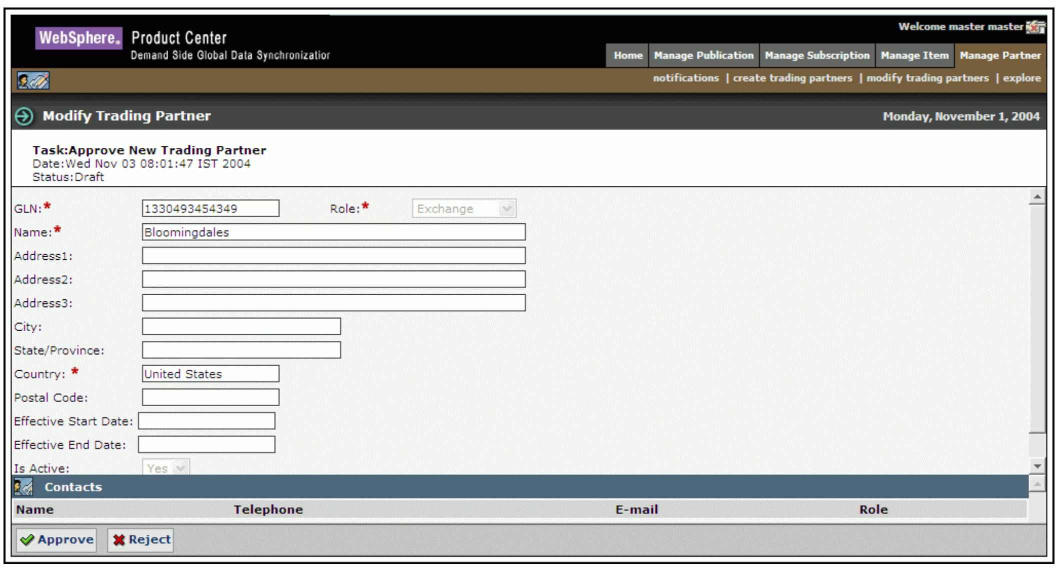
- New Trading Partner Request
- Trading Partner Change Request

To view the list of notifications for each, click on the corresponding tab. The *New Trading Partner Request* tab view is displayed by default.




*Manage Partner - Notifications*

Each notification is represented by a GTIN.  To view the details of a notification, click on the notification. The *Notification Details* page is displayed.




*Manage Partner – Notification Details*

Notifications that are for information only can be viewed and dismissed. To remove the notification from the list, click on the **Delete** icon.

## Create Trading Partner

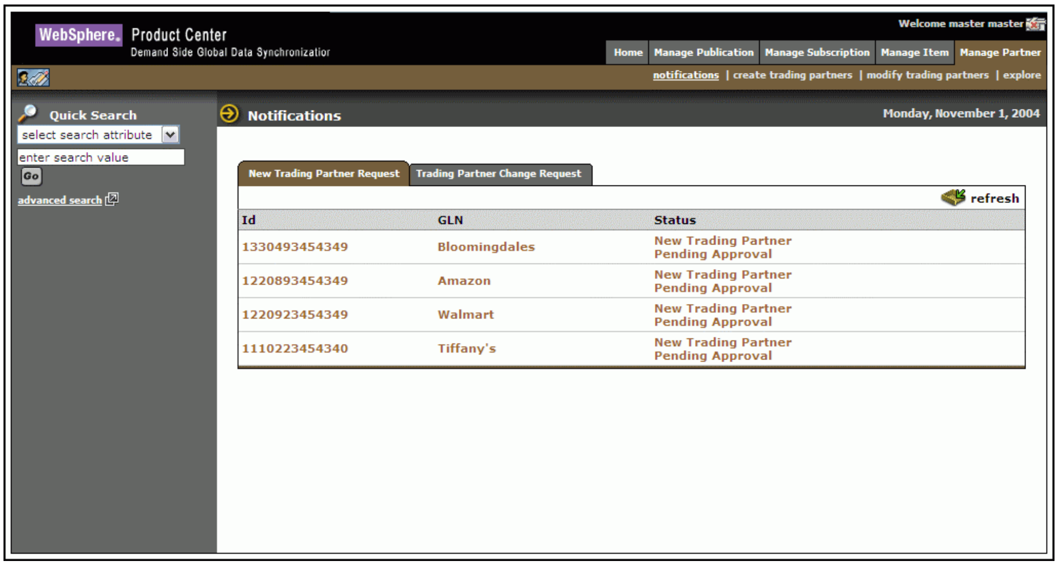
You can create a record of a trading partner in the system where the data synchronization is performed. You can specify the following information in the record:

- Trading Partner Identification (GLN) - The trade location of the trading partner.
- Trading Partner Role – A role can be that of a exchange, retailer, supplier, or manufacturer.

- Trading Partner Contact – The contact details of the trading partner, such as telephone numbers and e-mail addresses.
- Trading Partner Name and Address – The name and address of the trading partner.
- Last Changed Date – The date when the record was last updated.

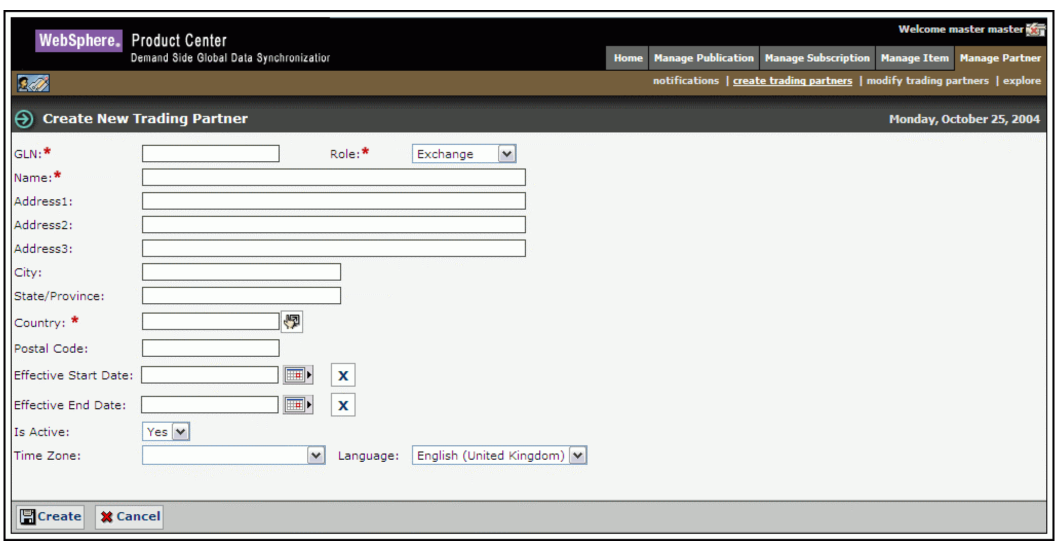
To create a trading partner:

1. In the *Home* page, click on the **Manage Partner** tab. The *Manage Partner* tab view is displayed.



*Manage Partner Tab View*

2. Click on **create trading partners** link. The *Create New Trading Partner* page is displayed.



*Create New Trading Partner*

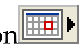
3. Type the trading partner information in the listed fields:

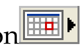
a. In the **GLN** field, type the global location number. This is the unique 13-digit number used to identify a trade location.

b. From the **Role** drop-down menu, select the role of the trading partner. Options available are Exchange, Manufacturer, Retailer, and Supplier.

c. In the **Trading Partner Name** field, type the name of the trading partner.

d. Fill in the location details of the trading partner in the listed fields.

e. In the **Effective Start Date** field, click on the **Calendar** icon  to select the start date.

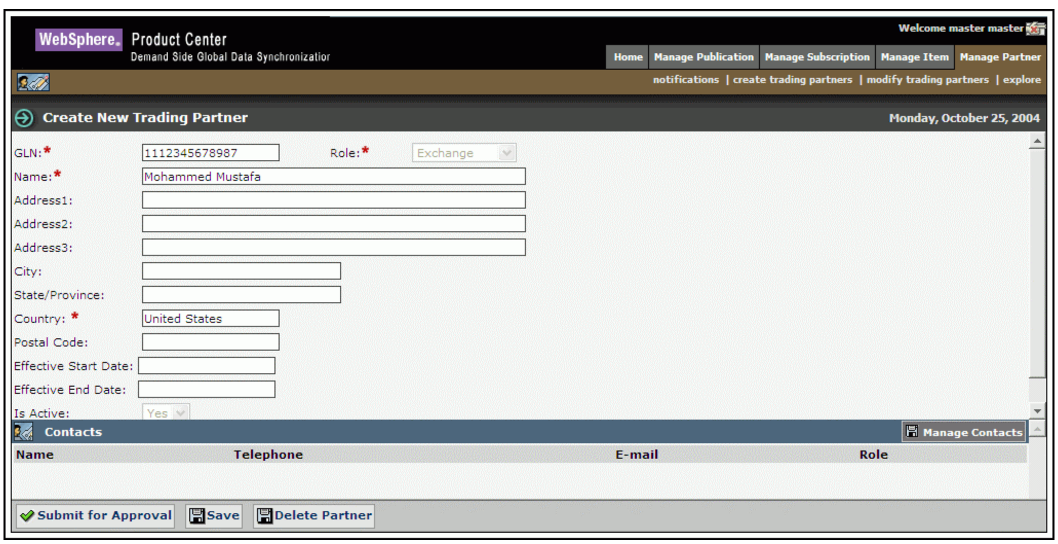
f. In the **Effective End Date** field, click on the **Calendar** icon  to select the end date.

g. From the **Status** drop-down menu, select the status of the trading partner. Options available are Active and Inactive.

h. From the **Time Zone** drop-down menu, select the time zone relevant to the trading partner. Options available are Eastern, IST, GMT, and Pacific.

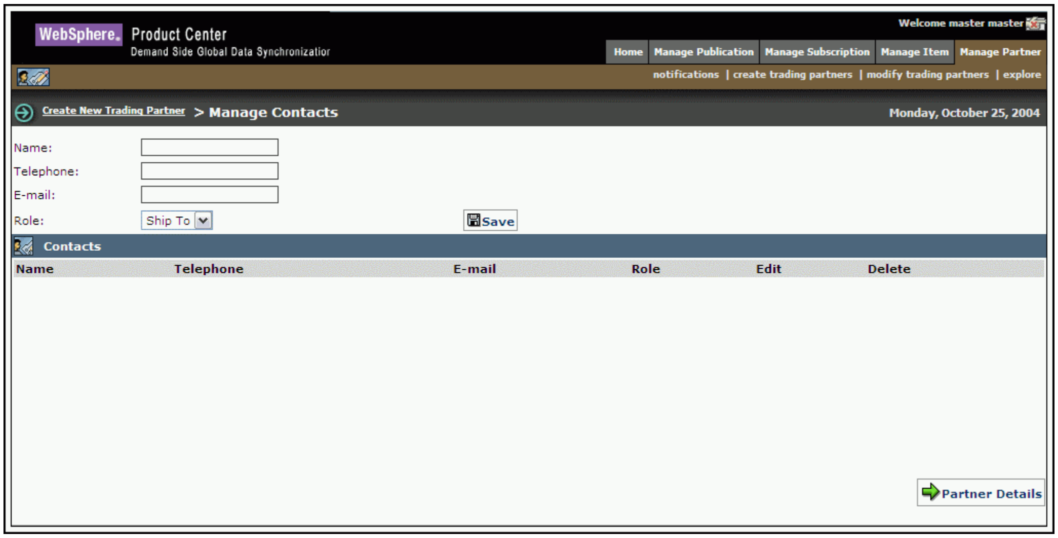
i. From the **Language** drop-down menu, select the language of the trading partner.

4. Click **Create**. The trading partner is created and the **Contacts** table is displayed on the same page.




*Create New Trading Partner - Contacts*

5. To add contact details, click **Manage Contacts**. Text entry fields where you can add contact information are displayed.




*Create New Trading Partner – Manage Contacts*

6. Type the contact details in the listed fields:

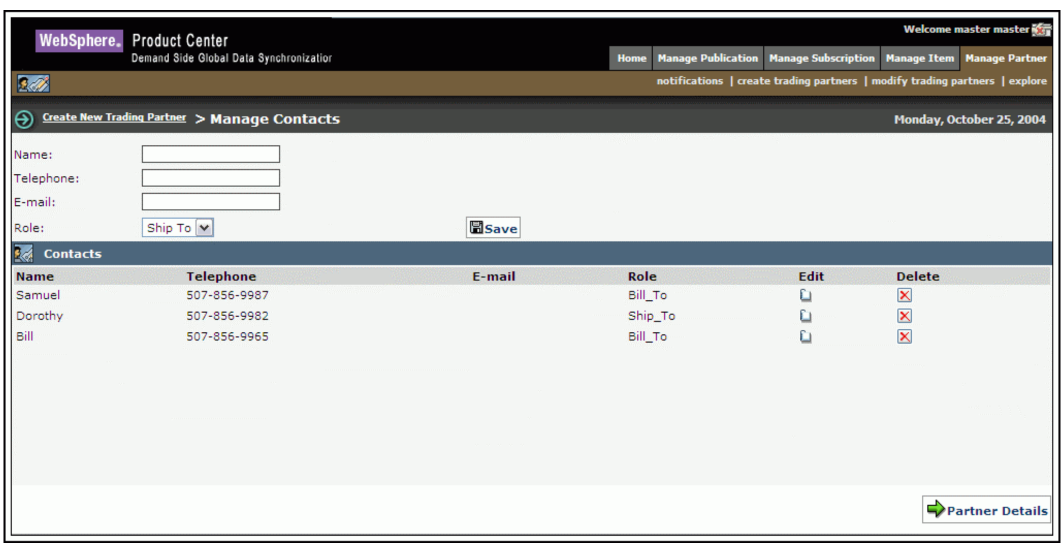
   a. In the **Name** field, type the name.

   b. In the **Telephone** field, type the telephone number.

   c. In the **Email** field, type the email address.

   d. From the **Role** drop-down menu, select the role of the contact person for that trading partner.

