

4.8.12 Using the Order Manager GUI

The Order Manager (OM) GUI provides operators with access to the Order Manager database. The current release has the same basic functionality as previous releases, but with many enhanced and additional features. The GUI is based on web standards. It performs most of its functions by accessing the database directly, in contrast to most current ECS operator GUIs that interface with a server. The GUI allows operators to view and modify requests that have been placed on hold by the Order Manager Server because they require operator intervention, and resubmit requests or portions of requests that have failed. It also supports the processing of physical media requests; management of HEG orders; and user configuration of ODL metadata users, external subsetter and SCP policy.

Notes on Operator Capability Levels

In accordance with new Operator GUI security standards, the OM GUI will implement two levels of permissions, such that only Full Capability operators have the ability to configure parameters and perform certain actions, while Limited Capability operators are restricted to basic functionality as outlined in this document. To accomplish this, the OM GUI disables inputs, buttons, and access to certain pages for Limited Capability Operators.

All screenshots in this document show pages accessible to Full Capability Operators, with the understanding that certain elements will be visibly disabled in many pages. All functionality not available to Limited Capability Operators will be clearly outlined in this document.

The Release 7.21 OM GUI provides Full Capability operators with the ability to:

- Monitor for Operator Interventions and modify request parameters associated with those interventions (such as update metadata format, SCP parameters).
- View Completed Interventions.
- View list of all Distribution Requests, Processing Service Requests, Ftp Push Distribution Requests, Staging Distribution Requests, Archived Requests and Archived Processing Requests.
- Filter Distribution Requests by individual order id, request id, e-mail address, first name, or last name. Filter Distribution Requests by combinations of status, media type, order type, user id, and creation start and end time.
- From any list of Distribution Requests, perform the following actions as appropriate: change priority, resubmit, suspend, resume, cancel or stop a request.
- View detailed distribution request information and perform the following actions as appropriate:
 - Change priority, resubmit, suspend, resume, cancel or stop the request.
 - For Physical Media requests, Stop a volume that is Creating or Verifying, and Retry failed volumes.

- Add or change operator notes.
- Change address information.
- View details of an ECS Order.
- View the profile of a user associated with an ECS Order.
- View suspended Ftp Push / SCP destinations and resume dispatching.
- Suspend an active destination or view non-terminal requests for the destination.
- View details for suspended Ftp Push / SCP destinations including Ftp Push / SCP Operations that caused the suspension and Ftp Push / SCP Requests that are not in a terminal state.
- View, update and cancel bundling order information (link to NSBRV GUI).
- Monitor for Operator Alerts caused by Ftp Push / SCP operations, Data Pool File System errors, Archive Server errors.
- Monitor and suspend/resume processing queue states.
- Monitor and suspend/resume staging states.
- Monitor the current staging status by media type, FTP Push or SCP.
- Configure OM Server and OM Database parameters.
- Configure the aging parameters for each ECS Priority level.
- Configure settings for each media type.
- Configure ODL metadata users.
- Configure the parameters for each external subsetter.
- Define and configure FTP Push / SCP destinations, as well as the “policies” for those destinations.
- Configure Archive Resource parameters.
- Monitor for OM Server statistics.
- Monitor for OM Staging statistics.
- Monitor, complete or fail Media Creation Actions.
- Get general and context-based help for all OM GUI functions.
- Track ESDTs stored in compressed format as part of output media volume creation.

The OM GUI provides Limited Capability operators with the ability to:

- Monitor for Operator Interventions.

- View Completed Interventions.
- View list of all Distribution Requests, Ftp Push Distribution Requests or Staging Distribution Requests.
- Filter Distribution Requests by combinations of order id, request id, status, order type, media type, user id, first name, last name, e-mail address, or creation time.
- View detailed distribution request information.
- View processing service request information.
- View details of an ECS Order.
- View the profile of a user associated with an ECS Order.
- View archived distribution requests.
- View archived processing service requests.
- View suspended Ftp Push / SCP destinations.
- View details for suspended Ftp Push / SCP destinations including Ftp Push / SCP Operations that caused the suspension and Ftp Push / SCP Requests that are not in a terminal state.
- View bundling order information (link to NSBRV GUI).
- Monitor for Operator Alerts caused by FTP Push operations, Data Pool File System errors, Archive Server errors, or Archive Tape errors.
- Monitor processing queue states.
- Monitor staging states.
- Monitor the current staging status by media type, FTP Push destination or SCP destination.
- View OM Server and OM Database parameters.
- View settings for each media type.
- View email settings for ODL metadata users.
- View configuration for each external subsetter.
- View FtpPush / SCP policy settings.
- View Archive Resource parameters.
- Monitor for OM Server statistics.
- Monitor for OM Staging statistics.
- Monitor complete or failed Media Creation Actions.

- Get general and context-based help for all OM GUI functions.

4.8.12.1 Starting the OM GUI

Start the web browser and then access the URL for the OM GUI web page with the format:

`http://server:port`

Example: `http://f4dp101.hitc.com:22401`

There is no need to specify a cgi-bin directory or a specific HTML page. The GUI will open itself in a new window and will close the parent window. If run on a Windows or Linux platform, the parent window may not close.

Browser Requirements

The OM GUI is certified for use with any browser supporting the Mozilla standard. Many modern browsers support this standard, including Netscape 7+, Firefox, and others. The OMS GUI was not designed to work with MS Internet Explorer or older versions of Netscape. JavaScript is an integral part of the OM GUI, and as such it must be enabled in the client browser.

Java, other scripting languages, or plug-ins are not used in the OM GUI.

4.8.12.1.1 OM GUI Home Page

The OM GUI Home Page screen shown in Figure 4.8.12-1 explains the basic services of the OM GUI. There is a static frame to the left that allows for easy and direct access to the desired pages. Due to the nature of this navigation method, the individual pages should not be viewed outside the frame environment. The navigation frame is also resizable if so desired.

Login and Sessions

The operator has the option of recalling a session by typing a name into the Login box in the left frame. This is only to recall particular session settings and is not intended for security in any way (see the GUI Security section later in this document). If the login name does not exist, a new session is created. If the operator does not choose to login, a temporary session is created.

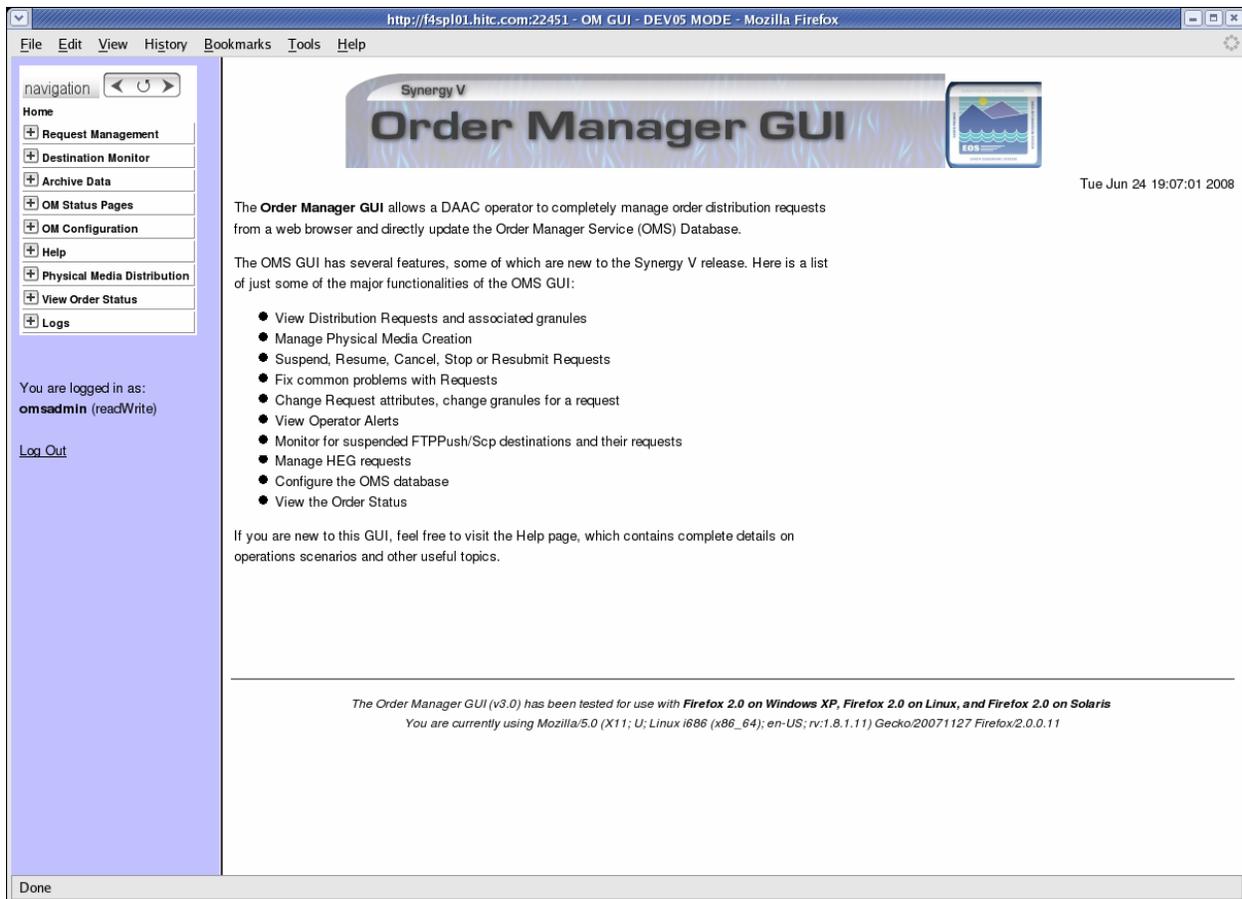


Figure 4.8.12-1. Order Manager GUI Home Page

Note: This screen shows an operator logged in using the OM GUI’s non-secure login system. This only appears if the security protocols were not installed.

4.8.12.1.2 GUI Security

The OMS GUI can optionally be installed with the GUI Security feature enabled. If it is, you will be prompted for a user name and password once the GUI is started. This user name will also be used as the session identifier, so that the operator can recall session settings. See Figure 4.8.12-2 for an example of the login dialog box.

User Names and Passwords

The installation team will have to create user names and passwords using special utilities. The details on this are in a different document.

GUI Security Disabled

If GUI Security has not been installed, the operator can still “log in” using the OMS GUI’s proprietary login system (see “Login and Sessions” under Section 4.8.12.2). See Figure 4.8.12-2 for an example of the login dialog box.

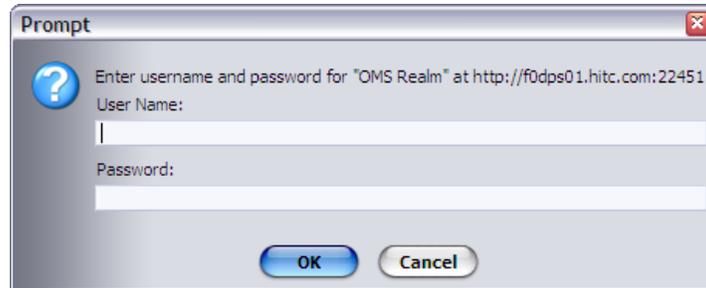


Figure 4.8.12-2. GUI Security Login

4.8.12.2 Request Management Pages

The Request Management section consists of several subsections that support a variety of capabilities allowing the operator to manage, modify, and monitor many aspects of distribution request processing. While the basic functionality of the Intervention pages remains the same, there are some enhancements, such as the ability to view Operator Interventions based on Staging errors.

In the event of a request failure, an operator intervention will appear on the “Open Interventions” page. In addition, an “Operator Alerts” page displays non-fatal warnings or errors that do not cause an Operator Intervention, but which otherwise might pose valuable to the operator. An example might be a suspended FTP Push destination.

4.8.12.2.1 Open Interventions Page

[[From the navigation menu, click on “Request Management” to display the available actions, and then click on “**Open Interventions**” to display the Open Interventions page, which contains a list of all the currently open Operator Interventions that require attention, as shown in Figure 4.8.12-3.]]

sessionId=omsadmin Tue Jun 24 11:33:13 2008

Open Interventions

Current Filters
 Order ID: None Request ID: None Worked By: None
 Creation Time: Start: Jun 24 2007 11:33AM End: Jun 24 2008 11:33AM

Media Type: Explanation: Request Canceled

Intervention Type: ALL

Options
 Change Filter Bulk Fail Bulk Submit
 All None All None

Click on a request ID to view more details.

Listing
 Go directly to row of 11 rows Show 5 rows at a time.

first | previous | Showing 1 - 5 of 11 | next | last

Sel	Fail Sub	Order ID	Request ID	MediaType	Request Size(MB)	Status	Worked By	Created	Acknowledged	Explanation(s)	IntervType
<input type="checkbox"/>	<input type="checkbox"/>	0400022967	0400023083	FtpPush	19	IN-WORK	omsadmin	Jun 23 2008 10:05PM	Jun 24 2008 11:24AM	Invalid Host Address Request Canceled Transfer failed	Operator Intervention
<input type="checkbox"/>	<input type="checkbox"/>	0400022966	0400023082	FtpPush	19	IN-WORK	omsadmin	Jun 23 2008 8:03PM	Jun 23 2008 8:36PM	Invalid Host Address Request Canceled Transfer failed	Operator Intervention
<input type="checkbox"/>	<input type="checkbox"/>	0400022964	0400023080	FtpPush	19	PENDING		Jun 23 2008 6:01PM		Invalid Host Address Request Canceled Transfer failed	Operator Intervention
<input type="checkbox"/>	<input type="checkbox"/>	0400022965	0400023081	FtpPush	19	PENDING		Jun 23 2008 3:59PM		Invalid Host Address Request Canceled Transfer failed	Operator Intervention
<input type="checkbox"/>	<input type="checkbox"/>	0400022963	0400023079	FtpPush	19	PENDING		Jun 23 2008 1:57PM		Invalid Host Address Request Canceled	Operator Intervention

http://f4spl01.hitc.com:22451/cgi-bin/EcOmGuiOpenInterv.pl?sessionId=omsadmin&pagel=AllInterventions

Figure 4.8.12-3. Open Interventions Page

The listing shows the Request ID that caused the intervention, as well as the associated Order ID, media type, request status, the operator who worked the intervention (no name will be shown if it has not been worked on), creation time, acknowledgement time, and the short explanation of what caused the request intervention. There are also checkboxes which can be used to select interventions to be acted upon for a **Bulk Fail** or **Bulk Submit**. Note that the highlighted column heading indicates which field is currently being used to sort the entries in the table. See Table 4.8.12-1 for descriptions of each field on this page.

Table 4.8.12-1. Open Interventions

Field Name	Description
Sel Fail	Checkbox used to indicate the intervention to be acted upon for a Bulk Fail . If the box is checked, the request will be failed when the Bulk Fail button is pressed.
Sel Sub	Checkbox used to indicate the intervention to be acted upon for a Bulk Submit . If the box is checked, the request will be submitted when the Bulk Submit button is pressed.
Order ID	The Order ID associated with the Request. Clicking on the Order ID will display a “detail” of the Order information.
Request ID	The Request ID associated with the Intervention. Clicking on the Request ID will display a detail of the Intervention.
MediaType	The media type this Order/Request uses
Request Size(MB)	Size of the request in megabytes.
Status	The current status of the Intervention. This can be one of: PENDING: No operator has been assigned nor any action has yet been taken for the Intervention IN-WORK: An operator has been assigned to an Intervention. This does not necessarily mean an action has been taken.
Worked By	The operator currently working the intervention. If no name appears, the Intervention has not been worked or reviewed. An operator must assign a name to the intervention before any modifications can be made.
Created	The Creation Date/Time of the Intervention
Acknowledged	The Date/Time that an action was first taken or when an operator assigned the intervention to a worker.
Explanation(s)	A description of the nature of the error. In the case of an FTP Push failure or Staging error, a special icon will appear to make it easily recognizable.
IntervType	Intervention type (new field). For normal interventions, this is simply “Operator Intervention”. Three types have been added: <ul style="list-style-type: none"> • HEG – Interventions related to HEG processing errors • Media Creation Error – Interventions resulting from an error at the creation stage of a physical media volume or volumes • QC Failed – Interventions resulting from an error at the QC Verification stage of a physical media volume or volumes

Interventions List Bulk Actions

The interventions list bulk actions allow the operator to act on more than one intervention at the same time. Buttons are shown on the **Options** bar for the **Bulk Submit** and **Bulk Fail** actions. When the operator clicks the **Bulk Fail** button, any intervention whose **Sel Fail** checkbox has been checked will be failed. When the operator clicks the **Bulk Submit** button, any intervention whose **Sel Sub** checkbox has been checked will be submitted.

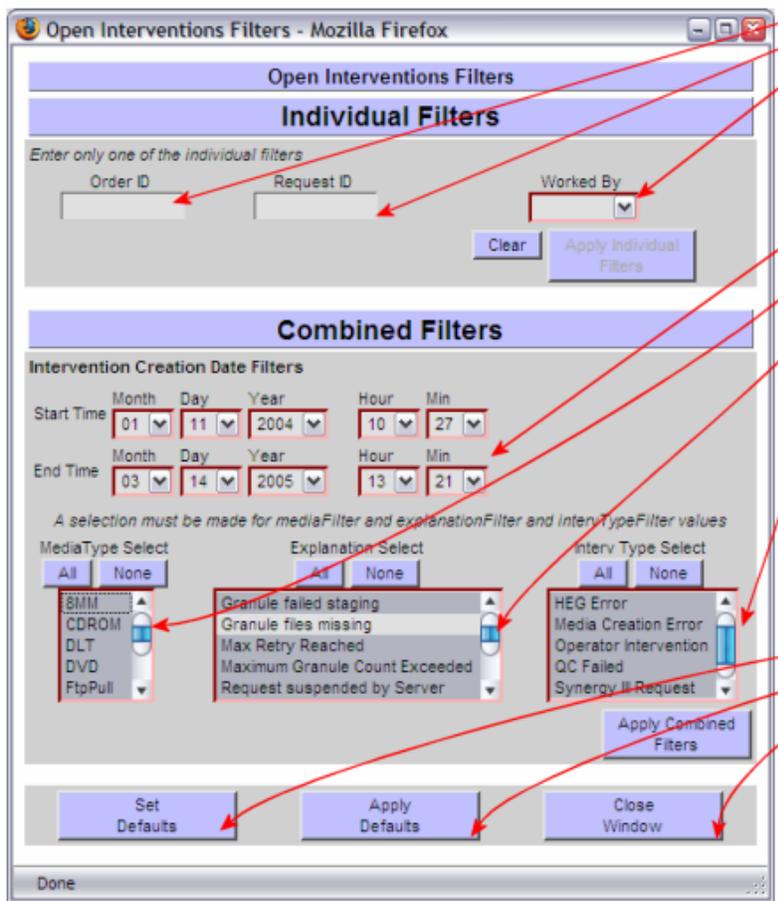
When the operator clicks the All checkbox below the **Bulk Fail** or **Bulk Submit** buttons, the corresponding checkboxes in the interventions list will be checked. When the operator clicks the None checkbox below the **Bulk Fail** or **Bulk Submit** buttons, the corresponding checkboxes in the interventions list will be unchecked.

Intervention List Filters

As with the Distribution Request pages, the Intervention pages have a filtering capability. To access this filter, click on the “Change Filter” button at the top of the page. This will display a pop-up window, as shown in Figure 4.8.12-5, in which the user can change the filter settings. The top of the page also displays your current filtering options, as shown in Figure 4.8.12-4.

Open Interventions		
Current Filters		
Order ID: None	Request ID: None	Worked By: None
Creation Time:	Start: Jan 11 2004 10:27AM	End: Mar 14 2005 01:17PM
Media Type: ALL		
Explanation: Granule failed staging, Max Retry Reached, Maximum Granule Count Exceeded, Request suspended by Server, Transf		
Intervention Type: HEG Error, Media Creation Error, Operator Intervention, QC Failed, Synergy III Request		
Options		
<input type="button" value="Change Filter"/>	<input type="button" value="Bulk Submit"/>	<input type="button" value="Bulk Fail"/>
	<input type="checkbox"/> Select All	<input type="checkbox"/> Select None

Figure 4.8.12-4. Current Intervention Filters



Individual filters - enter any *one* of these fields and click "Apply Individual Filters"

Combined filters - enter any *combination* of these fields and click "Apply Combined Filters"

Buttons to:

- Set default fields
- Apply default filter values, ignoring currently selected filters
- Close the filter window

Figure 4.8.12-5. Filter Window diagram

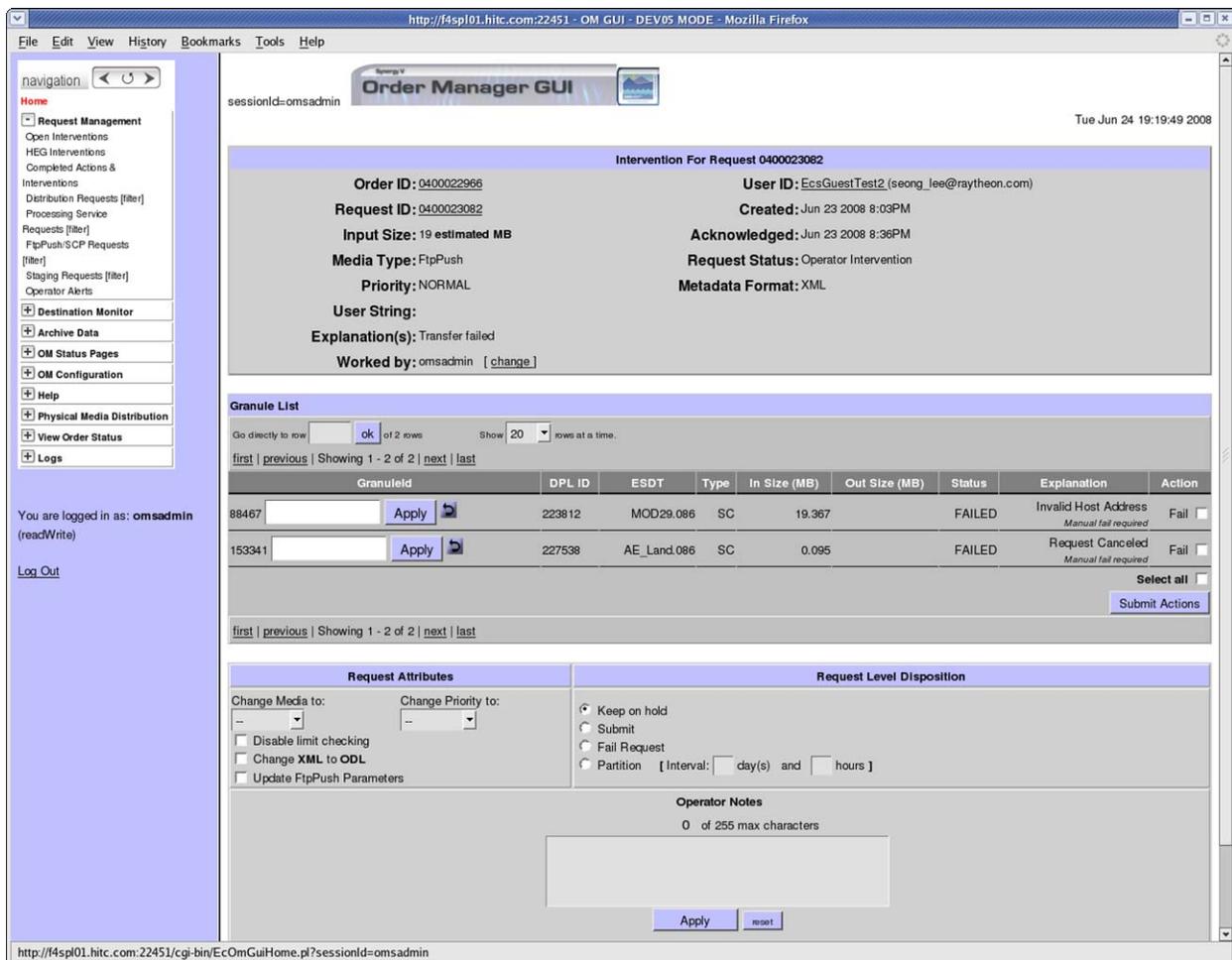


Figure 4.8.12-6. Open Intervention Detail

Note for Limited Capability Operators: The Open Intervention Detail page is limited to viewing the details of the intervention. Modifications may *not* be made to the Request or Granules for the Request. The operator is also prevented from taking any action on the Intervention.

To view the details of an intervention, click on its Request ID. This will bring you to a separate page (Figure 4.8.12-6) displaying all of the information on the previous listing, plus the user string (which would show the external request ID if the order source is the MTMGW), and the list of granules associated with the request.

From this page, the operator may take several actions to modify the request. First, any granule may be replaced with another by typing in a new granule ID and clicking "Apply". The granules may also be failed by clicking the "Fail" button in the far right column on the row for that granule.

Please note that modifications to the granules are independent of the request attributes – i.e., any changes made will not affect the status of the request, and the request will still be in “Intervention” status until the operator submits the request. See Table 4.8.12-2 for a description of each field on this page.

Legend:

FC = Full Capability operator only (the operator can only view this field or control)

all = This field or control does not have any restrictions

Table 4.8.12-2. Open Intervention Detail Page (1 of 4)

Field Name	Perm. Level	Description
User ID	all	The “owner” of this order, in most cases the person who originated the order. Clicking on the User ID will display a complete profile of the User. In parentheses, also displayed is the e-mail address to which information about this order will be sent (e.g., a granule is failed or changed).
Priority	all	The ECS Priority level associated with this Request. These Priority levels are predetermined in the Data Pool. For example, a LOW priority might have a priority of 75. The Priority Levels can be viewed in the OM Configuration Pages under “Aging Parameters”.
Order ID	all	The Order ID associated with the Request.
Request ID	all	The Request ID associated with the Intervention.
Input Size	all	The estimated size in MB of the Request
Media Type	all	The media type this Order/Request uses
Request Status	all	The current processing status of the Request. The Status can be one of “Intervention” or “Suspended” (this applies only FTP Push destination errors that have caused an Operator Intervention).
Worked by	FC	The operator currently working the intervention. If no name appears, the Intervention has not been worked or reviewed. An operator must assign a name to the intervention before any modifications can be made.
Created	all	The Creation Date/Time of the Intervention
Acknowledged	all	The Date/Time that an action was first taken or when an operator assigned the intervention to a worker.
Explanation(s)	all	A description of the nature of the error. In the case of an FTP Push failure or Staging error, a special icon will appear to make it easily recognizable.

Table 4.8.12-2. Open Intervention Detail Page (2 of 4)

Field Name	Perm. Level	Description
Granule List		
GranuleId	FC	The ECS Granule ID for the granule. This is not the full Granule ID as stored in the MSS or Order Manager Database, rather it is the 16-digit ID as stored in the Data Pool database. The operator can change the GranuleId by entering the new one in the text box next to the current GranuleId and clicking apply. Granule IDs must be changed one at a time. Maximum length is 16 digits
DPL ID	all	The Data Pool Granule ID, if applicable. These cannot be changed.
ESDT	all	The ESDT the granule is associated with, consisting of the ESDT short name and version ID.
Type	all	The type of granule, displayed as a two-character code. For example, SC is Science, BR is Browse, etc.
In Size (MB)	all	The input size in MB of the granule, before any processing (e.g. HEG). This field is always displayed, not matter what type of granule it may be.
Out Size (MB)	all	The output size in MB of the granule, after it has underwent processing (e.g. HEG). This field is only displayed if an output size exists in the database.
Status	all	The current status of the granule. Statuses can be: SKIPPED: The granule has been skipped because it has failed validation (e.g., the granule was not found). Note that FAILED and SKIPPED granules may be failed by the operator. Granules in any other state can not be failed. NULL: This is the initial state, essentially meaning the status is OK TRANSFERRING: The granule is in the process of being pushed to a destination. SHIPPED: The granule has been delivered to the PDS to be put of a physical medium, or the granule has been pulled. FAILED: There are several explanations for failed granules. Note that FAILED and SKIPPED granules may be failed by the operator. Granules in any other state can not be failed. HOLD: The granules may be placed on "HOLD" if it has failed validation or there are problems writing the granules to the media.
Explanation	all	Provides a more detailed explanation of the granule Status
Action	FC	If the granule is eligible to be failed a "Fail" button will be provided in this column

Table 4.8.12-2. Open Intervention Detail Page (3 of 4)

Field Name	Perm. Level	Description
Request Attributes		
Disable limit checking	FC	When the request is submitted, the request size will not be taken into consideration. If the request was too small or too large, this option should be used to bypass these checks.
Change Media to	FC	Select the desired new media type for this request. If FtpPush is selected, the operator will be prompted for the FtpPush destination details on the next page. If the media type is being switched from an electronic to a physical medium (e.g., from FtpPull to CDROM), the operator will be prompted for the shipping details on the next page.
Change Priority to	FC	Select the desired new priority for this request.
Change XML to ODL	FC	This option will only appear if the metadata format was XML. When the option is checked, the operator will receive metadata in ODL format.
Change ODL to XML	FC	This option will only appear if the metadata format was ODL. When the option is checked, the operator will receive metadata in XML format which is the default metadata format.
Update FTP Push Parameters	FC	This option will only appear if the media type was originally FtpPush. When this option is checked, the operator will be prompted to change the existing FtpPush parameters on the next page.
Update SCP parameters	FC	This option will only appear if the media type was originally SCP. When this option is checked, the operator will be prompted to change the existing SCP parameters on the next page
Request Level Disposition		
Keep on hold	FC	This will keep the request on "Hold" – i.e., in Intervention status, and will stay on hold until the operator submits or fails the request. This option also saves the operator notes.
Submit	FC	This is in effect re-submitting the request with the altered attributes. Once the request is submitted, the Intervention is closed out. When this option is selected, the operator will be prompted to confirm the disposition on the next page (and will possibly be prompted for further details of an altered Request Attribute).
Fail Request	FC	Selecting this option will fail the entire distribution request and close out the intervention. The operator will be prompted for confirmation on the next page. A DN option is presented on the Close Confirmation page when this disposition is selected. By default, a DN will be sent, unless the operator selects the option not to send it.