7. Click **Save**. The contact details are displayed in the **Contacts** area.



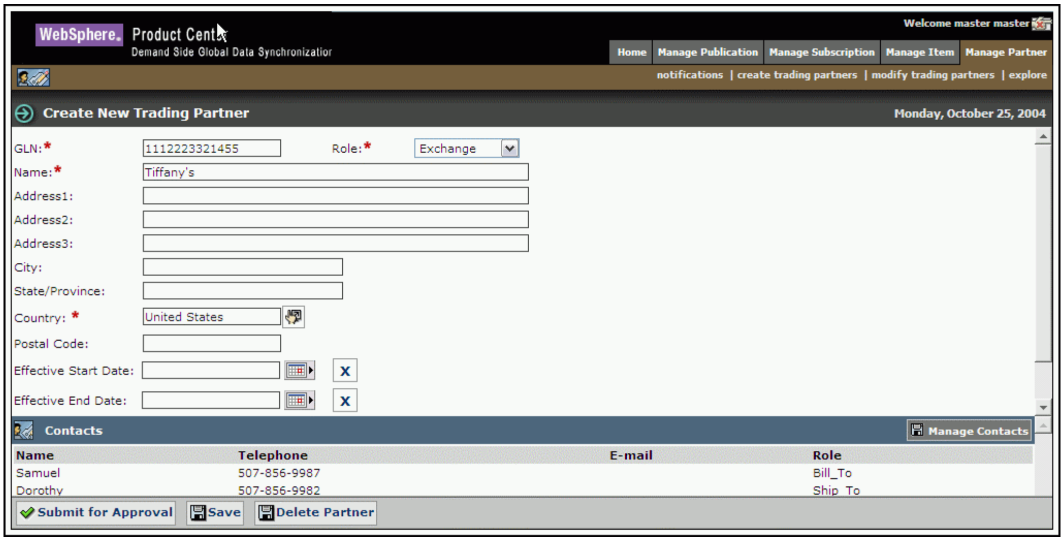

*Manage Contacts – New Contacts*

To add details of another contact, repeat steps 6 and 7.

To edit a contact, click on the **Edit** icon.

To delete the contact information, click on the **Delete** icon. The contact information for that contact is removed from the **Contacts** area.

8. When you finish adding contacts, click **Partner Details**. The *Create New Trading Partner* page is displayed again. The contacts that you have added are displayed in the **Contacts** area.




*Create New Trading Partner with Contacts*

9. After filling in the details for the trading partner, click **Submit for Approval**. The notification “New Trading Partner Pending Approval” is sent to the appropriate user for approval. The notification is displayed in the *New Trading Partner Request* tab view in the *Manage Trading Partner* page.

10. If you have not finished adding the information, and you want to save a draft version, click **Save**.

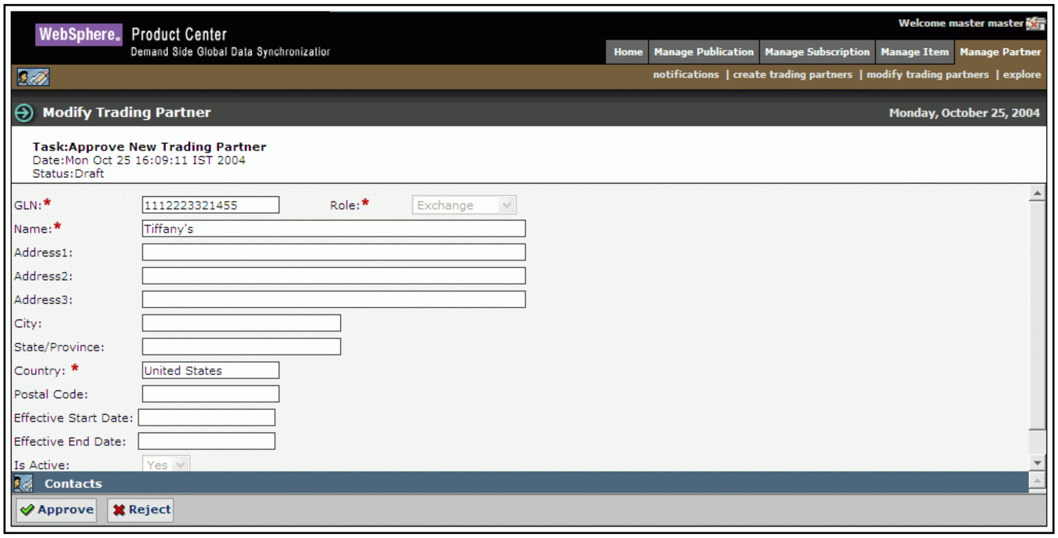
11. To delete the trading partner, click **Delete Partner**.

## Approve New Trading Partner

When a new trading partner is sent for approval, the notification for approving the new trading partner is displayed in the *New Trading Partner Request* tab view.

To approve a new trading partner:

1. In the *New Trading Partner Request* tab view, click on the notification “New Trading Partner Pending Approval”. The details of the notification are displayed.




*Trading Partner - Approval*

2. To approve the item, click **Approve**. The notification message "New Trading Partner Approved' is sent to the appropriate user(s).

   To reject the item, click **Reject**. The notification message "New Trading Partner Rejected" is sent to the appropriate user(s).

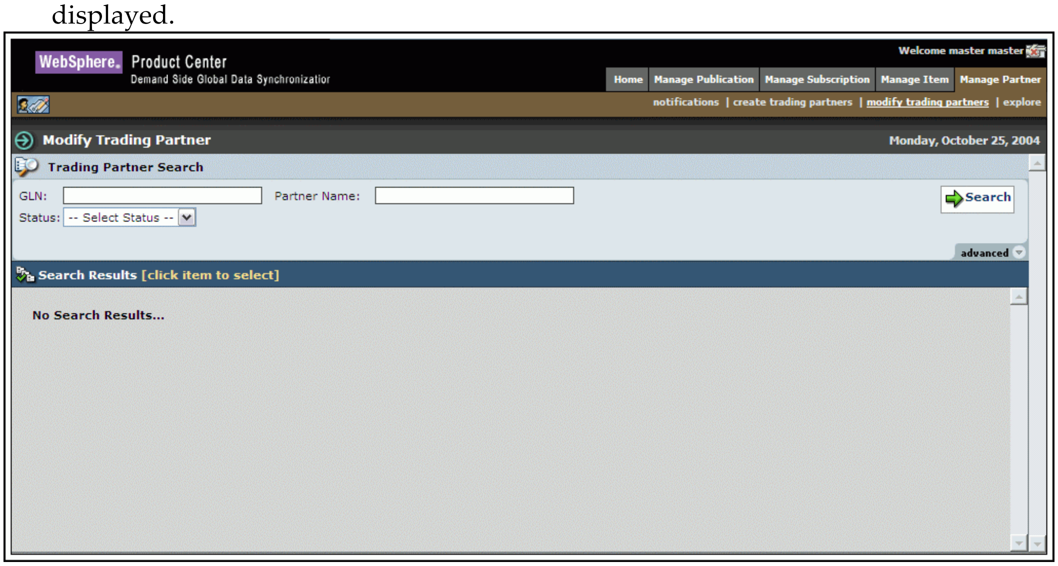
   The notifications are displayed in the *New Trading Partner Request* tab view.

## Modify Trading Partner

You can modify those trading partners that are approved.

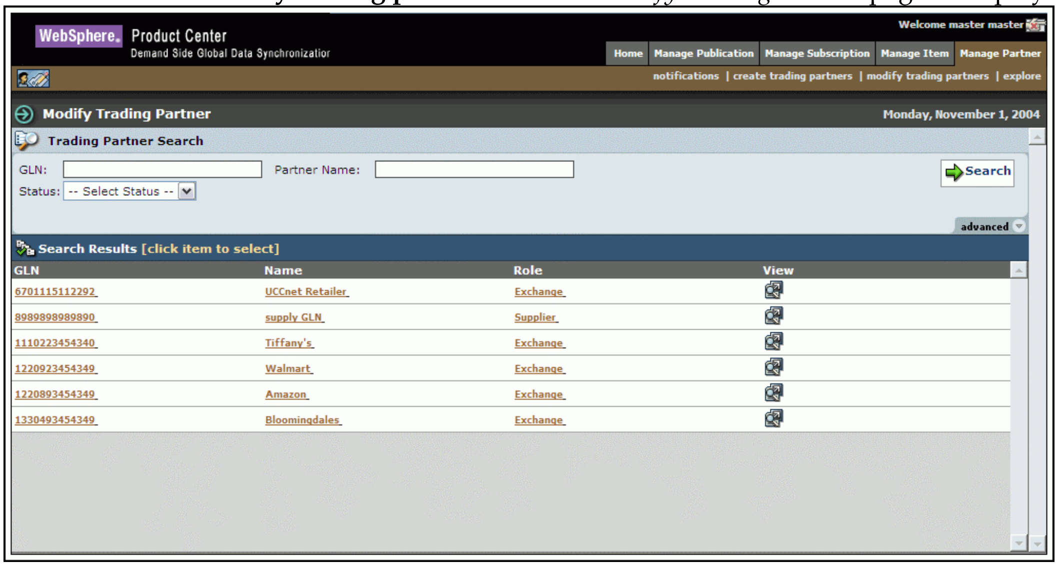
To modify the information of a trading partner:

1. In the *Home* page, click on the **Manage Partner** tab. The *Manage Partner* tab view is displayed.



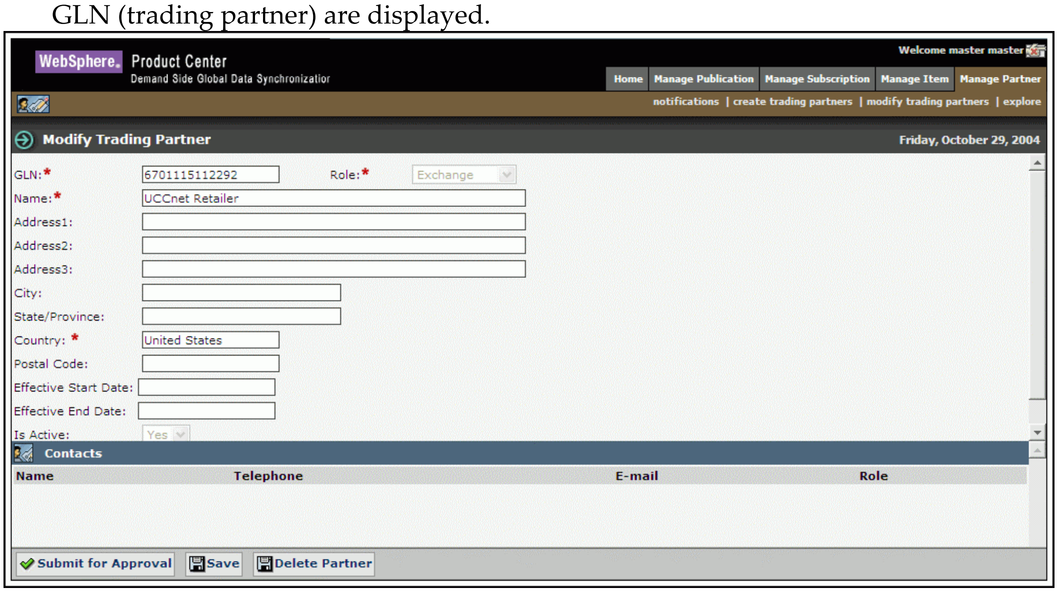

*Manage Partner Tab View*

2. Click on the **modify trading partner** link. The *Modify Trading Partner* page is displayed.




*Modify Trading Partner - Search*

3. Search for the GLN that you want to modify. For more information on performing a search, refer the Search for Trading Partners section in *Chapter 8 - Search*.
4. In the **search results** area, click on the GLN that you want to modify. The details of that GLN (trading partner) are displayed.




*Modify Trading Partner - Details*

5. Edit the trading partner information in the listed fields:
   a. In the **GLN** field, edit the global location number. This is the unique 13-digit number used to identify a trade location.

   b. From the **Role** drop-down menu, select the role of the trading partner. Options available are Exchange, Manufacturer, Retailer, and Supplier.

   c. In the **Trading Partner Name** field, edit the name of the trading partner.

d. Fill in the location details of the trading partner in the listed fields.

e. In the **Effective Start Date** field, click on the **Calendar** icon to select the start date.

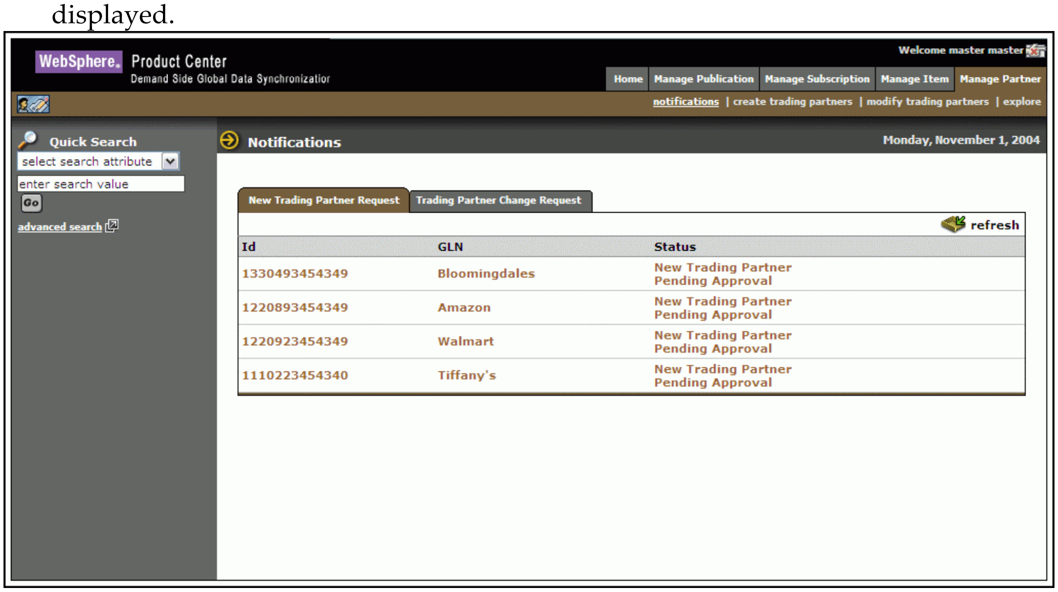
f. In the **Effective End Date** field, click on the **Calendar** icon to select the end date.

g. From the **Status** drop-down menu, select the status of the trading partner. Options available are Active and Inactive.

h. From the **Time Zone** drop-down menu, select the time zone relevant to the trading partner. Options available are Eastern, IST, GMT, and Pacific.

i. From the **Language** drop-down menu, select the language of the trading partner.

6. To add or modify existing contacts, click **Manage Contacts**. The following page is displayed.




*Modify Trading Partner – Manage Contacts*

7. To add a new contact:
   a. In the **Name** field, type the name.

   b. In the **Telephone** field, type the telephone number.

   c. In the **Email** field, type the email address.

   d. From the **Role** drop-down menu, select the role of the contact person for that trading partner.

8. Click **Save**. The contact details are displayed in the **Contacts** area.
9. To modify the existing contact details, click on the **Edit** icon for that contact. The contact details are displayed in the text fields. Update the information, and click **Save**. The updated information for that contact is displayed in the **Contacts** area.