Table 4.8.12-2. Open Intervention Detail Page (4 of 4)

Field Name	Perm. Level	Description
Partition	FC	This is in effect submitting the request but with the specification to partition it over the current partition size (see the Media Configuration section for more details on partitioning). If days and/or hours are provided, the request will be partitioned in this time interval. The days and hours fields must be whole numbers with no decimal fractions.
Operator Notes	FC	Up to 255 characters can be stored for notes. The notes will only be saved if a disposition is taken on the request, even if a request is failed. When a granule ID is changed, a record of the change is automatically appended in the notes.

Close Confirmation

When the actions have been finalized, click “Apply” at the bottom of the screen. This brings up the Close Confirmation page (Figure 4.8.12-7), where the operator will be prompted to verify any actions s/he wishes to take. If the action warrants an e-mail (failed request, partition, modified granules) the operator may add text to the standard e-mail preamble that will be sent to the configured e-mail address for that user. If the media type has been changed from FtpPush to a physical media type, the operator will be prompted for the shipping address. If the media type has been changed to either FtpPush or SCP, the operator will be prompted for the destination details; some of this destination information is dependent on the media type. Figure 4.8.12-7 shows an example of a Close Confirmation screen with a failed request where the output is being redirected from an electronic media type to a physical type.

Note: Since Limited Capability operators cannot work on Interventions, the Close Confirmation screen will not be accessible to them.

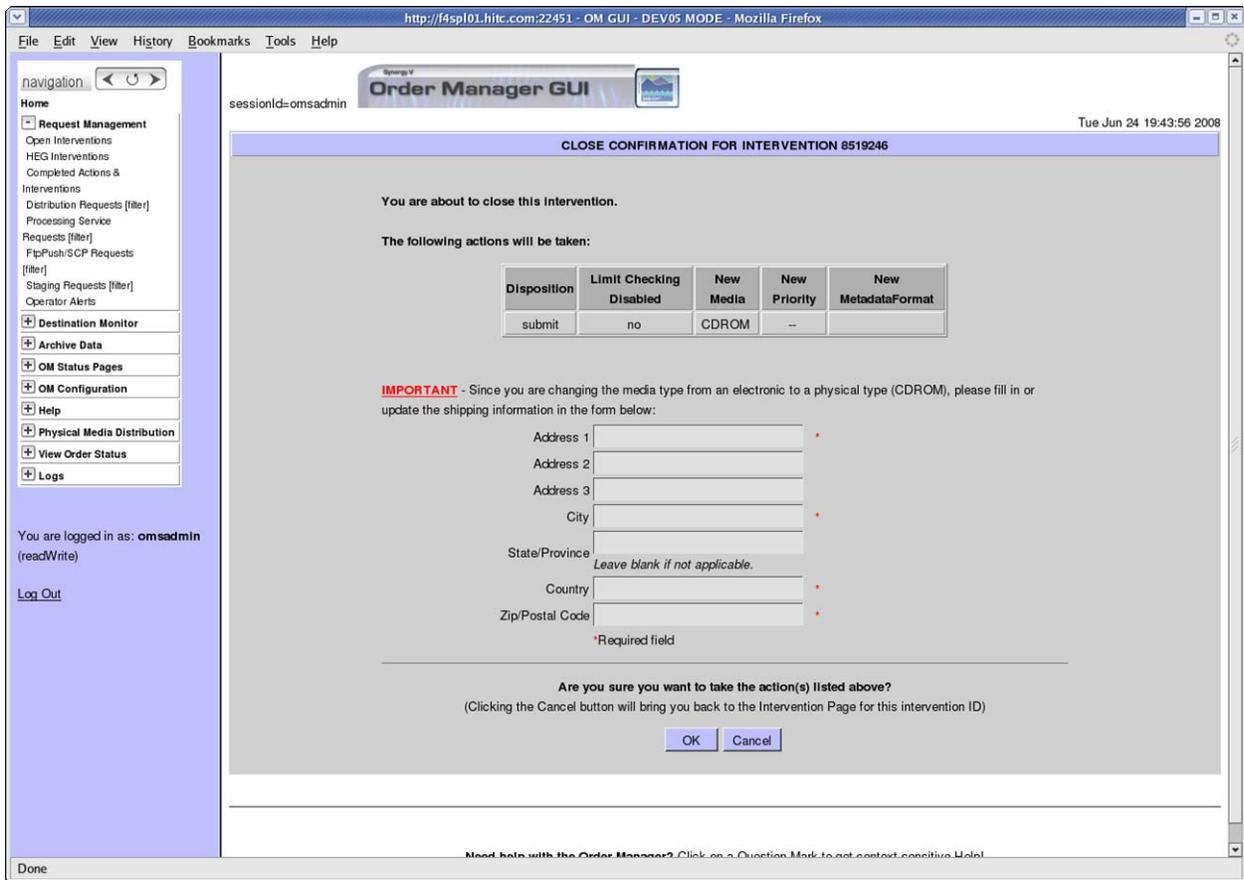


Figure 4.8.12-7. Close Confirmation Page

Note: This screen is not visible to limited-capability operators.

After the operator has verified and confirmed the actions, the next screen shows the status of the submitted disposition. Figure 4.8.12-8 shows an example of a successful submission and verifies that the database has been updated with the changes. To get back to the Open Interventions listing, click OK.

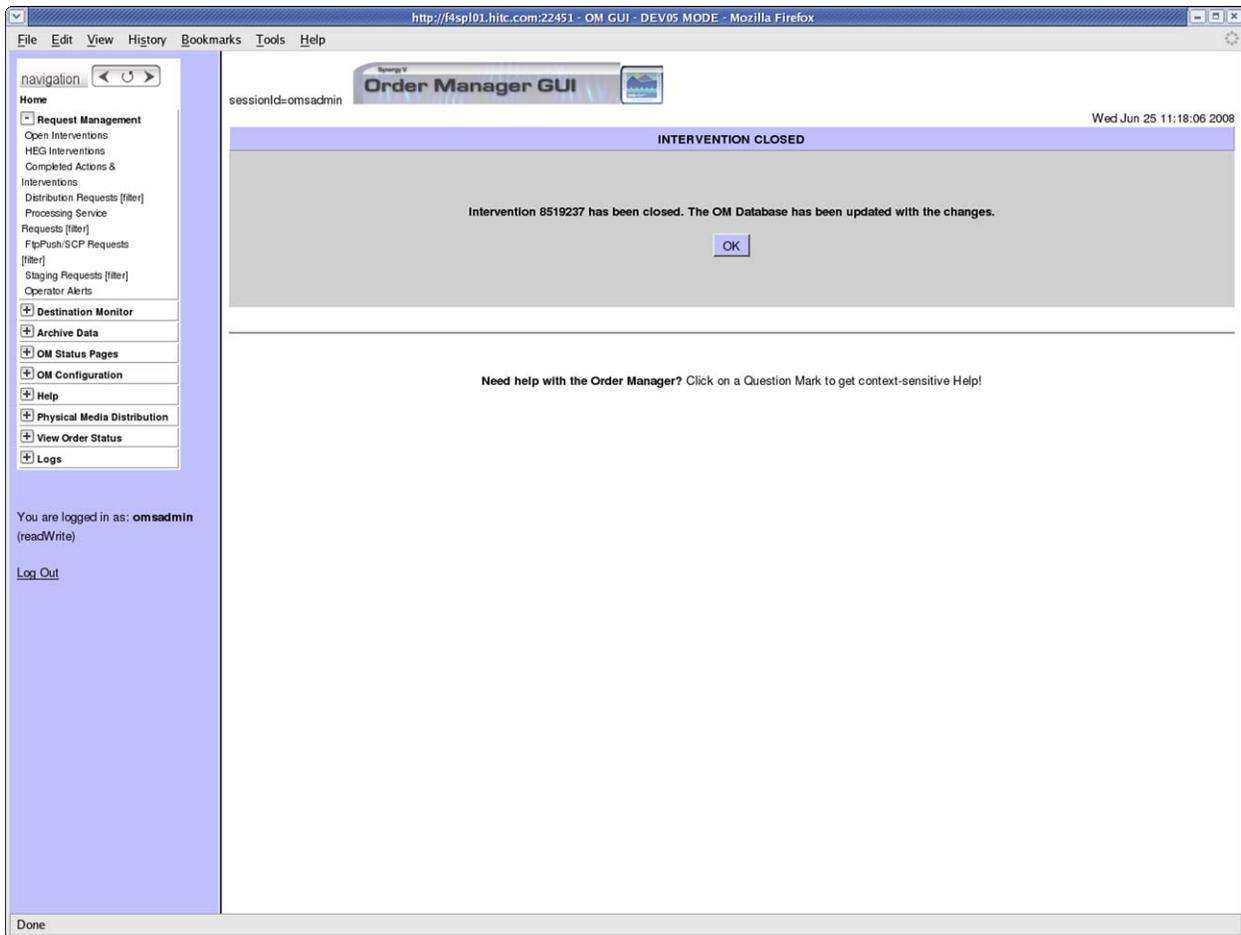


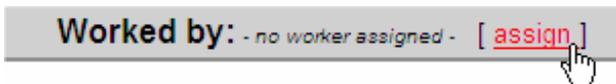
Figure 4.8.12-8. Close Confirmation Success Screen

Note: This screen is not visible to limited-capability operators.

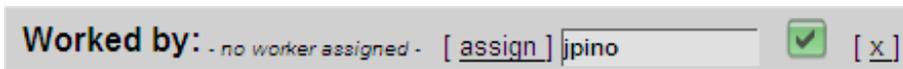
Instructions for Working an Intervention

The following are the operator steps to work on an intervention.

1. If a worker is not currently assigned to the intervention, *-no worker assigned-* will be displayed in the **Worked by** field. Click [assign]:



A text box will appear with your currently logged-on ID. You can also use a different ID. Click the green checkbox to assign the worker:



The page reloads with the new worker ID:

Worked by: jpino [[change](#)]

To assign a different worker, click [change] and put a new name in the textbox.

2. First, the operator can choose to fail or edit granules. For example, some granules that are inaccessible can be replaced by a new granule ID (the GranuleId). It is the operator's responsibility to obtain a suitable replacement, as the GUI/database will not automatically do this. Simply click the **Apply** button next to the granule to change it. Note: All granule changes are permanent. A granule cannot be un-failed, and no record is kept of previous granule IDs when changing the granule.
3. Next, the operator may change the request attributes, then select a disposition to close the intervention. There are four possible attributes the operator may change:
 - a. **Disable limit checking** – *If this is selected, the request size limit checking will be disabled.*
 - b. **Change Media to** – *Allows the request's media type to be changed to any physical or electronic media type. Some additional issues to be aware of:*
 - **Changing to SCP or FtpPush** – *When confirming the resubmission of the request, the operator will be prompted to enter destination parameters, some of which will depend on the new media type.*
 - **Changing from any electronic media type to any physical media type** – *The operator will be prompted to enter the shipping address details, since the media will be written to physical volumes and shipped to an address.*
 - c. **Change Priority to** – *This changes the request's ECS priority level. A higher priority moves the request through the system more quickly.*
 - d. **Change XML to ODL** – *This will appear if the metadata format for the request is XML. It allows the operator have the metadata to be delivered in ODL format.*
 - e. **Change ODL to XML** – *This will appear if the metadata format for the request is ODL. It allows the operator have the metadata to be delivered in XML format.*
 - f. **Update FtpPush Parameters** – *This will appear if the media type is FTP Push. It allows the operator to update any FTP parameters, including the destination information.*
 - g. **Update SCP Parameters** – *This will appear if the media type is SCP. It allows the operator to update any SCP parameters, including the destination information.*

Dispositions

The available dispositions, or actions, the operator may make on the request are:

- **Keep on hold** - *Normally, the operator can use this disposition to add or update the operator notes on the intervention. The intervention will not be closed.*
 - **Submit.** - *The operator can use this disposition to release the intervention, thus applying any new request attributes. Once the intervention is submitted, the request is no longer in Operator Intervention and will be sent back through validation and normal processing by the OMS Server.*
 - **Fail Request** – *Completely fails the distribution request, at which point it is not sent back through validation, nor will it be processed by the OMS Server.*
 - **Partition** - *For cases when a request size exceeds the maximum size limit. This is effectively submitting the request (see the **Submit** option above).*
4. The operator can also add to or edit the operator notes. (**Note:** there is a 255-character limit)
 5. Then click the **Apply** button. A confirmation page will display to show the disposition information. For a failed request and granules, the additional e-mail text box will display to allow operator to optionally add additional e-mail text. The default is to send e-mail for failed request or granules. However, the operator can choose not to send e-mail.

4.8.12.2.1.1 HEG Interventions

The OMS GUI can display Operator Interventions involving HEG orders. Several features are specific to HEG processing and HEG Intervention dispositions will be different from other types of interventions.

Processing Instructions

Since HEG processing involves XML processing instructions, these will be displayed when viewing a HEG intervention. Though a HEG order may contain a mix of granule types (those with and without processing instructions), if there are any to display, an additional column will be shown in the granule list. This column shows a link to view the processing instructions details, if any.

HEG Interventions Page

HEG interventions can be viewed by clicking the “HEG Interventions” link under the Request Management menu. This page is hard-coded to display only HEG interventions as shown in Figure 4.8.12-9.