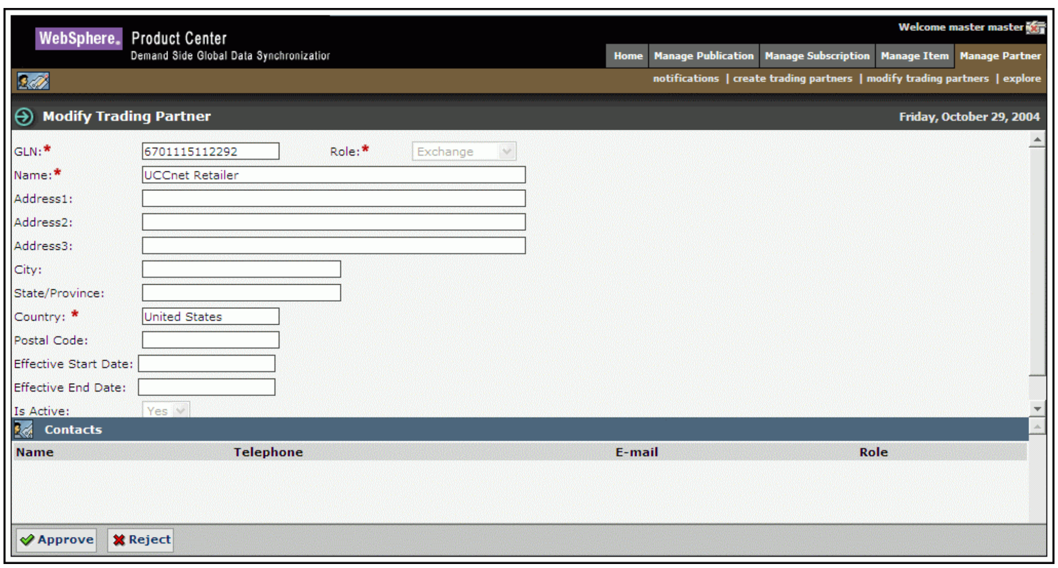
10. When you finish adding contacts, click **Partner Details**. The *Modify Trading Partner* page is displayed again. The contacts that you have added or updated are displayed in the **Contacts** area.
11. After filling in the details for the trading partner, click **Submit For Approval**. The notification message "Modified Trading Partner Pending Approval" is sent to the appropriate user for approval. The notification is displayed in the *Trading Partner Change Requests* tab view in the *Manage Trading Partners* page.
12. If you have not finished adding the information, and you want to save a draft version, click **Save**.
13. To delete the trading partner, click **Delete Partner**.

## Approve Modified Trading Partner

When a modified trading partner is sent for approval, the notification for approving the trading partner is displayed in the *Trading Partner Change Request* tab view.

To approve a new trading partner:

1. In the *Trading Partner Change Request* tab view, click on the notification "Modified Trading Partner Pending Approval". The details of the notification are displayed.




*Modified Trading Partner - Approval*

2. To approve the item, click **Approve**. The notification message "Modified Trading Partner Approved' is sent to the appropriate user(s).

   To reject the item, click **Reject**. The notification message "Modified Trading Partner Rejected" is sent to the appropriate user(s).

   The notifications are displayed in the *Trading Partner Change Request* tab view.

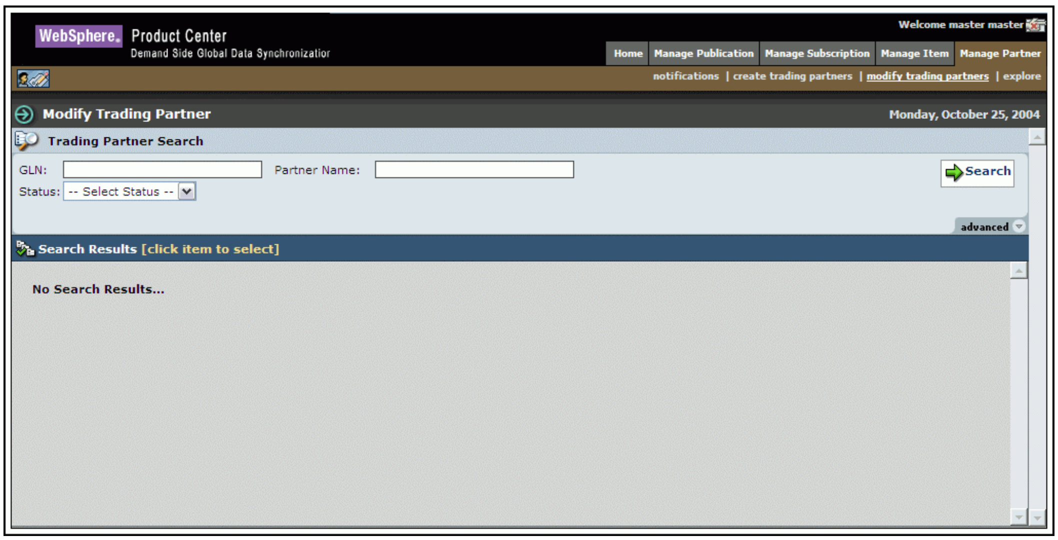
## *Delete Trading Partner*

You can delete trading partners that are in the draft status or that has been approved. If a trading partner that is in approved status is deleted, the deletion has to be approved by the appropriate user(s).

### Delete Trading Partner - Draft Status

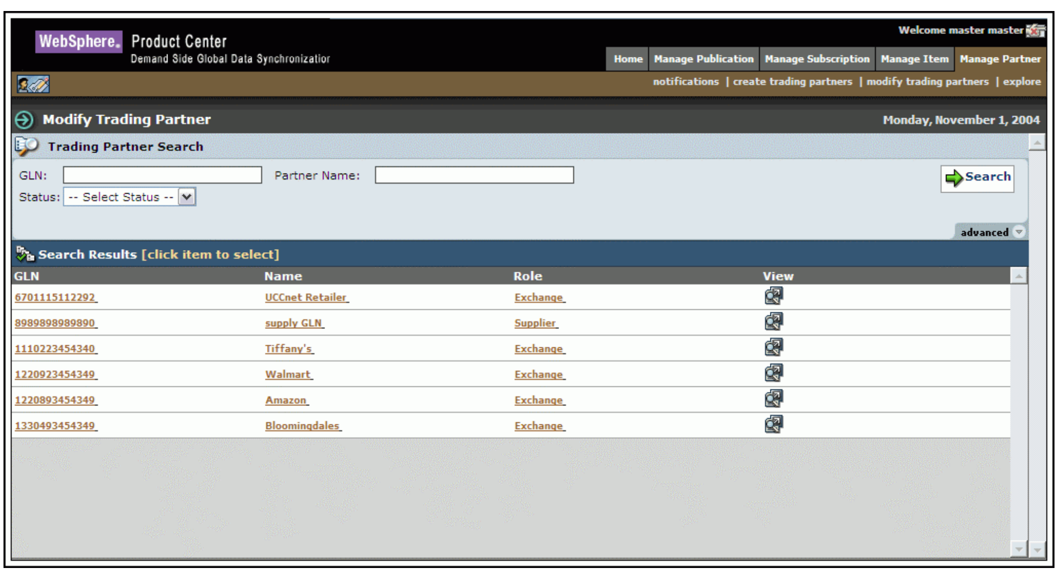
To delete a trading partner that is in draft status:

1. In the *Home* page, click on the **Manage Partner** tab. The *Manage Partner* tab view is displayed.




*Manage Partner Tab View*

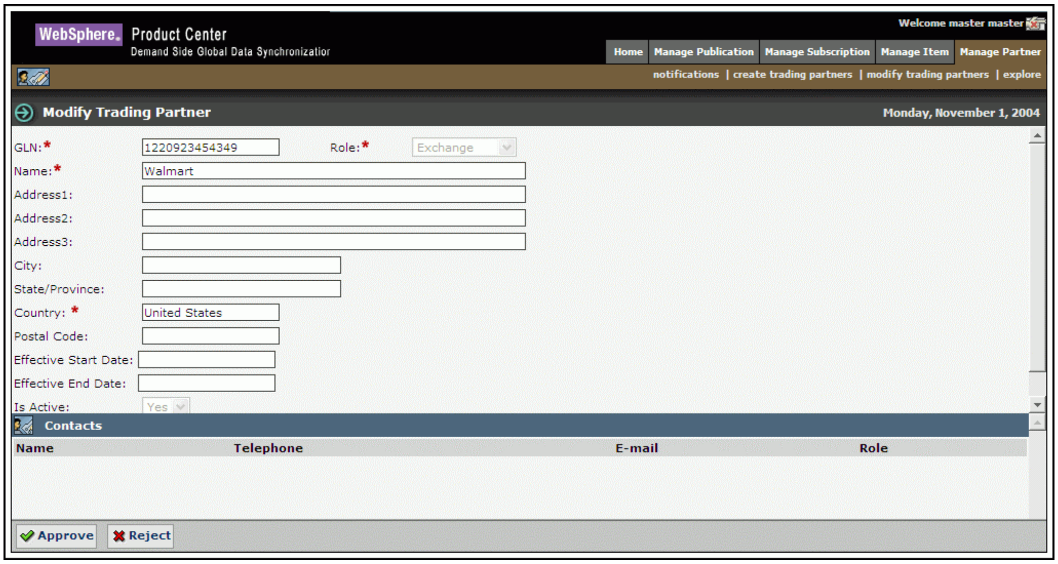
2. Click on the **modify trading partner** link. The *Modify Trading Partner* page is displayed.




*Trading Partner - Search*

3. Search for the GLN that you want to modify. For more information on performing a search, refer the Search for Trading Partners section in *Chapter 8 - Search*.

4. In the **search results** area, click on the GLN that you want to modify. If the Trading Partner details are in the draft status, the details of that GLN (trading partner) are displayed as shown in the following screen.



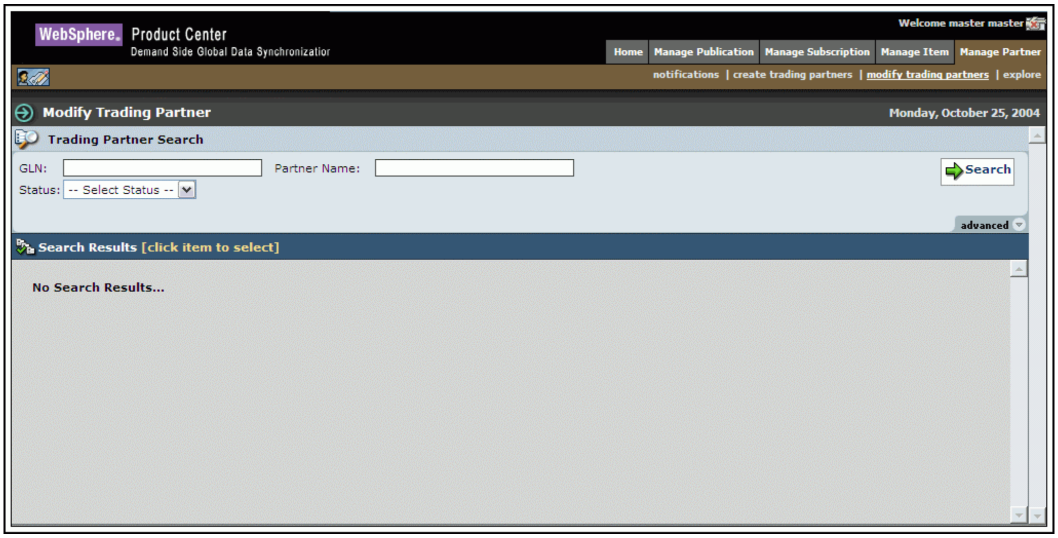

*Modify trading Partner – Details*

5. To delete the Trading Partner details click **Reject**. The trading partner record is deleted from the system. No notification is sent for approval.

## Delete Trading Partner – Approved Status

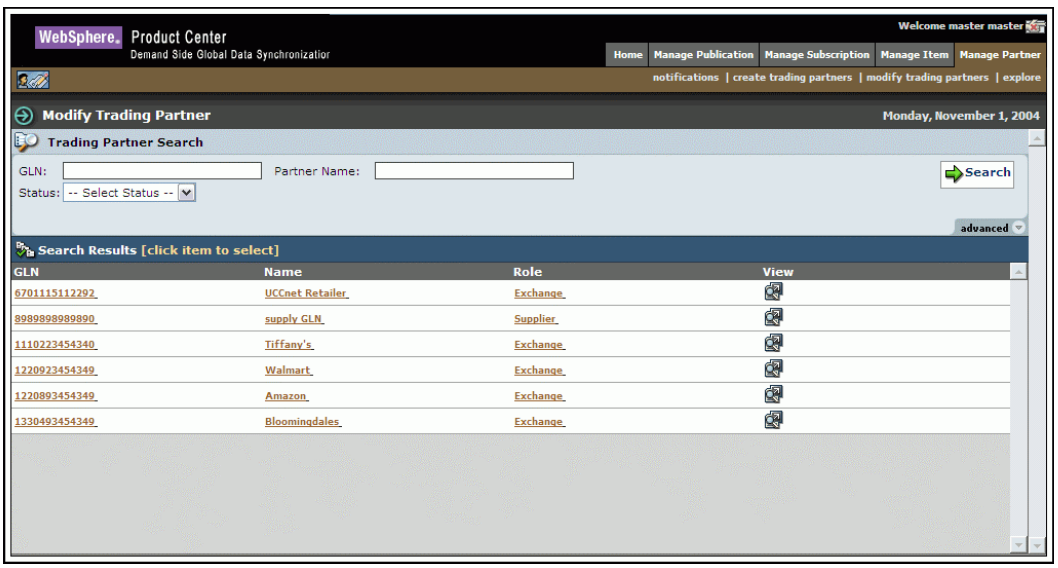
To delete a trading partner that is in Approved status:

1. In the *Home* page, click on the **Manage Partner** tab. The *Manage Partner* tab view is displayed.




*Manage Partner Tab View*

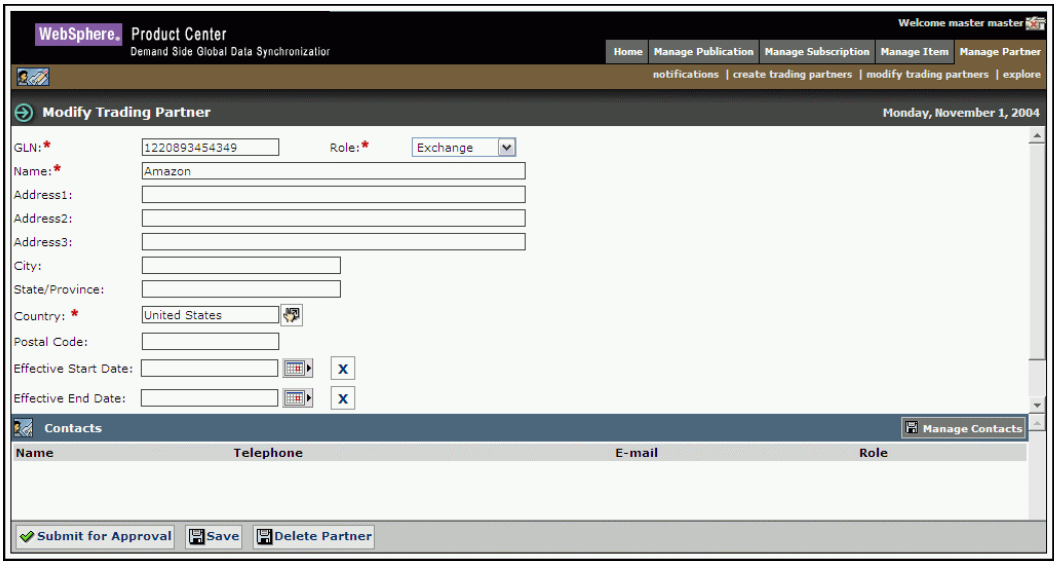
2. Click on the **modify trading partner** link. The *Modify Trading Partner* page is displayed.




*Modify Trading Partner - Search*

3. Search for the GLN that you want to modify. For more information on performing a search, refer the Search for Trading Partners section in *Chapter 8 - Search*.

4. In the **search results** area, click on the GLN that you want to modify. If the Trading Partner details are in the approved status, the details of that GLN (trading partner) are displayed as shown in the following screen.



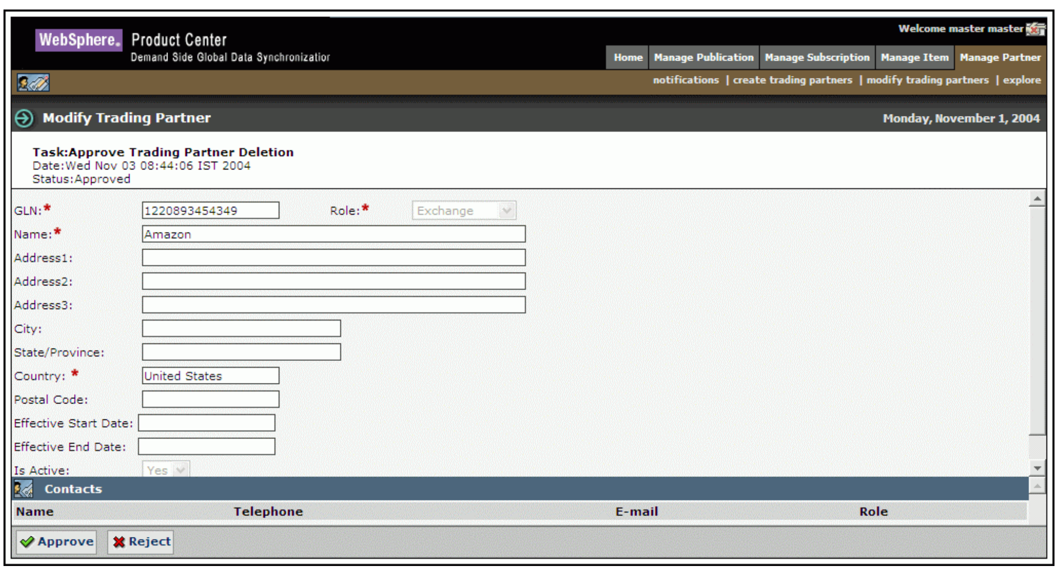

*Modify trading Partner – Details*

5. To delete a trading partner that is in approved status, click **Delete Partner**. The notification "Trading Partner Deletion Pending Approval" is sent to the appropriate user. The notification is displayed in the *Trading Partner Change Request* tab view.

## Approve Deleted Trading Partner

To approve a deleted trading partner:

1. In the *Trading Partner Change Request* tab view, click on the notification "Trading Partner Deletion Pending Approval". The details of the notification are displayed.




*Deleted Trading Partner - Approval*

2. To approve the trading partner, click **Approve**. The notification message "Trading Partner Deletion Approved' is sent to the appropriate user(s).

To reject the trading partner deletion, click **Reject**. The notification message “Trading Partner Deletion Rejected” is sent to the appropriate user(s).

The notifications are displayed in the *Trading Partner Change Request* tab view.

### Explore Trading Partners

For information about performing a search for trading partners, refer the section Search Trading Partners in *Chapter 8 – Search*.

# Ch 8 Search

The IBM Global Data Synchronization for WebSphere Product Center application offers three search options:

- Quick Search - The Quick Search option is displayed in the left navigation pane on all the main pages. You can search by object or by attributes.
- Basic Search – The Basic Search option is displayed by default when you access a search page. This allows you to search for information related to the section you are currently working on. For example, Manage Items section.
- Advanced Search – The Advanced Search option allows you to perform a more detailed search.

The Search facility enables you to:


- Search for Publications
- Search for Subscriptions
- Search for Items/Hierarchies
- Search for Trading Partners


You can enter search parameters and values in the Search fields, to narrow your search.

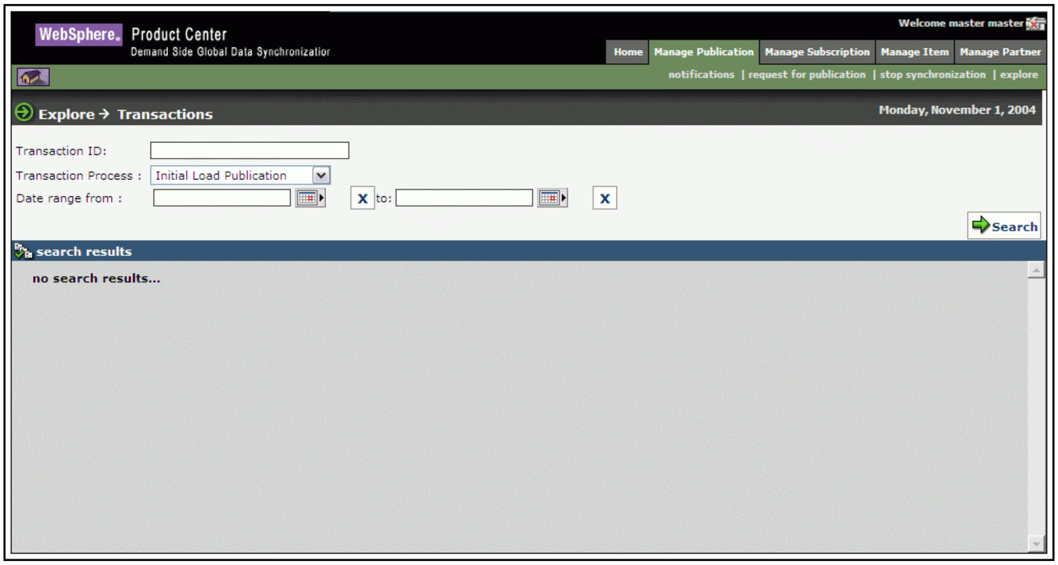
Tip!
If you do not know the search values, you can type the partial search criteria with the wildcard character (*) and click **Search**. For example, if you do not know the GTIN, type 1*. A list of GTINs that start with 1 is displayed in the **search results** area.

## *Search for Publications*

To search for publications:

1. In the *Manage Publication* tab view, click on the **explore** link. The *Explore Transactions* page is displayed.

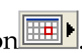



*Explore Transactions*

2. You can type search parameters in any or all the following fields:

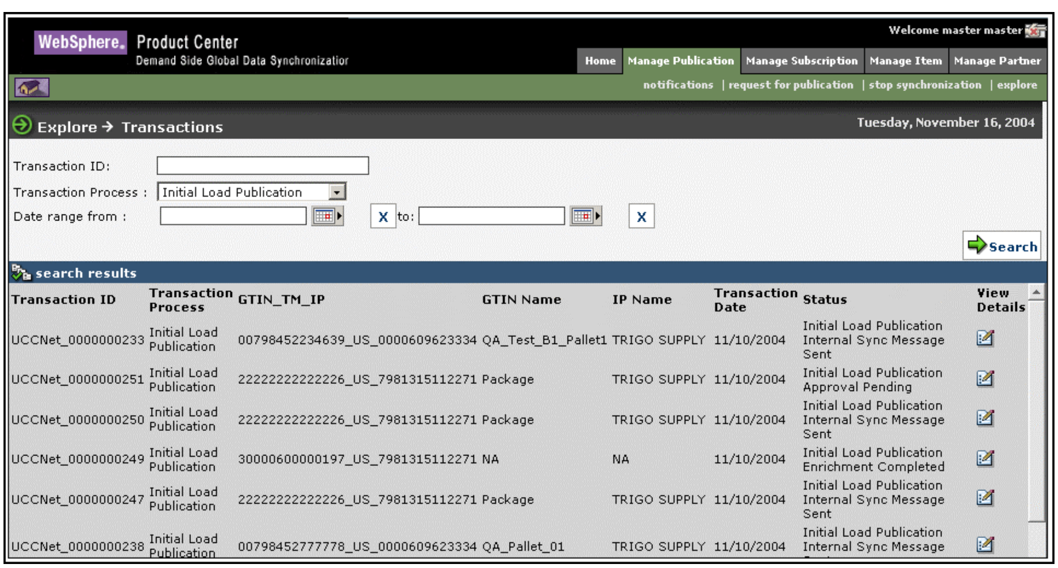
   a. In the **Transaction ID** field, type the ID of the publication that you want to search for.

   b. From the **Transaction Process** drop-down menu, select the type of transaction. Options available are: Initial Load Publication, Item Change Publication, New Item Publication, Item Delist publication, Request for Publication, Item Withdraw Publication, Stop Synchronization.

   c. In the **Date range from** and **to** fields, select the dates using the **Calendar** icon .

   d. From the **Status** drop-down menu, select the status of the transaction. Options available are Accepted, Pending, Rejected, Review, and Synchronized.

3. Click **Search**. The search results are displayed in the **search results** area.



### *Search for Subscriptions/Filters*

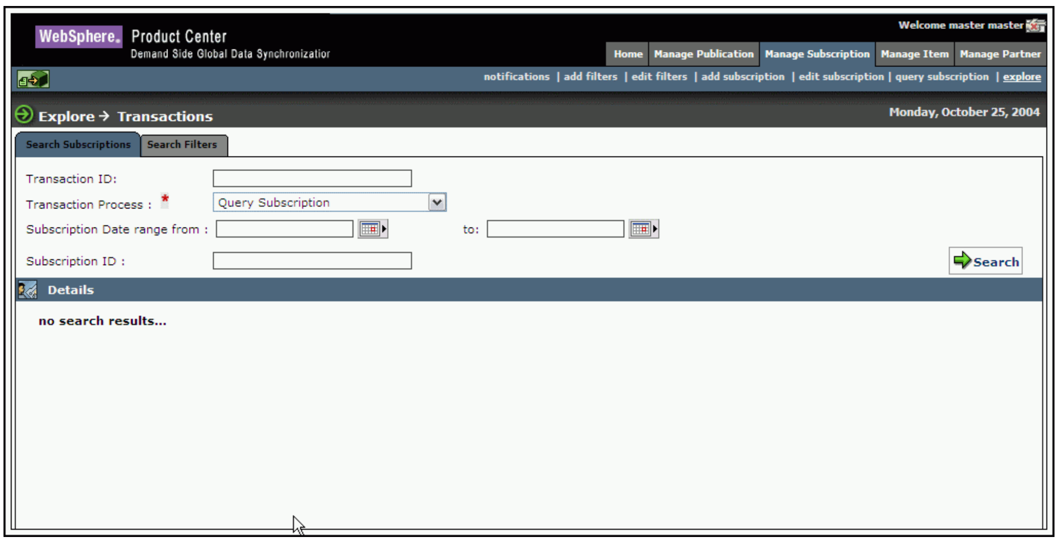
You can perform the following:

- Search Subscriptions
- Search Filters

#### Search Subscriptions

To search for subscriptions:

1. In the *Manage Subscriptions* tab view, click on the **explore** link. The *Explore Transactions* page is displayed.

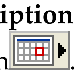



*Explore Transactions – Search Subscriptions*

2. You can type search parameters in any or all the following fields:

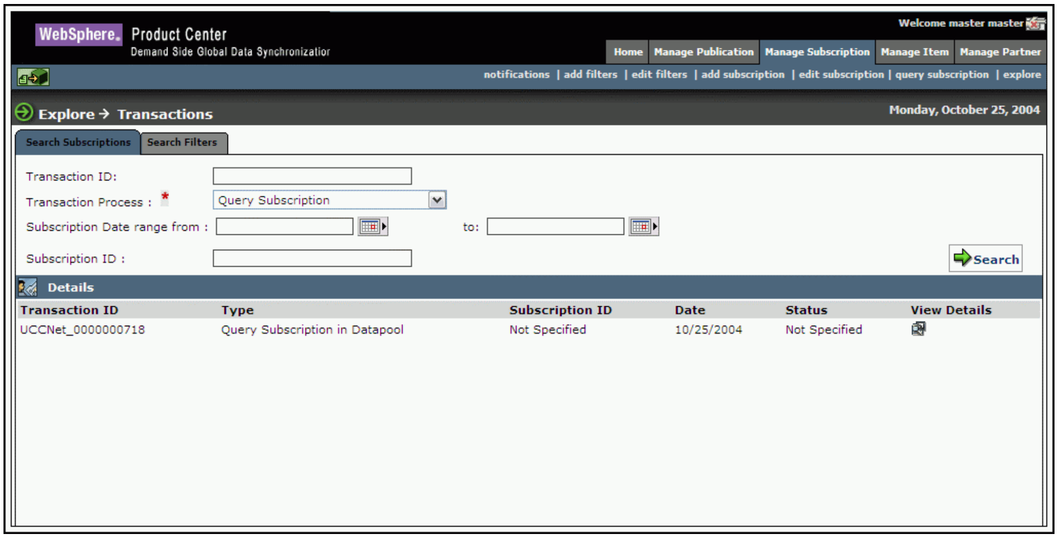
   a. In the **Transaction ID** field, type the ID of the transaction that you want to search for.

   b. From the **Transaction Process** drop-down menu, select the type of transaction. The available transaction processes are Query Subscription, Subscription Add, Subscription approval, Subscription Deletion.

   c. In the **Subscription Date range from** and **to** fields, select the dates using the **Calendar** icon. The search results displayed will be within this date range

   d. In the **Subscription ID** field, type the ID of the subscription that you want to search for.