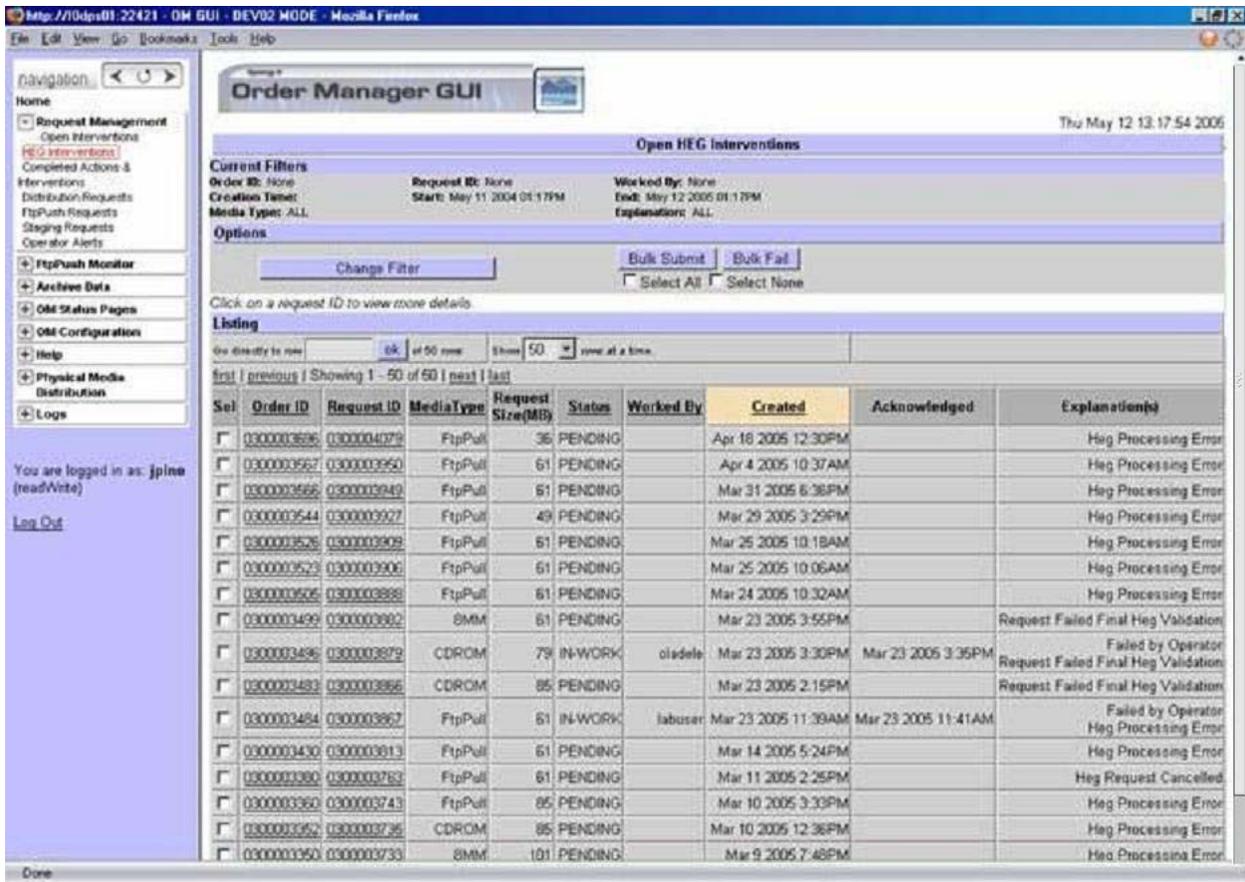


Figure 4.8.12-9. HEG Interventions Screen

4.8.12.2.1.1.2 HEG Intervention Detail

To view the detailed information for a HEG Request, click on the Request ID link to load the Detail Page as shown in Figure 4.8.12-10. Since it is possible for HEG granules to contain processing instructions, the operator may click on the “View...” link under the “Processing Instructions” column to view a popup window containing the XML processing text for that granule (see Figure 4.8.12-10).

Intervention Options

Because HEG Requests are in a processing state, they do not have the same disposition options that other requests do. In addition, Request Attributes (change of media type/priority) cannot be modified. The available disposition options are in Table 4.8.12-3.

Table 4.8.12-3. Intervention Options

Disposition	Description
Keep on hold	Places intervention in hold status; no action is taken with the request.
Submit	Submits the request with any changes. Failed granules remain failed and are not reprocessed.
Resubmit and retry processing of failed granules	Submits the request with any changes, but failed granules with HEG processing are retried.
Fail Request	Fails the distribution request entirely.

Granule Replacement

Eligible granules (SKIPPED or FAILED) may be marked “failed by operator”, but granule replacement is not permitted for a HEG intervention.

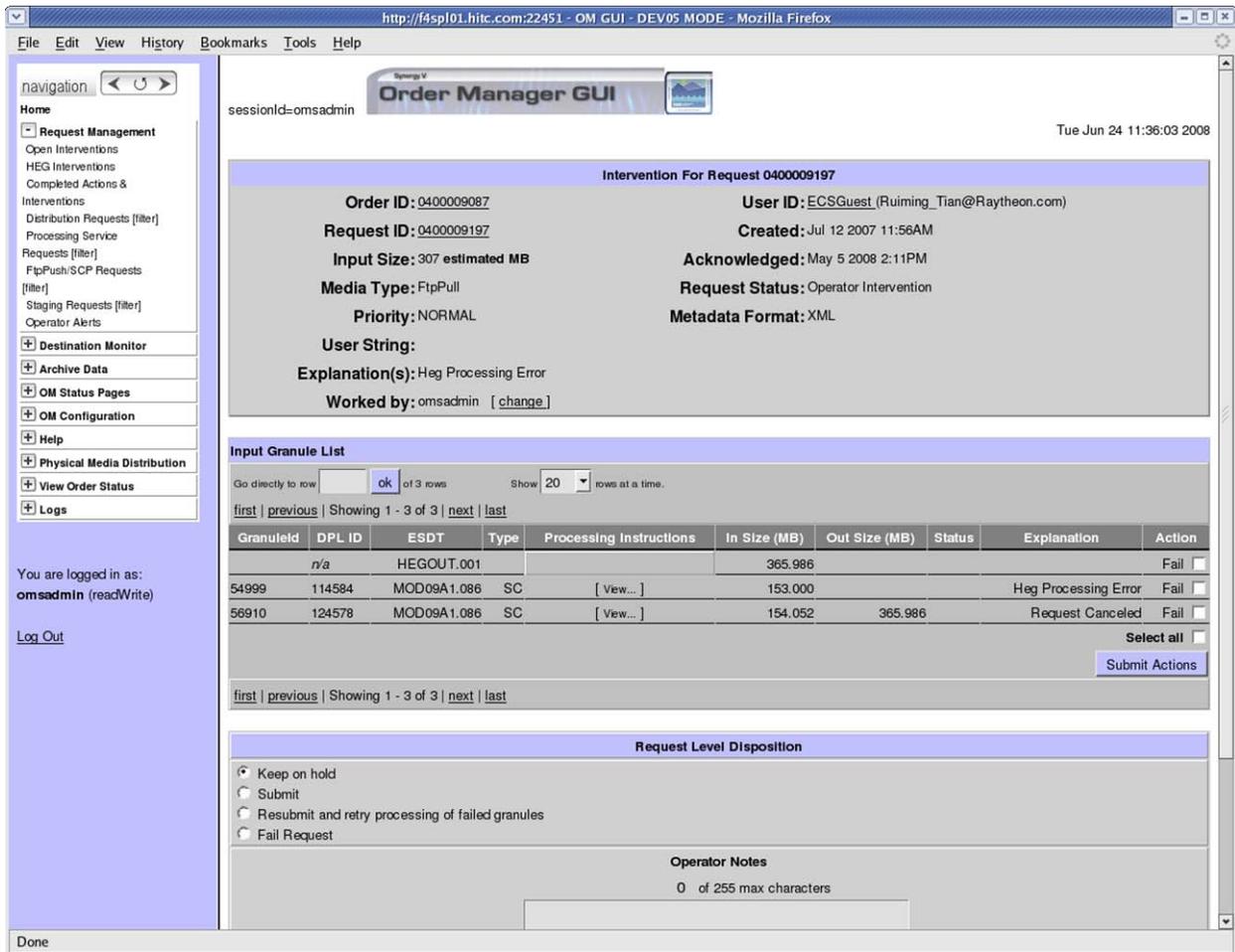


Figure 4.8.12-10. HEG Intervention Detail

Close Confirmation

For a “submit retry processing” disposition, the close confirmation screen will display a warning (see Figure 4.8.12-11). Otherwise, this screen is the same as with other dispositions.

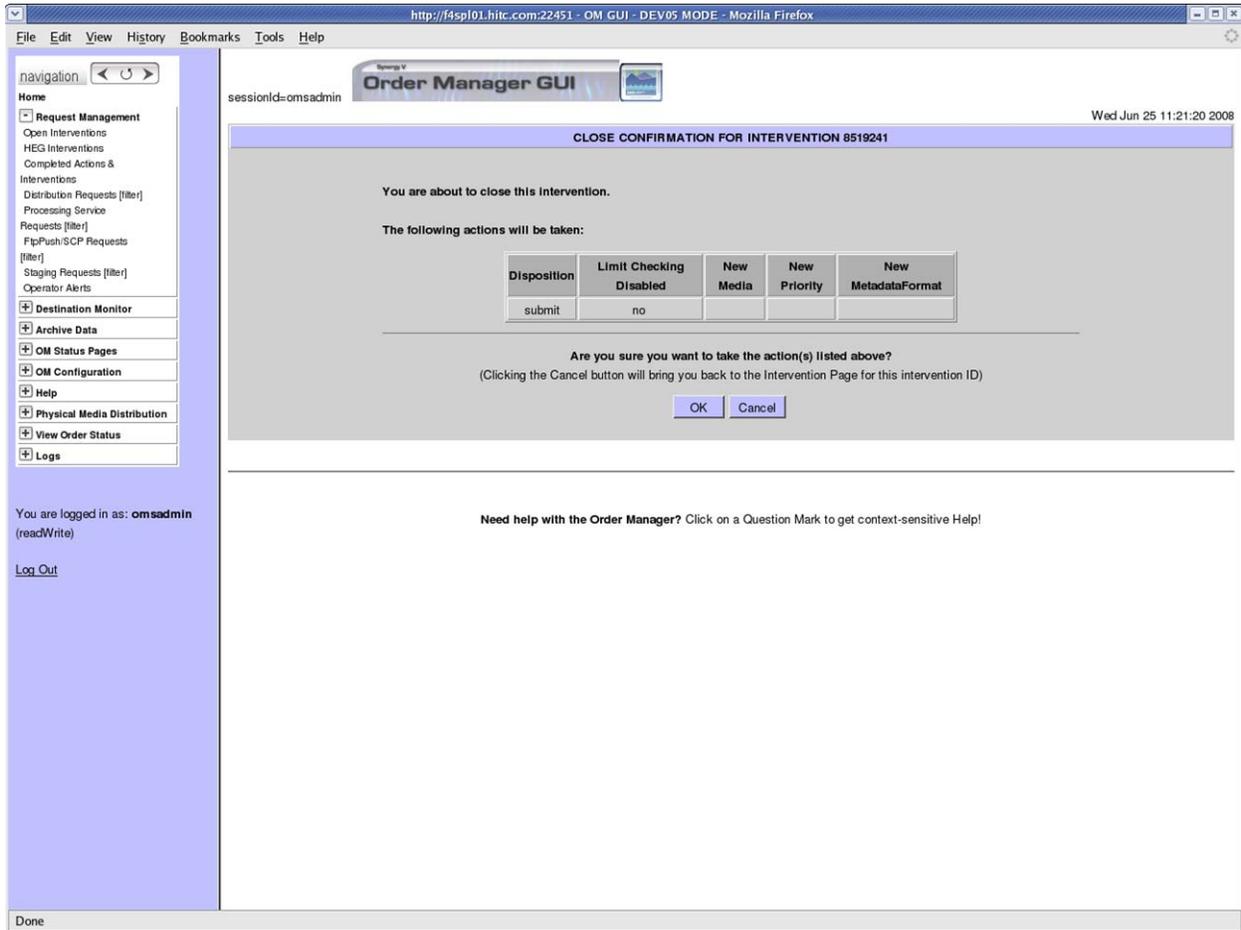


Figure 4.8.12-11. Close Confirmation for HEG Intervention

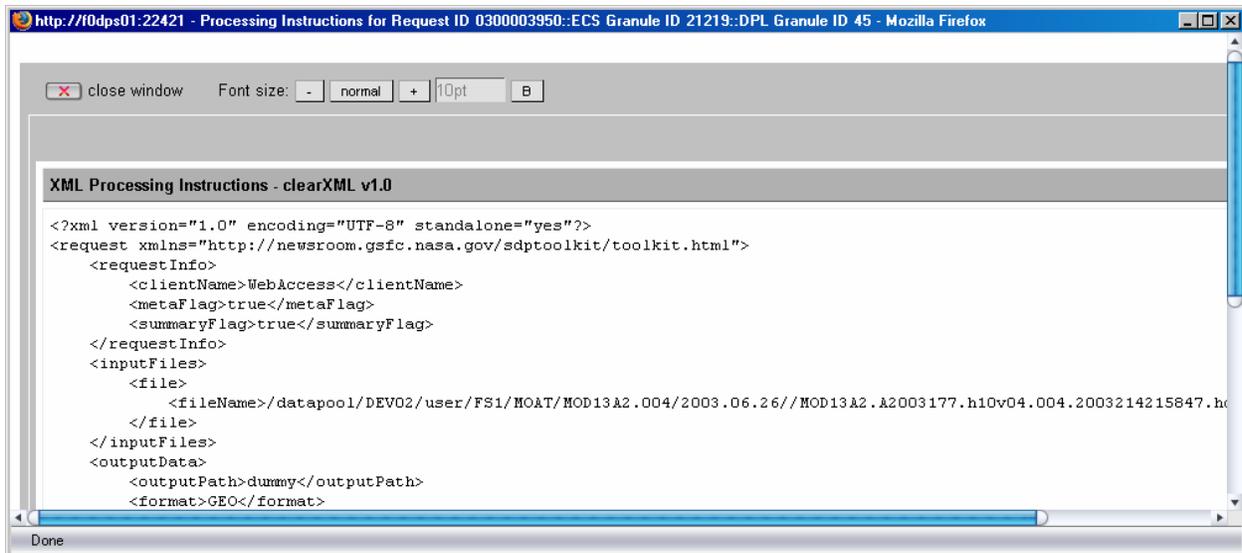


Figure 4.8.12-12. Processing Instructions

4.8.12.2.2 Operator Alerts Page

From the navigation menu, click on “Operator Alerts” to open the **Operator Alerts** page (Figure 4.8.12-13). By default, the filter is set to display all types of Alerts and the operator can filter the list for the various Alert types. The types of Operator Alerts that can be displayed are:

- FTP Push / SCP Destination Alerts (problems with the destination not causing an Operator Intervention)
- Data Pool File System Alerts
- Archive Server Alerts
- ECS Server Alerts – warnings about OMS resource errors

The list of alerts will also be sorted in ascending order by date (i.e., the oldest Alerts will appear first). For FTP Push Destination Alerts, the destination could be either a configured or a non-configured destination (not one in the Frequently Used Destinations list, as configured in the FTP Push Policy Configuration page).

The Alert Info will be shown in the column adjacent to the Alert Type. This column will contain more specific information about the nature of the problem. For example an FTP Push Alert would show the IP address (or configured alias, if appropriate) and why the destination is having problems.

For FTP Push or SCP Alerts, a link will appear in the Alert Details Column, and the operator may click on this to view a listing of all requests associated with the suspended destination. The

operator can then modify the request attributes manually. No detail page is available for other types of alerts, as all of the pertinent details are already displayed.

Unlike an Operator Intervention, no specific action can be taken to close an alert. The Order Manager Server will automatically clear an alert once all conditions related to the problem have been resolved.

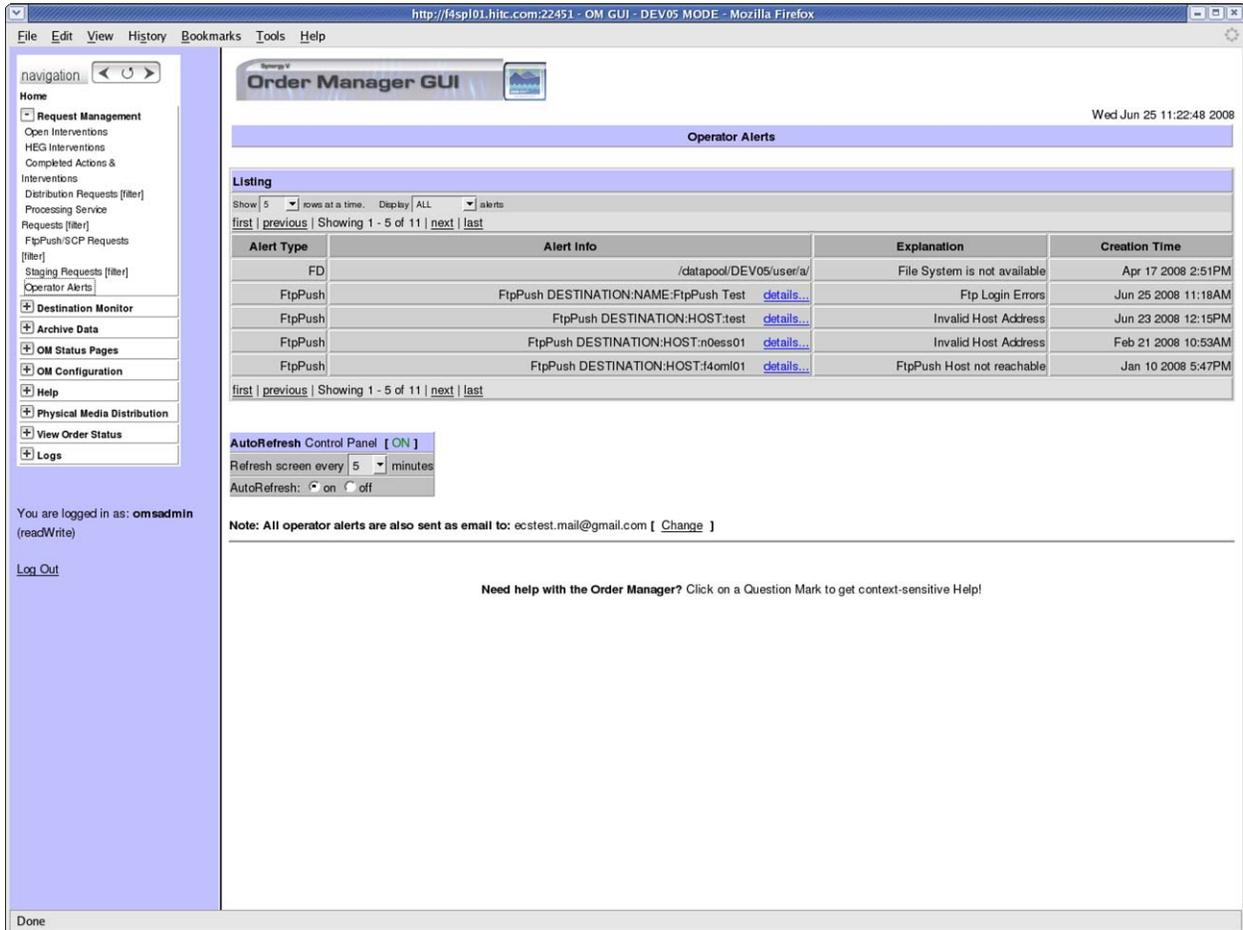


Figure 4.8.12-13. Operator Alerts

4.8.12.2.3 Completed Interventions Page

4.8.12.2.3.1 Completed Operator Actions and Interventions Page

From the navigation menu under the **Request Management** subheading, the operator can click on “Completed Actions & Interventions” to open the **Completed Operator Actions and Interventions** page (see Figure 4.8.12-14). This page displays all completed and closed Operator

Interventions and Actions. Once the operator has completed work on an intervention or action, the item in that list is moved to this page. Table 4.8.12-4 describes all the fields on this page.

The screenshot displays the 'Completed Operator Actions and Interventions' page in the Order Manager GUI. The page includes a navigation sidebar on the left, a filter section at the top, and a main table of records. The filter section allows users to select an intervention type (e.g., 'Activate Media for QC', 'Activate Request', 'Assemble Package') and specify completion times. The table lists five records with details on order and request IDs, user IDs, media sizes, types, and completion dates. A sidebar on the left provides navigation options such as 'Request Management', 'FtpPush Monitor', and 'Archive Data'. The status bar at the bottom indicates the user is logged in as 'dcopeian' and provides a 'Log Out' link.

Order Id	Request Id	User ID	Size (MB)	Media	Worked By	Intervention Type	Created	Completed	Disposition
0300016993	0300018380	labuser	1,523	DLT		Mount Media For Production	May 11 2005 10:31AM	May 11 2005 10:38AM	Media mount confirmed
0300016997	0300018383	labuser	1,523	DLT		Mount Media For Production	May 11 2005 10:31AM	May 11 2005 10:38AM	Media mount confirmed
0300016983	0300018389	labuser	1,523	DLT	labuser	Media Creation Error	May 10 2005 5:03PM	May 11 2005 9:59AM	
0300016982	0300018367	labuser	1,523	DLT		Assemble Package	May 10 2005 4:57PM	May 11 2005 9:55AM	Request Shipped
0300016987	0300018373	labuser	1,523	DLT	labuser	Mount Media For Production	May 10 2005 4:52PM	May 11 2005 9:59AM	

Figure 4.8.12-14. Completed Operator Actions and Interventions Page

Table 4.8.12-4. Fields on Completed Operator Actions and Interventions Page

Field Name	Description
Order Id	The Order ID associated with the Request. Clicking on the Order ID will display a “detail” of the Order information.
Request Id	The Request ID associated with the Closed Intervention. Clicking on the Request ID will display a detail of the Intervention.
User ID	The “owner” of this order, in most cases the person who originated the order. Clicking on the User ID will display a complete profile of the User
Size (MB)	The estimated size in MB of the Request
Media	The media type this Order/Request uses
Worked By	The operator who last worked on, resolved, or closed the Intervention.
Intervention Type	The type of the Intervention or action.
Created	The Creation Date/Time of the Intervention
Completed	The Closure Date/Time of the Interventions
Disposition	The final action that was taken to resolve the Intervention

Filtering the Completed Operator Actions and Interventions List

At the top of the page, the operator may select the time parameters, worker ID, and Intervention Type by which to filter the list. Once the operator clicks “Apply” in the filter window, the Completed Interventions page is reloaded with the applied filter values.

Completed Action/Intervention Detail

By clicking on a Request ID, the operator can view the same details of an Intervention or Action as contained on the Open Intervention Detail or Physical Media Console page (see Figure 4.8.12-15), except that the operator cannot take any action nor modify the Request in any way. To get back to the Completed Operator Actions and Interventions listing, the operator can click the back icon  on the top of the navigation frame.

4.8.12.2.3.2 Completed Interventions/ Actions Detail Page

When viewing the detail of a Completed Intervention, the operator can click on a User ID to view the User Profile or the Order ID to view the Order information. Table 4.8.12-5 describes each field on this screen.

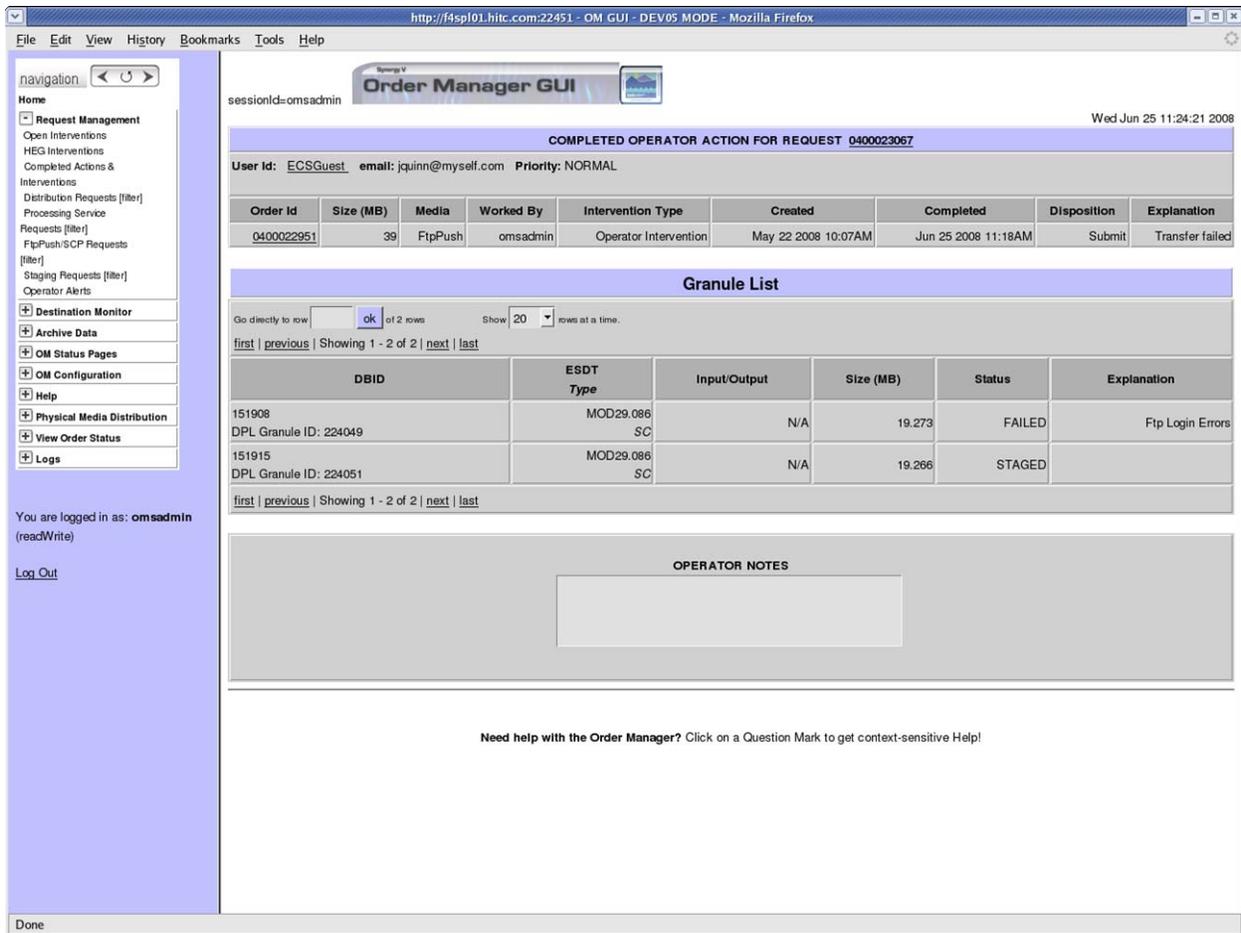


Figure 4.8.12-15. Completed Intervention/Action Detail Page

Table 4.8.12-5. Fields on Completed Intervention Detail Page (1 of 2)

Field Name	Description
User Id	The "owner" of this order, in most cases the person who originated the order. Clicking on the User ID will display a complete profile of the User
email	The e-mail address to which information about this order will be sent (e.g., a granule is failed or changed).
Priority	The ECS Priority level associated with this Request. These Priority levels are predetermined in the Data Pool. For example, a LOW priority might have a priority of 75. The Priority Levels can be viewed in the OM Configuration Pages under "Aging Parameters".
Order Id	The Order ID associated with the Request. Clicking on the Order ID will display a "detail" of the Order information.
Size (MB)	The estimated size in MB of the Request

Table 4.8.12-5. Fields on Completed Intervention Detail Page (2 of 2)

Field Name	Description
Media	The media type this Order/Request uses
Worked By	For nonphysical media requests, shows the name of the worker who last worked this intervention.
Intervention Type	The type of the Intervention or action.
Created	The Creation Date/Time of the Intervention
Completed	The Date/Time the Intervention was completed
Disposition	The final action that was taken to resolve the Intervention
Explanation	This is the explanation of any errors that occurred on the granule-level.
Fields on the Granule List	
DBID	The Database ID or "Granule ID" for the granule. This is not the full Granule ID as stored in the MSS or Order Manager Database, rather it is the 16-digit ID as stored in the Data Pool database.
ESDT Type	The ESDT type the granule is associated with, consisting of the ESDT short name and version ID.
Size (MB)	The size in MB of the granule.
Status	<p>The current status of the granule. Statuses can be:</p> <p>SKIPPED: The granule has been skipped because it has failed validation (e.g., the granule was not found)</p> <p>NULL: This is the initial state, essentially meaning the status is OK</p> <p>TRANSFERRING: The granule is in the process of being pushed to a destination.</p> <p>SHIPPED: The granule has been delivered to the PDS to be put of a physical medium, or the granule has been pulled.</p> <p>FAILED: FTP Push transfer failure.</p> <p>HOLD: The granules may be placed on "HOLD" if it has failed validation or there are problems writing the granules to the media.</p>
Processing Instructions	Will be displayed when viewing a HEG intervention. A HEG order may contain a mix of granule types (those with and without processing instructions), if there are any to display, an additional column will be shown in the granule list. This column shows a link to view the processing instructions details, if any
Explanation	Provides a more detailed explanation of the granule Status
Operator Notes Box	
OPERATOR NOTES	This will contain a record of the DBID changes, plus any notes the operator may have manually typed in.