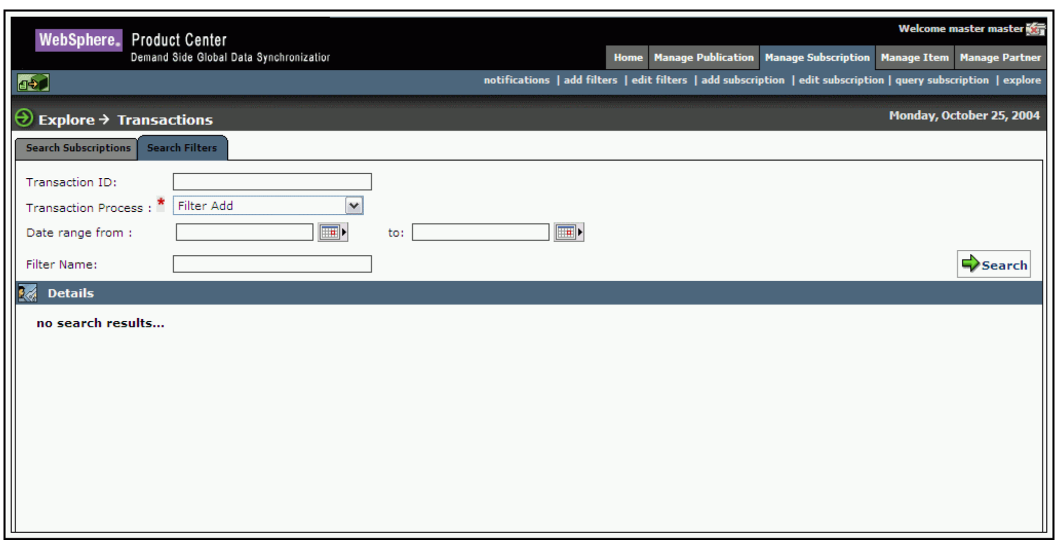
3. Click **Search**. The search results are displayed in the **search results** area.




## Search Filters

To search for filters:

1. In the *Manage Subscriptions* tab view, click on the **explore** link. The *Explore Transactions* page is displayed.




*Explore Transactions – Search Filters*

2. Click on the **Search Filters** tab. The *Search Filters* tab view is displayed.

3. You can type search parameters in any or all the following fields:

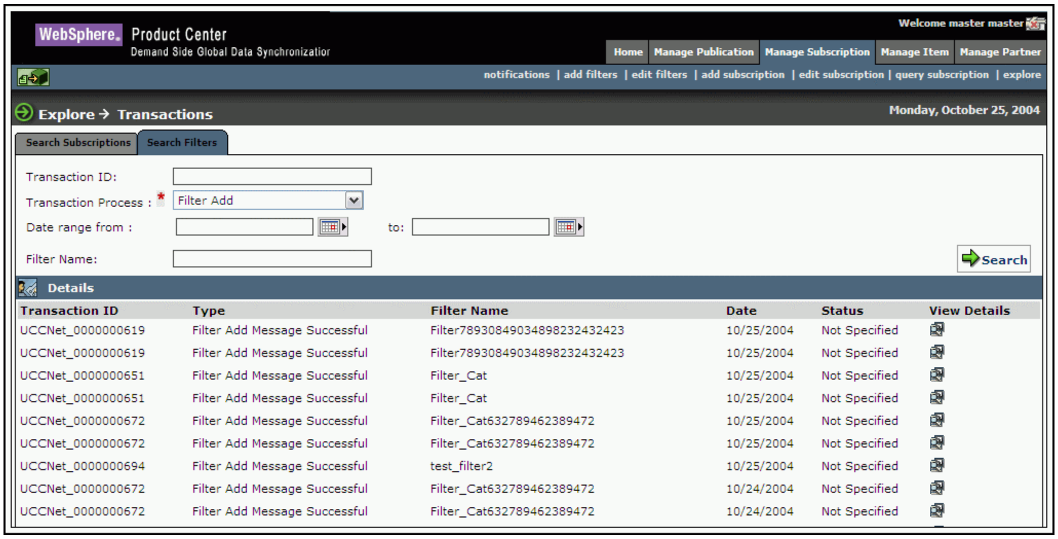
    a. In the **Transaction ID** field, type the ID of the transaction that you want to search for.

    b. From the **Transaction Process** drop-down menu, select the type of transaction. Options available are Filter Add, Filter Approval, Filter Deletion, and Filter Modification.

c. In the **Date range from** and **to** fields, select the dates using the **Calendar** icon.

d. In the **Filter Name** field, type the name of the filter.

4. Click **Search**. The search results are displayed in the **search results** area.




*Explore Filter – Search Results*

### *Search for Items/Hierarchies*

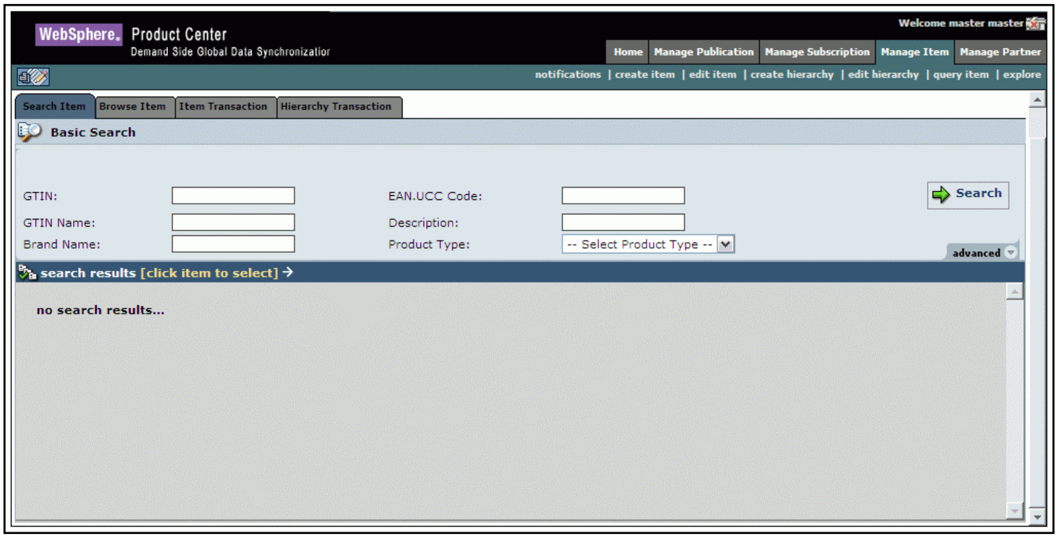
You can perform the following:

- Search Items
- Browse Item
- Search Item Transactions
- Search Hierarchy Transactions

### Search Items

To search for items:

1. In the *Manage Item* tab view, click on the **explore** link. The *Explore Items* page is displayed, with *Search Item* tab view being displayed by default.




*Search Item – Basic Search*

2. You can type search parameters in any or all the following fields:
   a. In the **GTIN** field, type the Global Trade Item Number for the trade item.

   b. In the **EAN.UCC Code** field, type the EAN/UCC code or number required based on the product type.

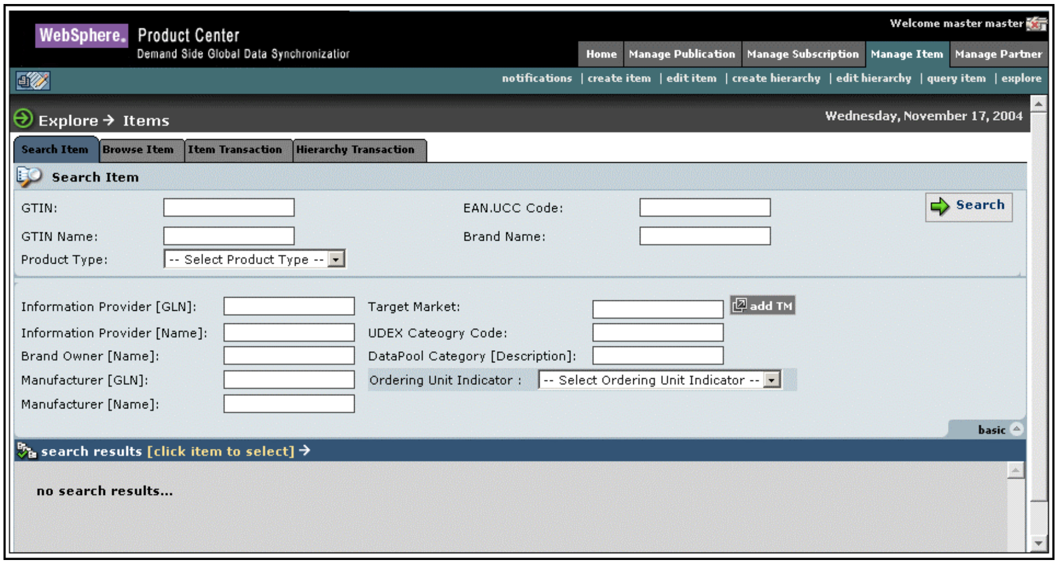
   c. In the **GTIN Name** field, type the name of the GTIN.

   d. In the **Description** field, type the description for the GTIN.

   e. In the **Brand Name** field, type the name of the brand.

   f. From the **Product Type** drop-down menu, select the type of the product. Options available are Case, Display/ Shipper, Each, Mod Pallet (Mixed), Package, and Pallet.

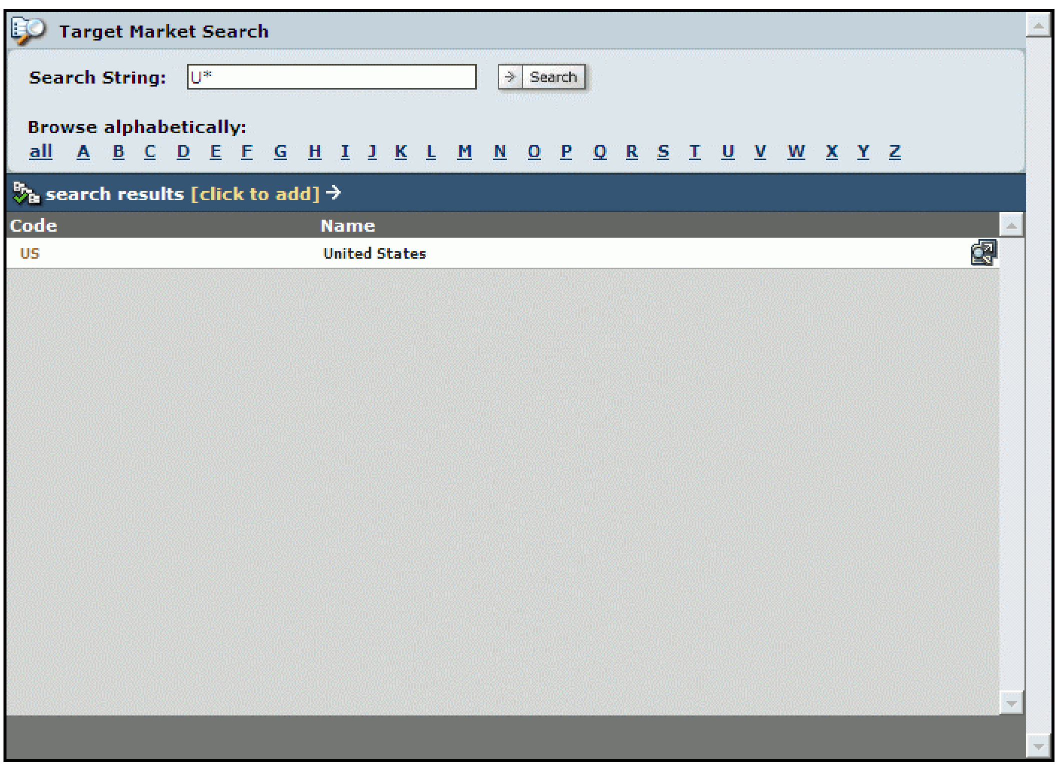
3. For a more detailed search, click **advanced**. Additional fields where you can type in search parameters are displayed.




*Search Items - Advanced*

a. In the **Information Provider [GLN]** field, type the global location number of the information provider.

b. In the **Target Market** field, click on **add TM**. The Target Market selection screen is displayed.




*Target Market - Search*

c. From the *Target Market search* screen, select a target market.

d. In the **Information Provider [Name]** field, type the name of the information provider.

e. In the **Language Code** field, type the language code.

f. In the **Brand Owner [Name]** field, type the name of the brand owner.

g. In the **UDEX Category Code** field, type the UDEX Category code.

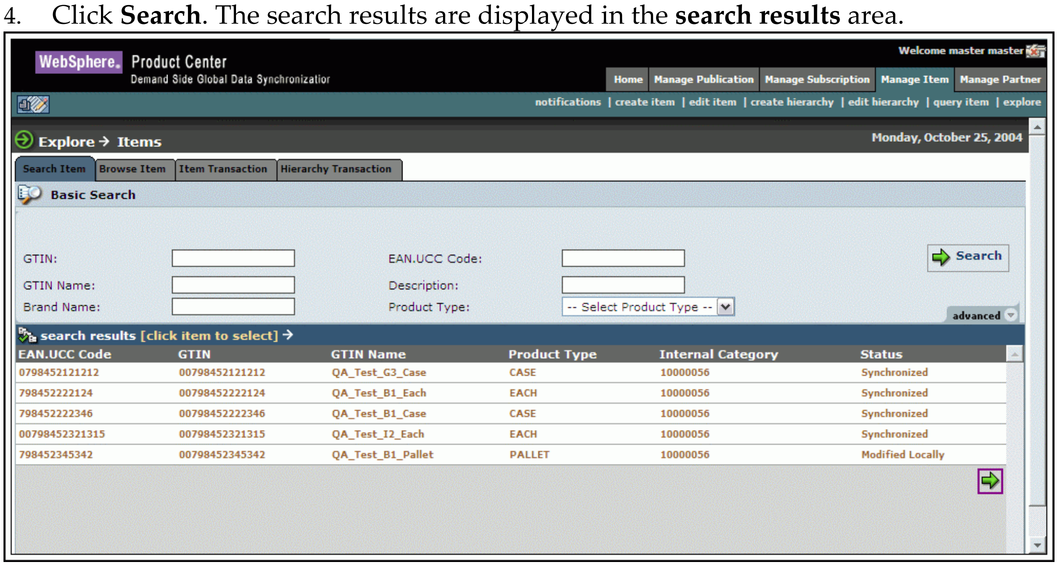
h. In the **Manufacturer [GLN]** field, type the global location number of the manufacturer.

i. In the **UDEX Category Description** field, type the description of UDEX Category.

j. In the **Manufacturer [Name]** field, type the name of the manufacturer.

k. From the drop down for **Ordering Unit Indicator**, select **Yes**, **No**

4. Click **Search**. The search results are displayed in the **search results** area.



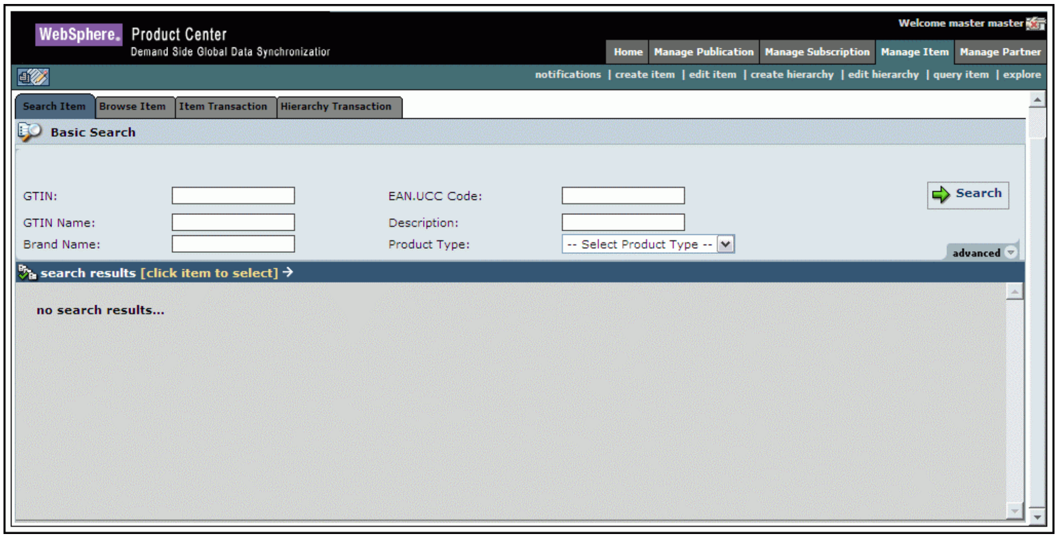

*Search Items – Search Results*

## Browse Items

You can browse for an item according to the internal classification.