Links to Other Pages

The operator may click on the Request Id, Order Id or User Id to view the Request Detail, Order, or User Profile pages, respectively, associated with the request. For HEG requests, the operator may click on the **View** link to view the processing instructions associated with the granule.

4.8.12.2.4 Distribution Requests Pages

The subsections are:

- Distribution Requests
- Processing Service Requests
- Destination Monitor
 - o Suspended Destinations
- Staging Requests
- Historical Requests
- Historical Processing Requests
- Order Detail
- User Profile

Lists of distribution requests also appear on the Order page, for bundling orders only, and on the Destination Detail page, requests not in a terminal state only. All actions that apply to other lists of distribution requests are available on these pages as well.

4.8.12.2.4.1 View Distribution Requests

There are six pages that display a Distribution Requests list. These are:

- Distribution Requests (All)
- Processing Service Requests
- FtpPush/SCP Requests
- Staging Requests
- Historical Distribution Requests
- Destination Monitor
- Order Page – Bundling Orders only

These pages share many common features. These shared features will be described in the next section, followed by descriptions of features that are unique to each page.

4.8.12.2.4.2 Distribution Requests Lists – Common Features

Request Lines

Each line of the request list shows pertinent fields for a specific request. A few fields are not shown in every list. These are specified in the unique features sections. Table 4.8.12-6 is a list of fields that appear for every request line.

Table 4.8.12-6. Fields Displayed (1 of 2)

Field Name	Data Type	Size	Description
Ord Typ	Character	8	“Regular”, “Bundled”, “MM” or “HEG”
OrderID	Integer	8	UID for this order created internally. This is a link to the Order page for this order.
RequestID	Link/Integer	10	UID for a request. This is a link to the Request Detail page.
Request Size(MB)	Integer	8	Cumulative size of granule science/metadata files in MB. Formatted as follows: for zero value – “0”, for value > 0 and < .5 – “< .5”, for all other values -rounded to the closest integer.
Gran Cnt	Integer	8	Number of granules associated with the request
Staging Complete (Staging Requests Page)	Integer	8	Number of granules that have completed staging
Complete (FtpPush /SCP Requests Page)	Integer	8	Number of granules that have completed FTP Push / SCP
Media	Character	8	Type of media associated with the request
Priority	Character	6	<p>This is a list of possible request priorities if the following conditions <u>do not</u> apply, the request:</p> <ul style="list-style-type: none"> • is in a terminal state , • has been submitted to PDS, • has a status of “QC Hold” or “Waiting for Shipment”, • has a status of “Pending Media Prod” and the dispatch mode for its media type is manual, • has a status of “Transferring ” and has a device assigned to it. <p>The current priority of the request is highlighted and can be changed.</p> <p>If the request is in a terminated state, no priority is displayed.</p> <p>Otherwise, the current priority is displayed and cannot be changed.</p>
Apply (priority) Button	Button	n/a	Click to change the priority of the request to the selected value.

Table 4.8.12-6. Fields Displayed (2 of 2)

Field Name	Data Type	Size	Description
Request Status	Character	21	Current status of the request. If the status is “Operator Intervention” and an OMS intervention exists, the status will be a link to the Intervention Detail page for the intervention.
Resource Class	Character	9	Resource class is an indicator of resource utilization based on archive resource demand. Values are: Cheap, Moderate, or Expensive
ESDT	Character	12	Earth science data type
UserID	Character	8	Identification of the user submitting the request. This is a link to the User Profile page for the userId
Resub Cnt	Integer	5	Number of times specified request has been resubmitted.
Created	Date/Time	19	Date/time the request was created
Last Update	Date/Time	19	Date/time the request was last updated
Actions	Buttons	8	One button for each Action for which the request is eligible. See section “Actions” for details

Navigation

The operator can scan through the list of requests by clicking on navigation links. These links permit selecting a specific starting row of requests or jumping to the **first**, **next**, **previous** or **last** block of requests. The operator can jump to a specified row by entering the row number in the box in the **Go directly to row ___ of n rows** line and clicking on the **OK** button. The pull down menu lets the operator select the number of requests displayed on a page; the available values are 5, 10, 20, 50 and 100 requests per page. If a value has been configured for the list, it will also be included as a selectable value. Table 4.8.12-7 provides descriptions of the navigation fields for the Distribution Requests page.

Table 4.8.12-7. Request Management Page Navigation Field Descriptions

Field Name	Data Type	Size	Entry	Description
Go directly to row (line no.) of nnnn rows	Integer	5	Optional	Line number of request to display at the top of the list
ok	Button	n/a	Optional	Refreshes the list starting with request line entered.
first	Link	n/a	Optional	Selects first block of requests
previous	Link	n/a	Optional	Selects previous block of requests
next	Link	n/a	Optional	Selects next block of requests
last	Link	n/a	Optional	Selects last block of requests
Show nn rows at a time	Drop down list	3	Optional	Number of rows (nn) to display in the Distribution Requests listing. Default value is taken from the configuration file.

Refresh

This page will be refreshed by default every 5 minutes. The operator can change the refresh rate by selecting from the pull down menu. The operator can also choose to suspend refresh by clicking the **AutoRefresh Control Panel** on/off button. If any field is changed the new value is stored and the page refreshes immediately. See Table 4.8.12-8 for Field Descriptions.

Table 4.8.12-8. Request Management Page Refresh Field Descriptions

Field Name	Data Type	Size	Entry	Description
AutoRefresh	Toggle switch	n/a	Optional	Turns auto-refresh on or off depending upon the current state.
Auto-refresh screen every nn minutes	Drop down list	2	Optional	Interval in minutes for screen auto-refresh. Values are 1, 5, 10, 15, 30, 45, and 60.

Filters

The list of current filters for the displayed request list is shown at the top of the page. To change these filter values, the operator clicks on the **Change Filter** button. This causes a pop-up window containing fields for changing the various filters to appear. Once the operator has selected the desired filters and clicks the **Apply Individual Filters**, the **Apply Combined Filters** or the **Apply Defaults** button, the Distribution Requests list will be refreshed with the new filters. The Distribution Requests Filters page (Figure 4.8.12-16) field descriptions are shown in Table 4.8.12-9.

http://f4spl01.hitc.com:22451 - Distribution Requests Filters - M...

sessionId=omsadmin

Distribution Requests Filters

Individual Filters

Enter only one of the individual filters

Order ID Request ID E-Mail

First Name Last Name

Combined Filters

Request Creation Date Filters

Start Time Month Day Year Hour Min
 01 27 2007 15 45

End Time Month Day Year Hour Min
 06 29 2008 12 52

A selection must be made for mediaFilter and statusFilter and orderTypeFilter values

Status Select All None

- Abort
- Aborted
- Active
- Being processed
- Bundling

MediaType Select All None

- CDROM
- DLT
- DVD
- FtpPull
- FtpPush

OrderType Select All None

- BO
- EP
- HEG
- MM
- Regular

User ID Parent EP Request ID

Done

Figure 4.8.12-16. Distribution Request Filter Popup

Table 4.8.12-9. Distribution Requests Filter Page Field Descriptions (1 of 3)

Field Name	Data Type	Size	Entry	Description	Default Value
Individual Filters – only one item from this group may be entered					
Order ID	Integer	11	Optional	Order ID of requests to be selected.	None
Request ID	Integer	11	Optional	Request ID of request to be selected.	None
E-Mail	Character	15	Optional	E-Mail address of requests to be selected.	None
First Name	Character	12	Optional	First Name of requests to be selected.	None
Last Name	Character	12	Optional	Last Name of requests to be selected.	None
Clear Button	Button	n/a	Optional	Clears value in any field in this group and disables the Apply Individual Filters button.	n/a
Apply Individual Filters	Button	n/a	Optional	Applies the field in Individual filter group which has text entered.	n/a
Combined Filters – these filters will be “anded”. At least one value for Status and Media Type is required.					
Creation time from/to	Character	n/a	Required Defaults need not be changed	Select from pull-down lists to specify a starting date and time and an ending date and time for filtering	To: current date/time. From current date/time minus 24 hours.
Status Select - All	Button	n/a	Optional	Selects all status values in the status scrolling list.	n/a
Status Select - None	Button	n/a	Optional	De-selects all status values in the status scrolling list. The warning message “A selection must be made..” is highlighted until a selection for status is made.	n/a
Status Select List	Scrolling List	n/a	Optional	Clicking on an entry in the list selects it if it is de-selected or de-selects it if it is selected. Any number of entries may be selected.	All statuses are selected.

Table 4.8.12-9. Distribution Requests Filter Page Field Descriptions (2 of 3)

Field Name	Data Type	Size	Entry	Description	Default Value
MediaType Select - All	Button	n/a	Optional	Selects all media type values in the media type scrolling list.	n/a
MediaType Select - None	Button	n/a	Optional	De-selects all media type values in the media type scrolling list. The warning message "A selection must be made .." is highlighted until a selection for media type is made.	n/a
MediaType Select List	Scrolling List	n/a	Optional	Clicking on an entry in the list selects it if it is de-selected or de-selects it if it is selected. Any number of entries may be selected.	All Media Types are selected.
OrderType Select - All	Button	n/a	Optional	Selects all order type values in the media type scrolling list.	n/a
OrderType Select - None	Button	n/a	Optional	De-selects all order type values in the media type scrolling list. The warning message "A selection must be made .." is highlighted until a selection for media type is made.	n/a
OrderType Select List	Scrolling List	n/a	Optional	Clicking on an entry in the list selects it if it is de-selected or de-selects it if it is selected. Any number of entries may be selected.	All Order Types are selected.
User ID	Character	8	Optional	User ID, entered to specify a user ID for filtering.	None
Apply Combined Filters	Button	n/a	Optional	Applies above "Combined" filters to the request list.	n/a

Table 4.8.12-9. Distribution Requests Filter Page Field Descriptions (3 of 3)

Field Name	Data Type	Size	Entry	Description	Default Value
General Buttons					
Set Defaults	Button	n/a	Optional	Sets all filter selections to their default values on the Filters page.	n/a
Apply Defaults	Button	n/a	Optional	Sets all filter selections to their default values on the Filters page and applies these values to the corresponding requests List Page.	n/a
Close Window	Button	n/a	Optional	Closes the Requests Filter window.	n/a

Any attributes that the operator selects/enters will be remembered for the duration of the session and for future sessions when the operator logs in with the same User ID, but only those in the group whose Apply button has been clicked will be used to filter the distribution requests list. There are two categories of filtering attributes -- Individual Filters and Combined Filters. Either of these filter categories can be applied at one time.

To select Individual Filters, the operator enters one of the five fields displayed: Order ID, Request ID, E-Mail, First Name and Last Name. If a value is entered in one of the five fields, the other four fields become disabled. Deleting the entered value or clicking the Clear button reenables all of the Individual Filter fields. Clicking the Apply Individual Filters button applies the entered field entry and reloads the Distribution Requests window with the results.

To select Combined Filters, the operator selects or enters values for the desired attributes. The Creation Date Filters are initially set to: End Time - the current date/time, and Start Time - 24 hours before the current date/time. If initial (default) date/time values are not changed, they will update to the current time whenever they are applied. The operator can change these attributes by clicking on the down triangle, which appears next to the value of each attribute, and then clicking on a value from the drop-down list that is displayed. The drop-down lists show all possible values for month, day, hour and minute. For the year, only the current year and the previous year are shown for selection.

At least one value must be selected for each of Status, MediaType, and OrderType attributes. The selected/entered attributes are “anded” for filtering. This means that only requests having all of the selected attribute values will be displayed. If any of the Status, MediaType, and OrderType attributes is not selected, the warning message “A selection must be made ...” is highlighted and the Apply Combined Filters button is disabled until the required values are selected.

The Status Select, MediaType Select, and OrderType Select lists initially display all possible statuses/media types/order types for a request with all values selected. The operator can click on the **None** button to deselect all entries in a list or **All** button to select all entries again. Also, the

operator can click on an individual status/media type entry in the scrolling list to select or deselect it. If the entry was not selected, it will be selected. If the entry was selected, it will be deselected. Any number (more than 0) or combination of statuses, media types or order types may be selected. To select multiple values from one list, hold down the Ctrl key while clicking on values after the first. To select a range of values from one list, click on the value at the start of the range and then hold down the Shift key while selecting the value at the end of the range.

All Combined Filter attributes will be applied when the operator clicks the Apply Combined Filters button at the lower right corner of the group. The Distribution Requests window will be reloaded filtered by the selected/entered attributes.

The three buttons at the bottom of the window are Set Defaults, Apply Defaults and Close Window.

- **Set Defaults** restores the default values to all filter attributes shown on the filters page to global default values. The distribution requests page is not updated. The operator can make additional changes to the filters before applying them to the distribution requests page by using the “Apply Individual Filters” or “Apply Combined Filters” buttons.
- **Apply Defaults** restores the global default values to all filter attributes on the Filter page, and applies these values to the distribution requests page. The “applied” values will be used in the future until they are changed.
- **Close Window** closes the Request Filters window. It does not affect the Distribution Requests window.

Default global values are:

For Individual Filters, all values are cleared (made empty).

For Combined Filters, Table 4.8.12-10 shows the global default values by page.

Table 4.8.12-10. Global Default Values by Page

Page	Element	Default Value
Distribution Requests	End Time	the current date and time
	Start Time	24 hrs prior to the End Time
	Status	All values are selected.
	Media Type	All values are selected.
	Order Type	All values are selected.
Processing Service Requests	End Time	the current date and time
	Start Time	24 hrs prior to the End Time
	Status	All values are selected.
	Media Type	All values are selected.
FTP Push/ SCP Distribution Requests	End Time	the current date and time
	Start Time	24 hrs prior to the End Time
	Status	All values are selected.
Staging Distribution Requests	End Time	the current date and time
	Start Time	24 hrs prior to the End Time
	Status	All values are selected.
	Media Type	All values are selected.
Historical Distribution Requests	End Time	the current date and time
	Start Time	One(1) month prior to the End Time
	Status	All values are selected.
	Media Type	All values are selected.
	Order Type	All values are selected.
Open Interventions	End Time	the current date and time
	Start Time	One(1) year prior to the End Time
	Media Type	All values are selected.
	Explanation	All values are selected.
	Interv Type	All values are selected.
Open HEG Interventions	End Time	the current date and time
	Start Time	One(1) year prior to the End Time
	Media Type	All values are selected.
	Explanation	All values are selected.
Open Physical Media Interventions	End Time	the current date and time
	Start Time	One(1) year prior to the End Time
	Media Type	All values are selected.
	Explanation	All values are selected.

The ECS ORDER and Destination Detail pages have fixed filters that cannot be changed by the operator. Table 4.8.12-11 shows the filter values used for these pages.

Table 4.8.12-11. Filters for The ECS ORDER and Destination Detail Pages

Page	Element	Default Value
ECS ORDER	End Time	the current date and time
	Start Time	Jan 1 1900
	Status	All statuses
	Media Type	All media types
	OrderId	Current orderId
Destination Detail	End Time	the current date and time
	Start Time	Jan 1 1900
	Status	All statuses
	Destination Node or Name	Current destination

The Distribution Requests Filters window remains open until the operator clicks the Close Window button at the bottom of the window or until its corresponding distribution requests page is replaced by another page.

Sorting

The request list can be sorted by clicking on the column header links **Order Typ, Request ID, Order ID, Destination, Complete, Media, Priority, Request Status, Capacity Class, User ID, Created** and **Last Update** wherever they appear. The default sort column is **Created** (creation date).

Actions

Note: Limited Capability operators are not allowed to execute actions for requests.

The operator can execute the following actions for any request that is eligible for the action by clicking on the button of the action. The action buttons will appear for only actions for which the request is eligible. Table 4.8.12-12 explains the actions and the criteria for a request to be eligible for each action.

If the request processing state is “Cancelling,” “Resuming,” “Resubmitting,” “Stopping,” “Submitted to PDS” or “Granule Canceled,” the processing state will be displayed in the action column and no actions are permitted.

Table 4.8.12-12. Eligibility Criteria for Each Action (1 of 2)

Action	Description	Criteria for Eligibility
Resubmit	Opens a new intervention for the request and loads the "Intervention Detail" page for subsequent action.	The request is in a terminated status (including cancel, abort, aborted and shipped)
Suspend	Suspends the request. The request is suspended, the distribution requests page is reloaded and the highlighted message "Suspending" is displayed in the Action column for the request until the OMS server completes the suspension of the request.	The request is not in a terminated status And is not currently suspended and either, 1. non-failed granules still need to be staged or Ftp pushed and is not a physical media request with status "Transferring", "QC Hold" or "Waiting for Shipment" or 2. is a physical media request with status "Pending Media Prod" and the dispatch mode for its media type is "automatic".
Resume	Resumes the request. A small popup window, "Confirm Resume for Request ID", appears for entry of the Worker name and Reason for Action. When login security is on, the operator's login id is inserted in the Worker name field. When the operator clicks the "Resume" action button, the request is resumed, the distribution requests page is reloaded and the highlighted message "Resuming" is displayed in the Action column for the request until the OMS server completes the resumption of the request.	The request is not in a terminated status And is suspended And was suspended by the operator And an OMS intervention exists <u>Or</u> is a new request and processing of new requests is suspended
Stop	Stops the request. The request is stopped, the distribution requests page is reloaded and the highlighted message "Stopping" is displayed in the Action column for the request until the OMS server completes the stopping of the request.	The request is not in a terminated status And is a physical media request And the Request Status is "Transferring" Or the Request Status is "QC Hold" and at least one volume is "Verifying"

Table 4.8.12-12. Eligibility Criteria for Each Action (2 of 2)

Action	Description	Criteria for Eligibility
Cancel	Cancels the request. A small popup window, "Confirm Cancel for Request ID", appears for entry of the Worker name and Reason for Action. When login security is on, the operator's login id is inserted in the Worker name field. The operator is informed that any physical media volumes that are assigned to devices will be considered dismounted. When the operator clicks the 'Apply "Cancel Action"' button, an action is queued for the Order Manager server to cancel the request. The distribution requests page is reloaded and the highlighted message "Cancelling" is displayed in the Action column for the request until the OMS server finishes cancelling the request. No other action buttons will be shown.	The request is not in a terminated status And is not suspended and has no OMS intervention And is not a physical media request with status "QC Hold" or "Waiting for Shipment"
Inactive	For external processing requests, if the requests is in the terminal state or not under OMS control, the "Inactive" button is displayed which indicates no action for the request with current status.	The request is in a terminated status and is not under OMS control with status "waiting for data"

The OM GUI is designed to present to the operator only those Action buttons for which the request is eligible. However, if an action is not activated for a period of time, the Action may become "stale" if circumstances occur which change the status of the request such that it is no longer eligible for that Action. For example, the request may be canceled by an operator using a different instance of the OM GUI or the request may have terminated normally. In that case, when the operator clicks the Action button, an error message will be displayed by the database procedure which executes the action. After reading the message to understand the cause of the error, the operator may return to the original page (by using the Link provided) and refresh/reload that page to see the currently available actions.

Change Priority

Note: Limited Capability operators are not allowed to change the priority of a request.

The priority of a request can be changed while the request is eligible to have its priority changed. The criteria which determine when a request is eligible to have its priority changed are described in Table 4.8.12-6 The operator can change the priority of a distribution request by clicking on its Priority value and selecting the desired new priority value from the drop-down list. Then the operator must click on the associated **Apply** button. Once the new priority has been applied, the priority cell will display the highlighted message "Priority Changed".

Links

OrderID The operator can view the detailed information for the order to which a distribution request belongs by clicking on its OrderID.

RequestID The operator can view the detailed information for a distribution request by clicking on its Request ID.

UserID The operator can view the detailed information about the user who submitted the order containing the distribution request by clicking on its UserID.

Refresh Control

The operator can also choose to enable/disable auto-refresh by clicking on the corresponding AutoRefresh radio button. The operator can also change the refresh rate by selecting a rate from the pull down list (default 5 minutes).

4.8.12.2.4.3 Distribution Requests Lists – Unique Features

Distribution Requests Page

The following additional option buttons are available on the Distribution Requests page as shown in Figure 4.8.12-17.

- **Bulk Cancel**
 - If there are Physical Media requests that are bulk cancelled the media volumes for these requests will be considered dismounted. The Bulk Cancel pop-up window is shown in Figure 4.8.12-16a.
- **Bulk Resubmit**
 - Select all eligible requests for **Bulk Cancel** or **Resubmit**
 - Select no eligible requests for **Bulk Cancel** or **Resubmit**



Figure 4.8.12-16a. Bulk Cancel Popup

The screenshot shows the Order Manager GUI in a Mozilla Firefox browser window. The address bar shows the URL: http://f4sp101.httc.com:22451 - OM GUI - DEV05 MODE - Mozilla Firefox. The page title is "Order Manager GUI". The date and time are "Tue Jun 24 11:47:33 2008".

The main content area is titled "Distribution Requests". Below this is a "Current Filters" section with the following values:

- Order ID: None
- Request ID: None
- E-Mail: None
- First Name: None
- Last Name: None
- Creation Time: Start: Feb 27 2008 03:45PM End: Jun 24 2008 11:47AM
- Order Type: HEG
- User ID: None
- Parent EP ID:
- Media Type:
- Status: ALL

Below the filters is an "Options" section with buttons for "Change Filter", "Bulk Cancel", and "Bulk Resubmit". There are also checkboxes for "Select All" and "Select None".

The "Listing" section shows a table of distribution requests. The table has the following columns: Sel, Ord Typ, OrderID, Request Size(MB), Gran Cnt, Media, Priority, Request Status, ESDT, UserID, Resub Cnt, Created, Last Update, and Actions. The table contains 6 rows of data.

Sel	Ord Typ	OrderID	Request Size(MB)	Gran Cnt	Media	Priority	Request Status	ESDT	UserID	Resub Cnt	Created	Last Update	Actions
<input type="checkbox"/>	HEG	0400022961 0400023077	19	1	FtpPull	NORMAL	Operator Intervention	MOD29.086	ECSGuest	0	Jun 10 2008 11:49AM	Jun 10 2008 12:30PM	Cancel
<input type="checkbox"/>	HEG	0400022944 0400023060	77	7	FtpPull		Canceled	MULTIPLE	ECSGuest	2	May 6 2008 3:51PM	Jun 10 2008 12:20PM	Resubmit
<input type="checkbox"/>	HEG	0400022943 0400023059	19	1	FtpPull		Canceled	MULTIPLE	ECSGuest	1	May 6 2008 3:47PM	Jun 10 2008 12:19PM	Resubmit
<input type="checkbox"/>	HEG	0400022945 0400023061	39	2	FtpPull		Canceled	MOD29.086	ECSGuest	1	May 6 2008 4:34PM	Jun 10 2008 12:19PM	Resubmit
<input type="checkbox"/>	HEG	0400022930 0400023046	19	1	FtpPull		Canceled	MOD29.086	ECSGuest	1	May 5 2008 5:27PM	Jun 10 2008 12:19PM	Resubmit

At the bottom of the listing section, there is an "AutoRefresh Control Panel" with a refresh rate of 1 minute and a checkbox for "AutoRefresh" which is currently checked.

Figure 4.8.12-17. Distribution Requests List Page

Processing Services Requests

The Processing Services Requests page includes HEG and all external subsetter requests and “Processor” column is going to indicate the processor name. It does not have a filter for media type and order type. It will have processing service filter instead. All the external processing requests do not have any actions (cancel or suspend) while they are under the control of the external system.

http://f4spl01.hitc.com:22451 - OM GUI - DEV05 MODE - Mozilla Firefox

File Edit View History Bookmarks Tools Help

sessionId=omsadmin **Order Manager GUI** Tue Jun 24 11:48:22 2008

Processing Service Requests

Current Filters
 Order ID: None Request ID: None E-Mail: None First Name: None Last Name: None
 Creation Time: Start: Jun 23 2007 11:48AM End: Jun 24 2008 11:48AM User ID: None

Options
 Change Filter

Listing
 Go directly to row of 62 rows Show 5 rows at a time.
 first | previous | Showing 44 - 45 of 62 | next | last

OrderID RequestID	Processor	Request Size(MB)	Gran Cnt	Media	Priority	Request Status	ESDT	UserID	Resub Cnt	Created	Last Update	Actions
0400022925 0400023041	HEG	0	1	FtpPush		Canceled	MOD29.086	ECSGuest	5	May 6 2008 5:33PM	May 7 2008 12:24PM	Resubmit
0400022933 0400023049	HEG	0	1	FtpPush		Shipped	MOD29.086	ECSGuest	0	May 6 2008 1:57PM	May 6 2008 1:58PM	Resubmit
0400022930 0400023046	HEG	0	1	FtpPull		Canceled	MOD29.086	ECSGuest	1	May 5 2008 5:28PM	Jun 10 2008 12:20PM	Resubmit
0400022929 0400023045	HEG	0	3	FtpPull		Shipped	MOD29.086	ECSGuest	0	May 5 2008 3:31PM	May 5 2008 3:33PM	Resubmit
0400022927 0400023043	HEG	0	1	FtpPush		Shipped	MOD29.086	ECSGuest	0	May 5 2008 3:26PM	May 5 2008 3:44PM	Resubmit

first | previous | Showing 44 - 45 of 62 | next | last

AutoRefresh Control Panel [OFF]
 Refresh screen every 5 minutes
 AutoRefresh: on off

Need help with the Order Manager? Click on a Question Mark to get context-sensitive Help!

Done

Figure 4.8.12-18a. Processing Services Requests Page

Figure 4.8.12-18a displays the similar filter and sort capabilities for the external processing requests as for the general list of distribution requests except for the “Inactive” action button.

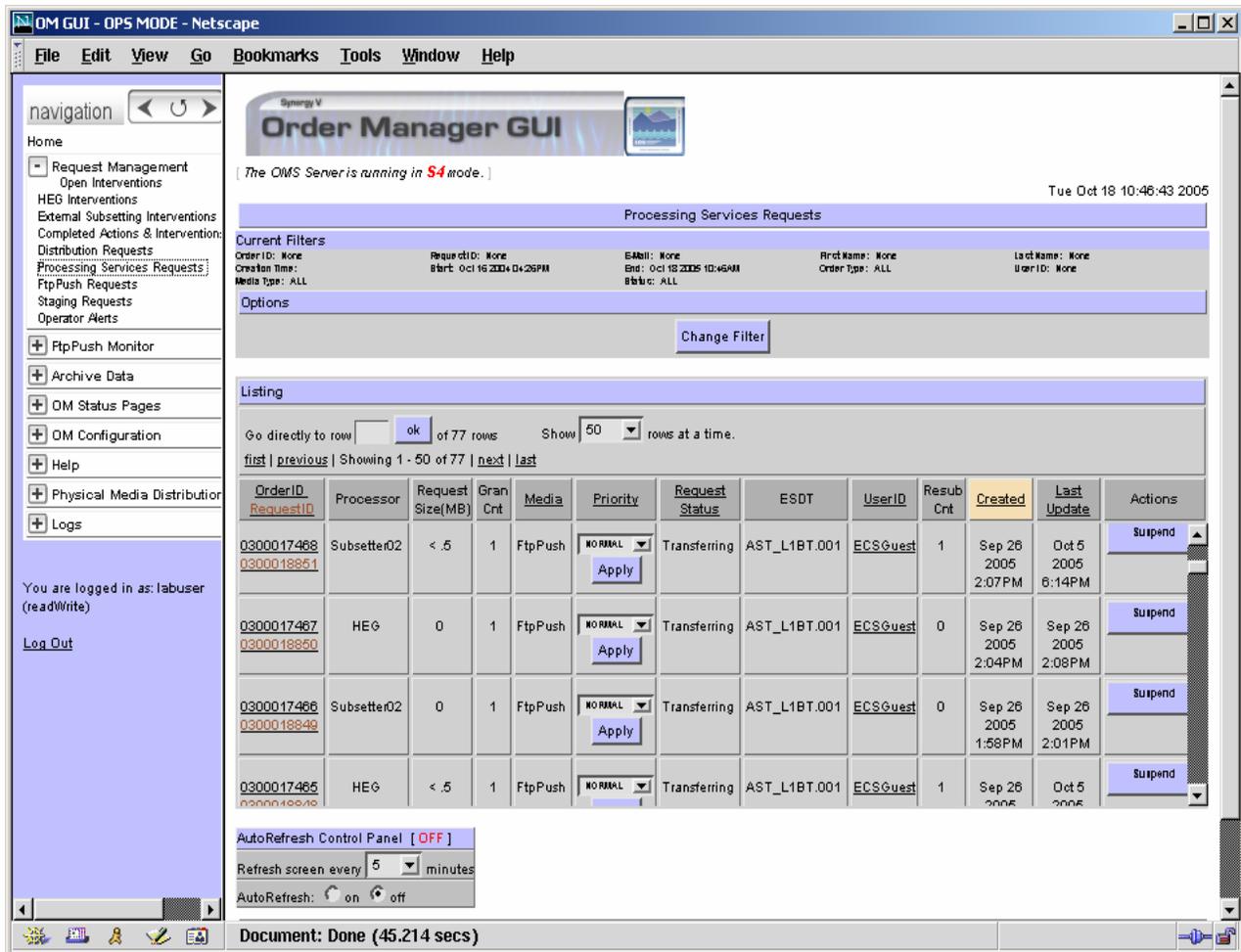


Figure 4.8.12-18b. Processing Services Requests Page

Figure 4.8.12-18b shows OMS GUI allows operator to cancel or suspend the external processing requests while those requests are under OMS control.