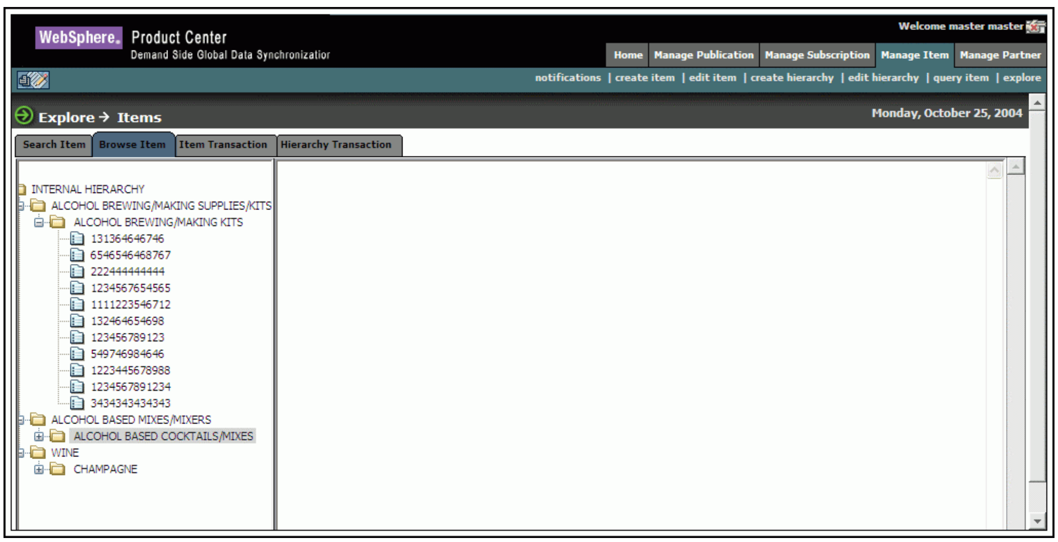
To browse for an item through internal classification:

1. In the *Manage Item* tab view, click on the **explore** link. The *Explore Items* page is displayed.

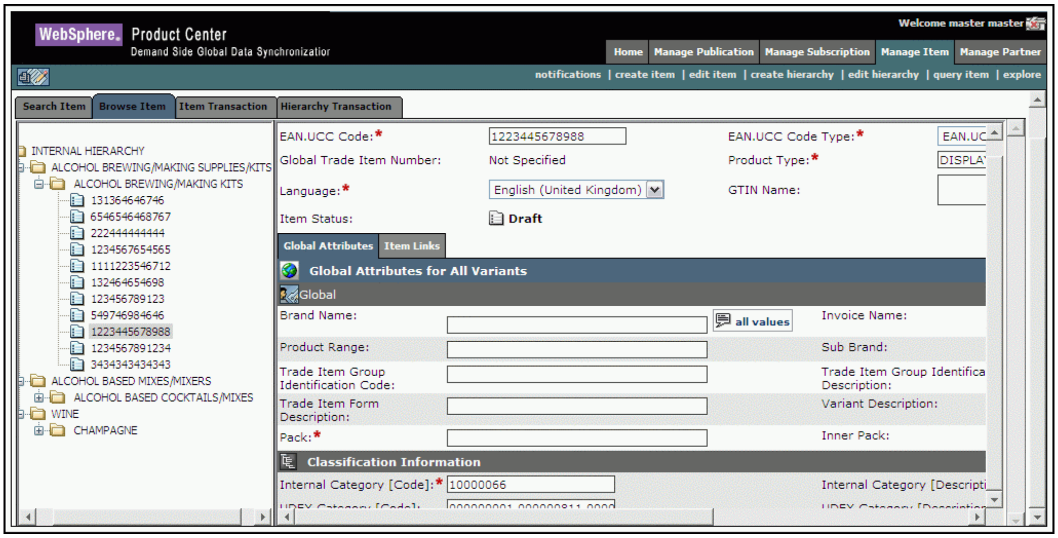



*Manage Item - Explore*

2. Click on the **Browse Items** tab. The *Browse Items* tab view is displayed




The Internal classification tree view is displayed on the left of the screen. When you click on the EAN.UCC code, the details of the item are displayed on the right of the screen

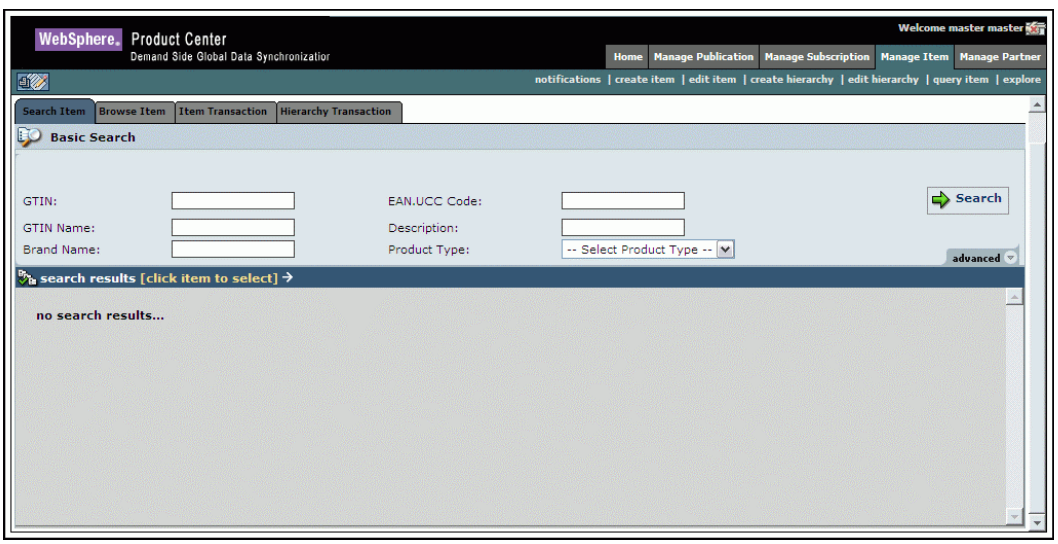



*Browse Items by Internal Classification*

## Search Item Transactions

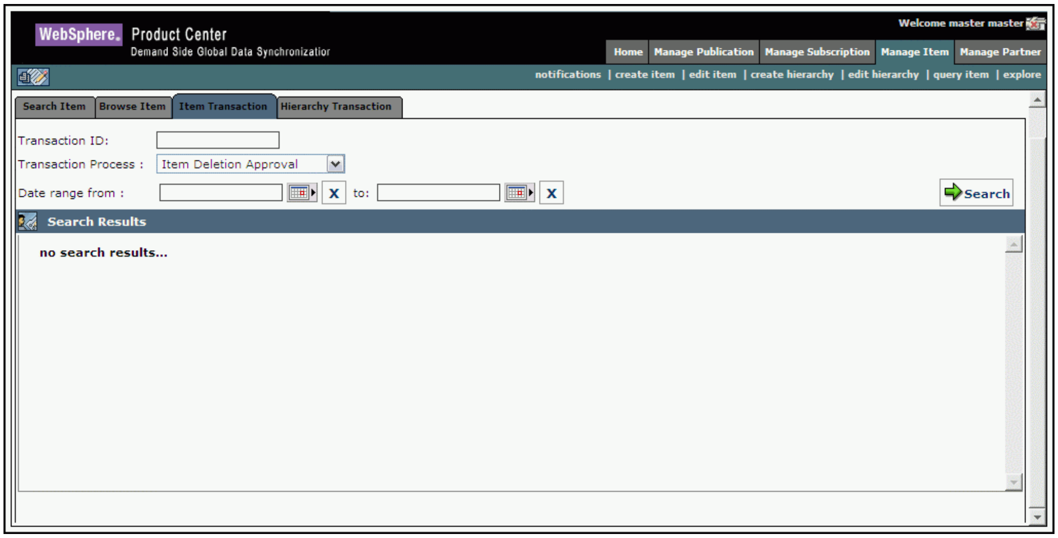
To search for item transactions:

1. In the *Manage Item* tab view, click on the **explore** link. The *Explore Item* page is displayed.




*Search Item*

2. Click on the **Item Transaction** tab. The *Item Transaction* tab view is displayed.




*Search Item Transaction*

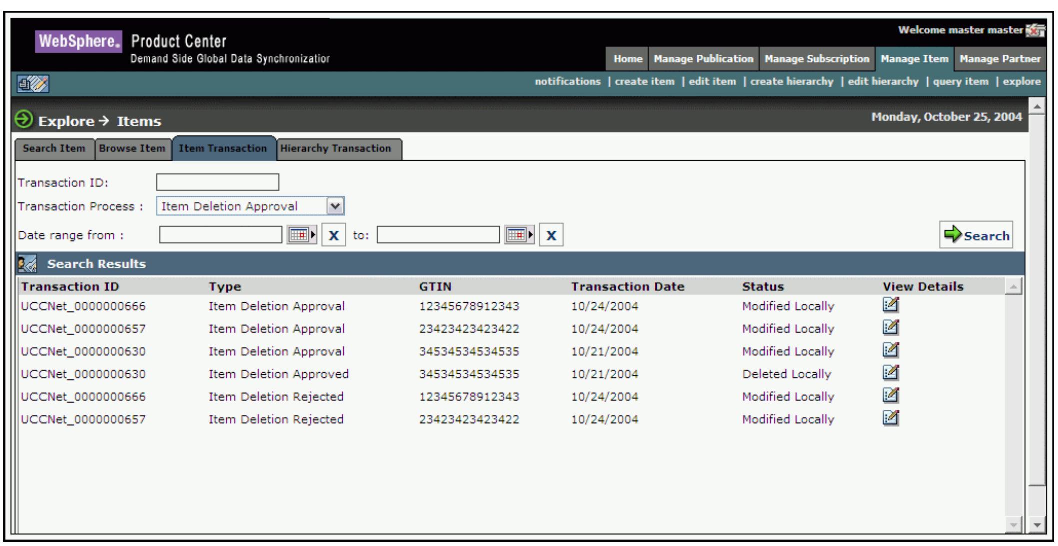
3. You can type search parameters in any or all the following fields:

    a. In the **Transaction ID** field, type the ID of the transaction that you want to search for.

    b. From the **Transaction Process** drop-down menu, select the type of transaction process.

    c. In the **Date range from** and **to** fields, select the dates using the **Calendar** icon.

4. Click **Search**. The search results are displayed in the **search results** area.

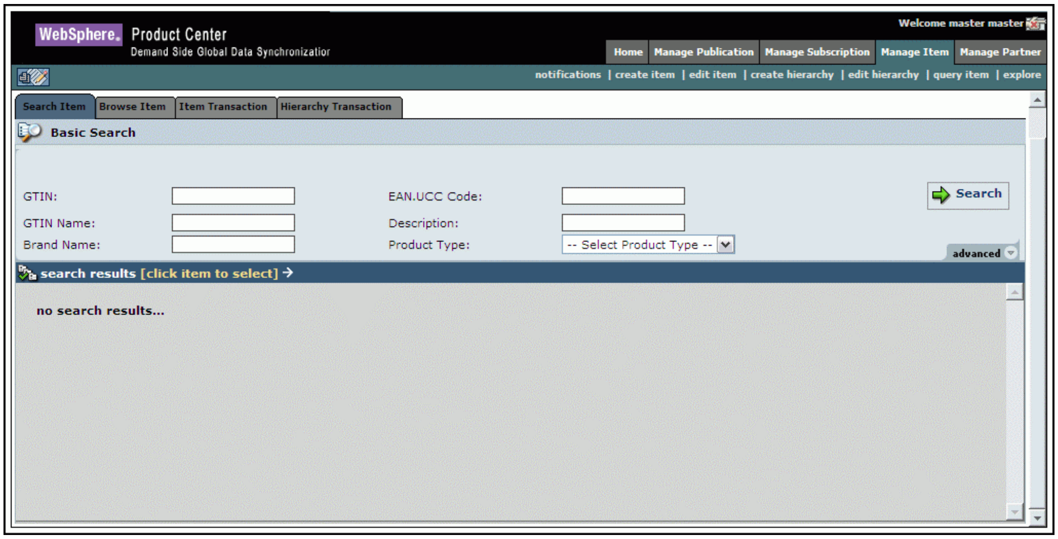



*Item Transactions – Search Results*

## Search Hierarchy Transactions

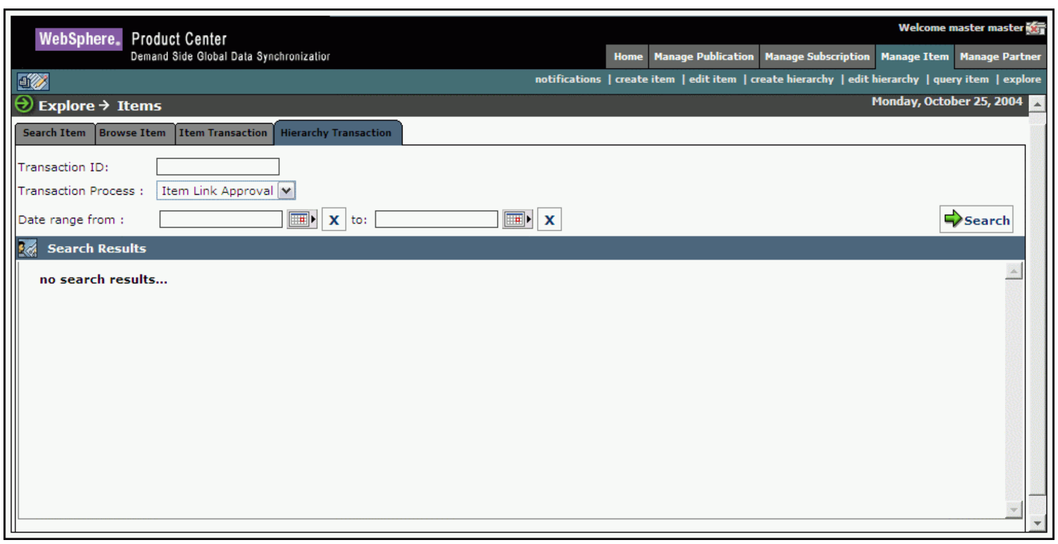
To search for hierarchy transactions:

1. In the *Manage Item* tab view, click on the **explore** link. The *Explore Item* page is displayed.



*Search Items*

2. Click on the **Hierarchy Transaction** tab. The *Hierarchy Transaction* tab view is displayed.



*Search Hierarchy Transaction*

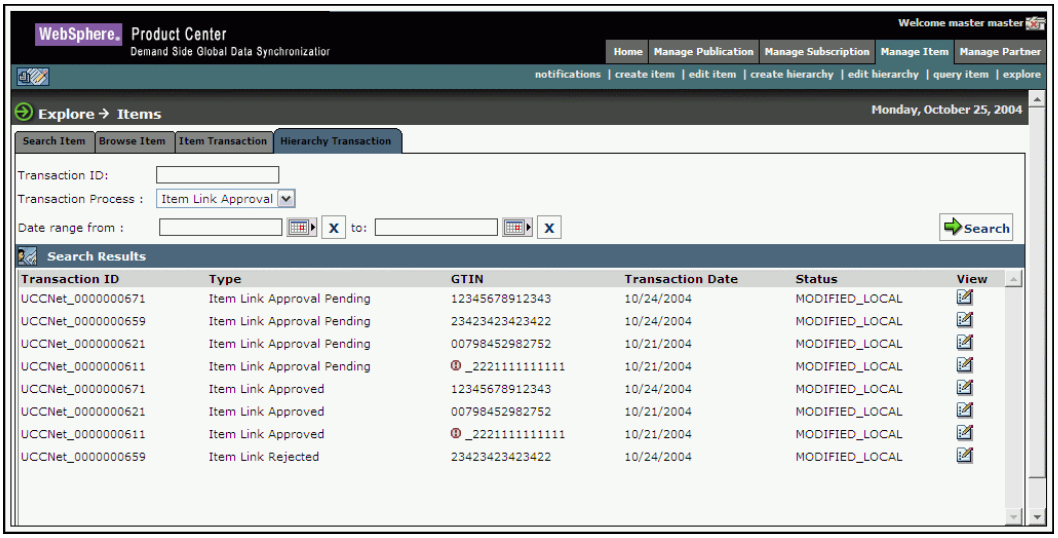
3. You can type search parameters in any or all the following fields:

    a. In the **Transaction ID** field, type the ID of the transaction that you want to search for.

    b. From the **Transaction Type** drop-down menu, select the type of transaction.

c. In the **Date range from** and **to** fields, select the dates using the **Calendar** icon.

4. Click **Search**. The search results are displayed in the **search results** area.




*Hierarchy Transaction – Search Results*

## *Search for Trading Partners*

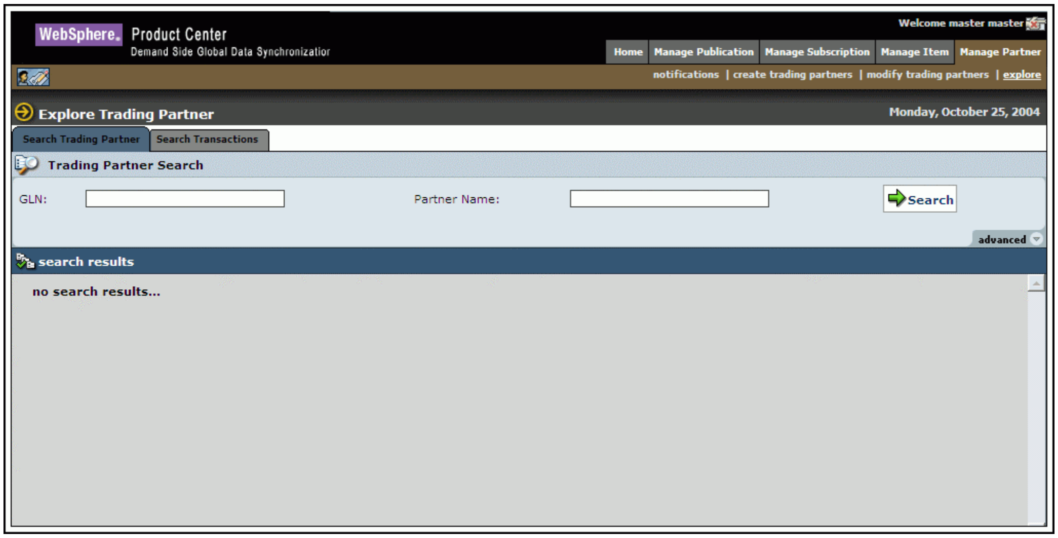
You can perform the following:

- Search Trading Partners
- Search Transactions

### Search Trading Partners

To search for trading partners:

1. In the *Manage Partner* tab view, click on the **explore** link. The *Explore Trading Partner* tab view is displayed.



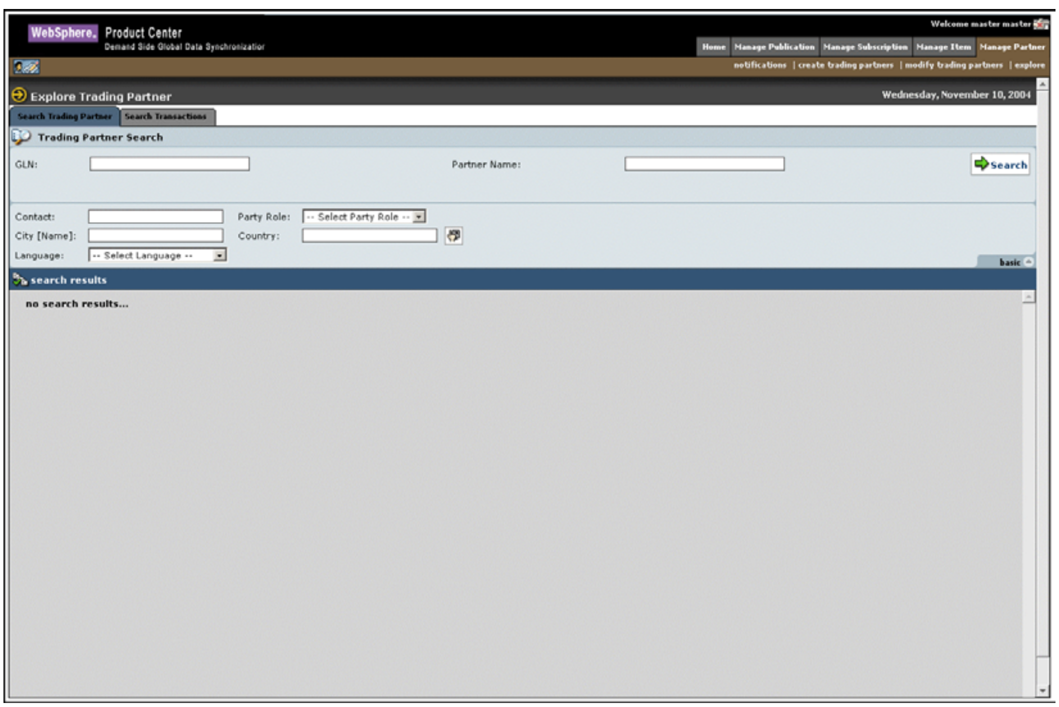

*Explore Trading Partner- Basic Search*

2. You can type search parameters in any or all the following fields:

   a. In the **GLN** field, type the GLN of the trading partner.

   b. In the **Partner Name** field, type the name of the trading partner.

   c. For a more detailed search, click **advanced**. Additional fields where you can type in search parameters are displayed.




*Explore Trading Partner – Advanced Search*

   d. In the **Contact** field, type the contact number of the trading partner.

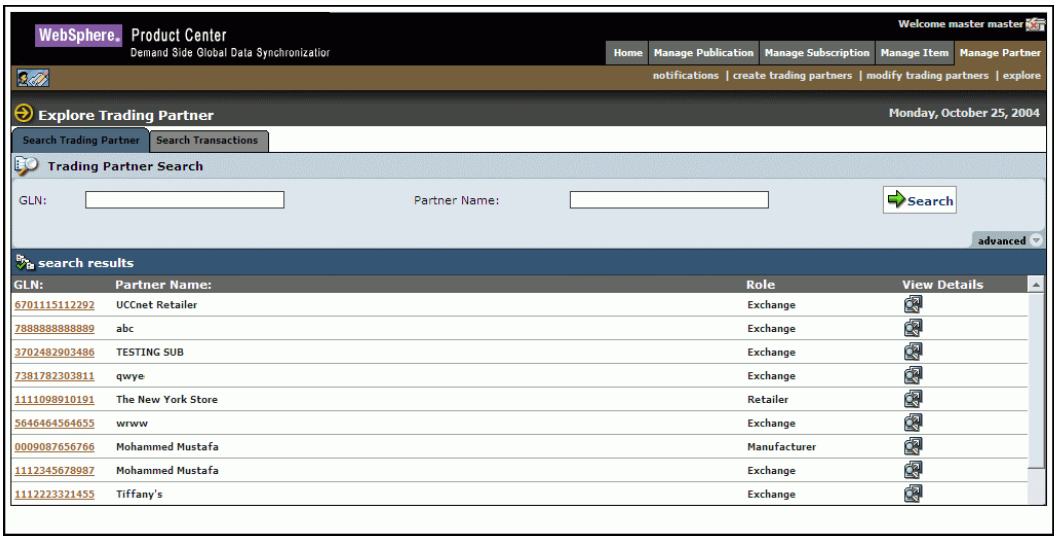
e. From the **Party Role** drop-down menu, select the role of the trading partner. Options available are Exchange, Manufacturer, Retailer, and Supplier.

f. In the **City [Name]** field, type the name of the city to which the trading partner belongs to.

g. In the **Country Code** field, type the code of the country to which the trading partner belongs to or select the country code using the **Look Up** icon.

h. From the **Language** drop-down menu, select the language of the trading partner.

3. Click **Search**. The search results are displayed in the **search results** area.

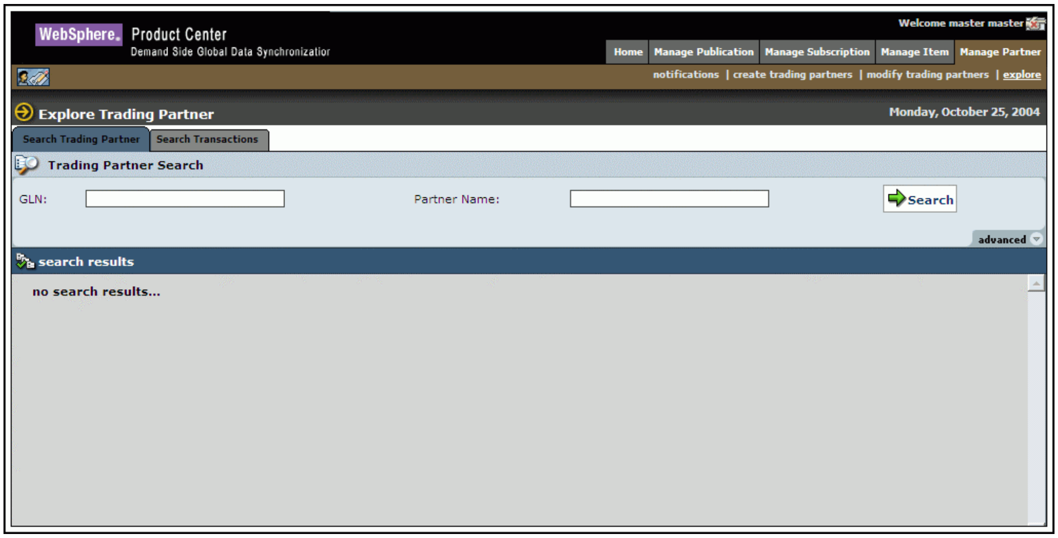



*Trading Partners – Search Results*

## Search Transactions

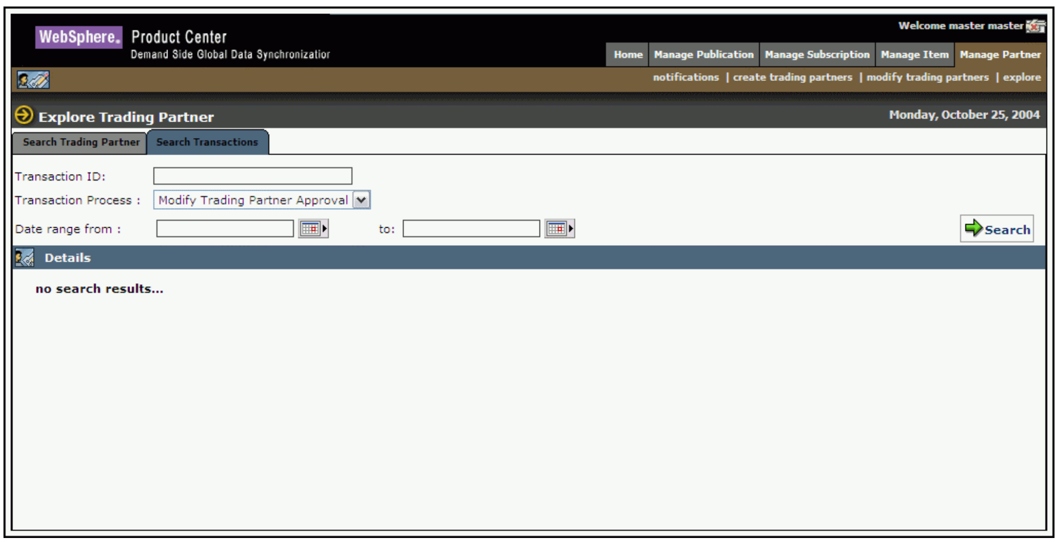
To search for transactions related to trading partners:

1. In the *Manage Partner* tab view, click on the **explore** link. The *Search Trading Partner* tab view is displayed.




*Search Trading Partner*

2. Click on the **Search Transactions** tab. The *Search Transactions* tab view is displayed.

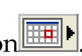



*Explore Trading Partner - Search Transactions*

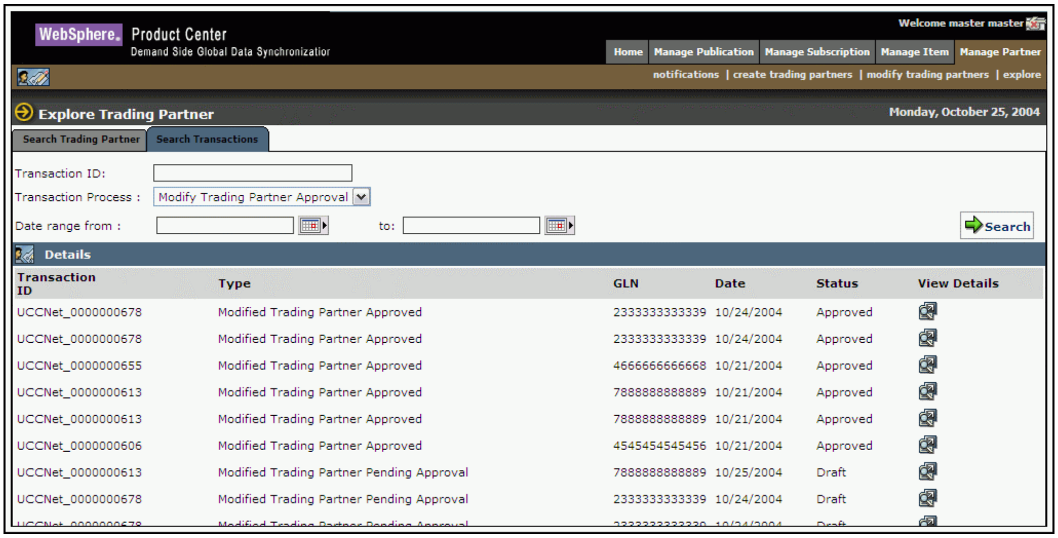
3. You can type search parameters in any or all the following fields:

   a. In the **Transaction ID** field, type the ID of the publication that you want to search for.

   b. From the **Transaction Type** drop-down menu, select the type of transaction.

   c. In the **Date range from** and **to** fields, select the dates using the **Calendar** icon .

   d. Click **Search**. The search results are displayed in the **Details** area.




| Transaction ID | Type | GLN | Date | Status | View Details |
|---|---|---|---|---|---|
| UCCNet_0000000678 | Modified Trading Partner Approved | 2333333333339 | 10/24/2004 | Approved | |
| UCCNet_0000000678 | Modified Trading Partner Approved | 2333333333339 | 10/24/2004 | Approved | |
| UCCNet_0000000655 | Modified Trading Partner Approved | 4666666666668 | 10/21/2004 | Approved | |
| UCCNet_0000000613 | Modified Trading Partner Approved | 7888888888889 | 10/21/2004 | Approved | |
| UCCNet_0000000613 | Modified Trading Partner Approved | 7888888888889 | 10/21/2004 | Approved | |
| UCCNet_0000000606 | Modified Trading Partner Approved | 4545454545456 | 10/21/2004 | Approved | |
| UCCNet_0000000613 | Modified Trading Partner Pending Approval | 7888888888889 | 10/25/2004 | Draft | |
| UCCNet_0000000678 | Modified Trading Partner Pending Approval | 2333333333339 | 10/24/2004 | Draft | |

*Transactions – Search Results*

# Appendix A – Administration and User Management

There are various roles that are preceded in the application. For more information, refer to Appendix B – Roles in the *IBM Global Data Synchronization for WebSphere Product Center Installation, Configuration, and Administration Guide*. This appendix also provides the list of accessible features and operations that can be performed by the respective roles.

# Appendix B – List of Functions

This appendix provides a list of functions available for trade items, trading partners, in the IBM Global Data Synchronization for WebSphere Product Center solution.

## *For Trade Items*

The list of functions that is available to you for trade items are:

- Create
- Edit
- View
- Delete
- Explore
- Create Variant
- Enrich Global Attributes
- Enrich Variant
- Approve/Reject
- Publish New Item
- Send Initial Load
- Add Item
- Synchronize Changes

## *For Trading Partners*

The list of functions that is available for trading partner is:

- Create
- View
- Modify
- Delete
- Explore
- Approve/Reject

## *For Trade Item Links*

The list of functions that is available for trade item links are:

- Create
- Edit

- View
- Delete
- Explore
- Approve/Reject
- Add Item Link

### *For Subscriptions and Filters*

The various functions available for subscriptions and filter are:

- Add Subscription
- Approve Subscription
- Delete subscription
- View Subscription Details
- Add Filter
- Modify Filter
- View Filter
- Delete Filter

### *For Transactions*

The list of functions that is available for transactions are:

- Publish Transactions
- View Generated Xml
- Item Transactions
- Hierarchy Transactions
- Trading Partner Transactions

### *For Notifications*

The list of functions that is available for transactions are:

- Publications
- Initial Load
- Item Add
- Item Link Add
- New Item Request
- Item Change Request
- New Item Hierarchy Request

- Item Hierarchy Change Request
- New Trading Partner Request
- Trading Partner Change Request

# Appendix C - Error and Confirmation Messages

This appendix provides a list for all errors potentially encountered when sending Global Data Synchronization Messages.

Topics

- Error and Confirmation Messages Generated by IBM Global Data Synchronization for WebSphere Product Center
- Error and Confirmation Messages Generated by UCCnet data pool services

## *Error and Confirmation Messages Generated by IBM Global Data Synchronization for WebSphere Product Center*

This section lists the error and confirmation messages generated by IBM Global Data Synchronization for WebSphere Product Center solution. Errors can include missing fields required by the application, incorrect values, and so on.

| Error Message | Description |
|---|---|
| This notification is no longer valid. | This message is generated when the solution looks for the particular notification that is not present in the system. |
| Notification is not found for the given parameters | This message is generated when the solution does not find the notification for the given parameters (for example, if the notification is already deleted due to some reason). |
| Error processing this page. Please try again. | This message is generated when the user clicks on any action and the system is not able to execute the same. |
| Another Trading Partner exists with same GLN. | This message is generated when the GLN trying to create which already exists in the system. |
| Invalid GLN. | This message is generated when the GLN checksum fails. |
| Invalid Target Market. | This message is generated for an invalid country code. |
| Another Trade Item exists with same Global Trade Item Number. | This message is generated when the new GTIN that is being created matches a GTIN that already exists in the solution. |
| Invalid Product Type. | This message is generated when the Product Type specified is not valid. |
| Invalid Classification. | This message is generated when the classification specified is not valid. |

| Error Message | Description |
| --- | --- |
| Invalid Category.{0} | This message is generated for an invalid category entry. |
| Global Trade Item Number is invalid. | This message is generated if the GTIN checksum is invalid. |
| Invalid unit of measure for the specified value. | This message is generated if the units are not specified for the UOM. |
| This is a Required field if the Base Unit Indicator is true. | Some fields are mandatory if the base unit indicator value in the global local catalog is true. This message is generated when those fields have not been filled in. |
| This is a Required field if the Ordering Indicator is true. | Some fields are mandatory if the ordering unit indicator value in the global local catalog is true. This message is generated when those fields have not been filled in. |
| The Owning Organization has invalid Global Location Number. | This message is generated if the given GLN is invalid. For example, it should at least be 13 characters. |
| Global Location Number is invalid. | This message is generated if the entered GLN value is incorrect. |
| It is recommended that you populate this attribute if "Product Type" is PL (Pallet). | This message is generated when the product type is pallet and there is no value specified for this field. |
| Do not populate if Product Type is PL (Pallet). | This message is generated when the product type is pallet and one or all of the following fields have been populated.<br>• Num of Items per Pallet<br>• Non GTIN Pallet Height<br>• Non GTIN Pallet Gross Weight |
| This is required when Product Group ID Maintenance Agency attribute is populated. | This message is generated when the Product Group ID Maintenance Agency attribute is populated and no value is specified for Product Group ID field. |
| This is required when Alternate Item Number is populated. | This message is generated when the Alternate Item Number attribute is populated and no value is specified for Alternate Item Identification Maintenance Agency field. |
| This is required when Alternate Item Identification Maintenance Agency is populated. | This message is generated when the Alternate Item Identification Maintenance Agency attribute is populated and no value is specified for Alternate Item Number field. |

| Error Message | Description |
|---|---|
| The Unit of Measure for depth, height, width and diameter must be consistent for each Trade Item. | This message is generated when the unit of measure for depth, height, width, and diameter is not consistent. |
| The Unit of Measure for gross weight, packaging weight, net weight and drained weight must be consistent for each Trade Item. | This message is generated when the unit of measure for gross weight, packaging weight, net weight, and drained weight is not consistent. |
| The Unit of Measure for Peg Horizontal and Peg Vertical should be consistent for each Trade Item. | This message is generated when the unit of measure for Peg Horizontal and Peg Vertical is not consistent. |
| This is required if Tax Rate attribute is populated. | This message is generated when the Tax Rate attribute is populated and no value is specified for Tax Type field. |
| This is required if Tax Type attribute is populated. | This message is generated when the Tax Type attribute is populated and no value is specified for Tax Rate field. |
| The Unit of Measure for must be consistent with order quantity for each trade item. | This message is generated when the unit of measure is not consistent with the order quantity for each trade item. |
| This is required if Associated Item is populated. | This message is generated when the Associated Item attribute is populated and no value is specified for Associated Qualifier field. |
| This is required if Associated Qualifier is populated. | This message is generated when the Associated Qualifier attribute is populated and no value is specified for Associated Item field. |
| This is required if Approval/Certification attribute is populated. | This message is generated when the Approval/Certification attribute is populated and no value is specified for Approval/Certification Maintenance Organization field. |
| This is required if Approval/Certification Maintenance Organization attribute is populated. | This message is generated when the Approval/Certification Maintenance Organization attribute is populated and no value is specified for Approval/Certification field. |
| This is required if Hazard mat class Code attribute is populated. | This message is generated when the Hazard mat class Code attribute is populated and no value is specified for Hazard Code field. |

| Error Message | Description |
|---|---|
| This is required if Hazard Code attribute is populated. | This message is generated when the Hazard Code attribute is populated and no value is specified for Hazard mat class Code field. |
| This is required if Product Size Code Maintenance Agency attribute is populated. | This message is generated when the Product Size Code Maintenance Agency attribute is populated and no value is specified for Product Size Code field. |
| This is required if Product Size Code attribute is populated. | This message is generated when the Product Size Code attribute is populated and no value is specified for Product Size Code Maintenance Agency field. |
| This is required if Material Code Agency attribute is populated. | This message is generated when the Material Code Agency attribute is populated and no value is specified for Packaging Material Code field. |
| This is required if the Packaging Material Code attribute is populated. | This message is generated when the Packaging Material Code attribute is populated and no value is specified for Material Code Agency field. |
| This is required if List Price is populated. | This message is generated when the List Price attribute is populated and no value is specified for List Price Basis Per Unit field. |
| This is required if Color Code Maintenance Agency attribute is populated. | This message is generated when the Color Code Maintenance Agency attribute is populated and no value is specified for Color field. |
| This is required when the Color attribute is populated. | This message is generated when the Color attribute is populated and no value is specified for Color Code Maintenance Agency field. |
| This is a mandatory field. | This message is generated if there is no value specified for a mandatory field. |
| Invalid Packaging Type. | This message is generated if the packaging type specified is invalid. |
| EAN UCC Code and Type is Required if the Product Type is Case or Each. | This message is generated if the EAN UCC Code and Type is not specified when the product type is case or each. |
| Action not allowed for Trade Item | This message is generated when the user does not have access to perform certain actions for the trade item. |

| Error Message | Description |
|---|---|
| Trade Item {0} does not exist or user does not have enough privileges. | This message is generated when the user tries to access a trade item and it either does not exist in the system or does not have access to that trade item. |
| This is required if the Product Strength attribute is populated. | This message is generated when the Product Strength attribute is populated and no value is specified for Product Strength Basis field. |
| This is required if the Product Strength Basis attribute is populated. | This message is generated when the Product Strength Basis attribute is populated and no value is specified for Product Strength field. |
| This is required if the Product is Base or Concentrate. | This message is generated when product is base or concentrate and no value is specified for Ready to Use Volume. |
| This is required if the Fat Content attribute is populated. | This message is generated when Fat Content attribute is populated and no value is specified for Fat Content Basis UOM. |
| EAN UCC Code is invalid for the specified EAN UCC Type | This message is generated when the user has specified an invalid EAN UCC Code for the EAN UCC Type. |
| This is required if EAN UCC Type is populated. | This message is generated when the EAN UCC Type is specified and no value is specified for EAN UCC Code. |
| This is required if EAN UCC Code is populated. | This message is generated when the EAN UCC Code is specified and no value is specified for EAN UCC Type. |
| Start and End availability dates does not match | This message is generated when the start and end dates that is specified do not match. |
| First and Last ship dates does not match | This message is generated when the first and last ship dates that are specified do not match. |
| First and Last arrival dates does not match | This message is generated when the first and last arrival dates that are specified do not match. |
| This is required if Recommended Sales Price is populated | This message is generated when Recommended Sales Price is populated and no value is specified for Recommended Sales Price Basis per Unit and Recommended Sales Price Currency attributes. |
| This is required if Recommended Sales Price Currency is populated | This message is generated when Recommended Sales Price Currency is populated and no value is specified for |

| Error Message | Description |
|---|---|
| | Recommended Sales Price. |
| This is required if Trade Item is Orderable | This message is generated when the user specifies that the trade item is orderable and no value is specified for Ordering Sizing Factor attribute. |
| This is required if any retailer distributor specific attributes are populated | This message is generated if any retailer distributor specific attributes are populated and no value is specified for Retailer/Distributor GLN attribute. |
| This is required if the Retailer Distributor Item Description attribute is populated | This message is generated when Retailer Distributor Item Description attribute is populated and no value is specified for Retailer/Distributor Item Number. |
| This is required if the Retailer Distributor Property attribute is populated | This message is generated when Retailer Distributor Property attribute is populated and no value is specified for Retailer/Distributor Property Value. |
| This is required if Maximum Order Quantity, Minimum Order Quantity, Minimum Ship Quantity or Maximum Ship Quantity is populated. | This message is generated when any of the attributes mentioned have been populated and no value is specified for Order Quantity Multiple UOM. |
| This is required if any of the following attribute is populated.<br>• Hazard Code<br>• Hazardous Type Classification System<br>• Dangerous Goods A Margin Number<br>• Dangerous Group Packing Group<br>• Dangerous Goods Shipping Name<br>• Dangerous Goods Technical Name | All the attributes that are mentioned need to be specified. Even if one attribute is not specified then this message is generated. |
| Please enter a valid value. | This message is generated when the user enters an invalid value. |

### *Error and Confirmation Messages Generated by UCCnet data pool services*

This section lists the error and confirmation messages generated by UCCnet data pool services. For more information, refer the document *Global Data Synchronization Error Messages* document for UCCnet data pool services, **UCCnet(DTD) Error Messages.pdf**

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