Processing Services Requests Filters

sessionId=omsadmin

Processing Service Requests Filters

Individual Filters

Enter only one of the individual filters

Order ID

Request ID

E-Mail

First Name

Last Name

Clear

Combined Filters

Request Creation Date Filters

Start Time Month Day Year Hour Min
06 23 2007 11 48

End Time Month Day Year Hour Min
06 25 2008 11 32

Status Select
All None

- Abort
- Aborted
- Active
- Being processed
- Canceled

MediaType Select
All None

- FtpPull
- FtpPush

ProcessService Select
All None

- HEG
- OTHER

User ID

Parent EP Request ID

Done

Figure 4.8.12-19. Processing Services Requests Filters Popup

Figure 4.8.12-19 shows the operator can filter any selected external processing service or HEG.

FtpPush/SCP Requests

For each request in the list, values for destination, completion status and resource class are shown. The operator can sort the list by completion status, media and resource class by clicking on the corresponding column headings as shown in Figure 4.8.12-20.

The screenshot shows the 'Order Manager GUI' interface. The browser address bar indicates the URL: `http://f4spl01.hitc.com:22451 - OM GUI - DEV05 MODE - Mozilla Firefox`. The session ID is `omsadmin` and the time is `Tue Jun 24 11:49:11 2008`.

The main content area is titled 'FtpPush / SCP Distribution Requests'. It includes a 'Current Filters' section with the following values:

- Order ID: None
- Request ID: None
- E-Mail: None
- First Name: None
- Last Name: None
- Creation Time: Start: Jun 23 2008 11:49AM, End: Jun 24 2008 11:49AM
- Media Type: ALL
- Status: ALL

Below the filters is a 'Listing' section with a table of requests. The table has the following columns: Ord Typ, OrderID, Destination, Request, Gran Cnt, Media, Priority, Request Status, Resource Class, ESDT, UserID, Resub Cnt, Created, and Last Update.

Ord Typ	OrderID	Destination	Request	Gran Cnt	Media	Priority	Request Status	Resource Class	ESDT	UserID	Resub Cnt	Created	Last Update
Regular	0400022963 0400023079	OTHER test	19 0	2 0	FtpPush	NORMAL	Operator Intervention	C	MULTIPLE	EcsGuestTest2	0	Jun 23 2008 12:14PM	Jun 23 2008 1:57PM
Regular	0400022964 0400023080	OTHER test	19 0	2 0	FtpPush	NORMAL	Operator Intervention	C	MULTIPLE	EcsGuestTest2	0	Jun 23 2008 12:14PM	Jun 23 2008 6:01PM
Regular	0400022965 0400023081	OTHER test	19 0	2 0	FtpPush	NORMAL	Operator Intervention	C	MULTIPLE	EcsGuestTest2	0	Jun 23 2008 12:15PM	Jun 23 2008 3:59PM
Regular	0400022966 0400023082	OTHER test	19 0	2 0	FtpPush	NORMAL	Operator Intervention	C	MULTIPLE	EcsGuestTest2	0	Jun 23 2008 12:15PM	Jun 23 2008 8:03PM
Regular	0400022967 0400023083	OTHER test	19 0	2 0	FtpPush	NORMAL	Operator Intervention	C	MULTIPLE	EcsGuestTest2	0	Jun 23 2008 12:15PM	Jun 23 2008 10:05PM

At the bottom of the page, there is an 'AutoRefresh Control Panel' with a dropdown menu set to '5 minutes' and a status indicator '[OFF]'. The footer of the browser shows the URL: `http://f4spl01.hitc.com:22451/cgi-bin/EcOmGuiDistributionRequests.pl?sessionId=omsadmin&pagel=FtpScpRequests`.

Figure 4.8.12-20. FtpPush/SCP Distribution Requests Page

Staging Requests

The Staging Requests page, shown in Figure 4.8.12-21, displays the completion status and resource class for each request in the list. The operator can sort the list by completion status or resource class by clicking on the corresponding column headings.

The screenshot shows the 'Order Manager GUI' interface. The browser address bar indicates the URL: `http://f4spl01.hitc.com:22451 - OM GUI - DEV05 MODE - Mozilla Firefox`. The page title is 'Staging Distribution Requests' and the date is 'Tue Jun 24 11:58:01 2008'. The session ID is 'omsadmin'.

Current Filters:

- Order ID: None
- Request ID: None
- E-Mail: None
- First Name: None
- Last Name: None
- Creation Time: Start: Jun 23 2007 11:57AM, End: Jun 24 2008 11:58AM
- Order Type: ALL
- User ID: None
- Media Type: (empty)
- Status: ALL

Options: Change Filter

Listing: Go directly to row of 13989 rows. Show 5 rows at a time.

Ord Typ	OrderID RequestID	Request Size(MB)	Gran Cnt Staging Complete	Media	Priority	Request Status	Resource Class	ESDT	UserID	Resub Cnt	Created	Last Update	Actions
Regular	0400009310 0400009420	44	4 0	CDROM	NORMAL Apply	Operator Intervention	C	MOD29.086	ECSGuest	0	Jul 17 2007 12:24PM	Jul 17 2007 12:58PM	Cancel
Regular	0400009309 0400009419	44	4 4	CDROM	NORMAL Apply	Operator Intervention	C	MOD29.086	ECSGuest	0	Jul 17 2007 11:30AM	Jul 17 2007 11:32AM	Cancel
Regular	0400009106 0400009216	44	4 4	CDROM	NORMAL Apply	Operator Intervention	C	MOD29.086	ECSGuest	1	Jul 13 2007 12:28PM	Jul 16 2007 10:16AM	Cancel
Regular	0400009105 0400009215	44	4 4	CDROM	NORMAL Apply	Operator Intervention	C	MOD29.086	ECSGuest	0	Jul 13 2007 12:24PM	Jul 16 2007 10:16AM	Cancel
Regular	0400009104 0400009214	44	4 4	CDROM	NORMAL Apply	Operator Intervention	C	MOD29.086	ECSGuest	0	Jul 13 2007 12:23PM	Jul 16 2007 10:16AM	Cancel

first | previous | Showing 1 - 5 of 13989 | next | last

AutoRefresh Control Panel [OFF]
Refresh screen every 5 minutes
AutoRefresh: on off

Figure 4.8.12-21. Staging Requests List Page

Historical Requests

The Historical Requests page, shown in Figure 4.8.12-22, does not allow any operator actions. Therefore, the Priority and Actions columns are not displayed.

sessionId: omsadmin Tue Jun 24 12:04:32 2008

Historical Distribution Requests

Current Filters

Order ID: None Request ID: None E-Mail: None First Name: None Last Name: None
 Creation Time: Start: Jan 1 2007 00:00 End: Jun 24 2008 12:04PM Order Type: ALL User ID: None

Status: ALL

Options Change Filter

Listing

Go directly to row: of 49 rows Show rows at a time.

[first](#) | [previous](#) | Showing 1 - 5 of 49 | [next](#) | [last](#)

Ord Typ	OrderID <small>RequestID</small>	Request Size(MB)	Gran Cnt	Media	Request Status	ESDT	UserID	Resub Cnt	Created	Last Update
Regular	0600110282 <small>0600110605</small>	61	2	FtpPush	Operator Intervention	MOD13A2.004	ECSGuest	0	May 18 2007 6:28PM	May 18 2007 6:29PM
Regular	0600110281 <small>0600110604</small>	30	1	FtpPull	Operator Intervention	MOD13A2.004	ECSGuest	0	May 18 2007 6:28PM	May 18 2007 6:29PM
Regular	0600110280 <small>0600110603</small>	61	2	FtpPush	Shipped	MOD13A2.004	ECSGuest	0	May 18 2007 5:49PM	May 18 2007 5:49PM
Regular	0600110279 <small>0600110602</small>	30	1	FtpPull	Shipped	MOD13A2.004	ECSGuest	0	May 18 2007 5:48PM	May 18 2007 5:49PM
Regular	0600110278 <small>0600110601</small>	30	1	FtpPull	Shipped	MOD13A2.004	ECSGuest	0	May 18 2007 5:33PM	May 18 2007 5:33PM

[first](#) | [previous](#) | Showing 1 - 5 of 49 | [next](#) | [last](#)

AutoRefresh Control Panel [OFF]
 Refresh screen every minutes
 AutoRefresh: on off

Need help with the Order Manager? Click on a Question Mark to get context-sensitive Help!

Done

Figure 4.8.12-22. Historical Requests List Page

Historical Processing Requests

The Historical Processing Requests page, shown in Figure 4.8.12-23, allows the operator to search for and display archived external processing requests.

The screenshot shows the Order Manager GUI in a Mozilla Firefox browser window. The address bar displays the URL: `http://f4sp101.hitc.com:22491 - OM GUI - DEV09 MODE - Mozilla Firefox`. The page title is "Order Manager GUI".

Navigation Sidebar:

- Home
- Request Management
- Destination Monitor
- Archive Data
 - Historical Distribution Requests [filter]
 - Historical Processing Requests [filter]
- OM Status Pages
- OM Configuration
- Help
- Physical Media Distribution
- View Order Status
- Logs

Main Content Area:

sessionId=omsadmin Tue Jun 24 12:09:36 2008

Historical Processing Requests

Current Filters:

Order ID: None Request ID: None E-Mail: None First Name: None Last Name: None
 Creation Time: Start: Jan 1 2007 00:00 End: Jun 24 2008 12:09PM User ID: None

Options: [Change Filter](#)

Listing:

Go directly to row: of 69 rows Show rows at a time.

first | previous | Showing 1 - 5 of 69 | next | last

OrderID RequestID	Processor	Request Size(MB)	Gran Cnt	Media	Request Status	ESDT	UserID	Resub Cnt	Created	Last Update
2000013570 2000013926	HEG	< .5	1	FtpPull	Canceled	MOD10A1.005	ECSGuest	7	Nov 14 2007 10:44AM	Jan 11 2008 11:21AM
2000013569 2000013925	HEG	< .5	2	FtpPull	Shipped	MOD10A1.005	ECSGuest	0	Nov 14 2007 10:39AM	Nov 14 2007 10:40AM
2000013568 2000013924	HEG	< .5	1	FtpPull	Canceled	MOD10A1.005	ECSGuest	6	Nov 14 2007 10:19AM	Nov 15 2007 9:45AM
2000013481 2000013837	HEG	19	1	FtpPush	Shipped	MOD29.086	ECSGuest	1	Sep 20 2007 10:48AM	Sep 20 2007 10:51AM
2000013480 2000013836	HEG	11	1	FtpPull	Shipped	MOD29.086	ECSGuest	0	Sep 20 2007 10:44AM	Sep 20 2007 10:45AM

first | previous | Showing 1 - 5 of 69 | next | last

AutoRefresh Control Panel [OFF]
 Refresh screen every minutes
 AutoRefresh: on off

Need help with the Order Manager? Click on a Question Mark to get context-sensitive Help!

Figure 4.8.12-23. Historical Processing Requests Page

Historical Processing Requests Filter

sessionId=omsadmin

Historical Processing Requests Filters

Individual Filters

Enter only one of the individual filters

Order ID Request ID E-Mail

First Name Last Name

Combined Filters

Request Creation Date Filters

Start Time Month Day Year Hour Min
01 01 2007 00 00

End Time Month Day Year Hour Min
06 24 2008 15 13

Status Select

Abort
Aborted
Active
Being processed
Canceled

MediaType Select

FtpPull
FtpPush

ProcessService Select

HEG

User ID Parent EP Request ID

Done

Figure 4.8.12-24. Historical Processing Requests Filter Popup

Figure 4.8.12-24 shows the historical requests filter popup window, which the operator can use to filter the list of historical external processing services and HEG requests, based on various criteria.

4.8.12.2.4.4 Distribution Request Details Page

The operator can click the request ID in any **Distribution Requests, Open Intervention, Order, Physical Media Device Configuration, Media Creation Consoles, or Completed Operator Actions and Interventions** page to display the detailed information for a request, as shown in Figures 4.8.12-25 and 4.8.12-25a. Figures 4.8.12-26a and 4.8.12-26b display distribution request details screens for non-physical media requests

For all requests, the operator can perform the following functions:

- Click the **UserId** link to view the user profile for that user or click on the **OrderId** link to view the ECS order page.
- Change the priority of certain requests. **For a complete description of this feature see Section 4.8.12.2.4.2 Distribution Requests Lists – Common Features. Note:** Limited Capability operators cannot change the priority of a request.
- For Ftp Push requests, Edit FtpPush Parameters by clicking on the corresponding button. This causes the Edit FtpPush Parameters page to be displayed. Table 4.8.12-13 provides field descriptions for the entry of these values. **Note:** This feature is disabled for Limited Capability *operators*. The operator can also click Destination/Host Name to view the Destination Detail page.
- Perform actions for which the request is eligible. See Section 4.8.12.2.4.2 **Distribution Requests Lists – Common Features** for a description of actions and the types of requests they apply to.
- Scan through the granule list by clicking on navigation links. These links permit jumping to the **first, next, previous** or **last** block. The number of granules displayed in the table can be changed by selecting a value from the “Show *n* rows at a time” drop-down list. If the Distribution Request information at the top of the page indicates that the request is associated with a bundling order, the Granule List at the bottom reflects the contents of the current bundle.
- Annotate the request
- Change any mailing, shipping address, or billing address field

For physical media requests, the operator can also perform the following functions:

- Stop the media creation for the volume currently processing
- Retry failed volumes. When a volume fails media creation or verification it is possible to retry the failed volume by dispositioning the resulting operator intervention. However, the ‘Retry’ option on the Distribution Request Details page allows the operator to take action before the request reaches operator intervention. If a volume fails during media creation the Retry option allows the operator to immediately retry creation for tape media. For CD/DVD media the operator must still use the intervention details page to recreate media. When a volume fails media verification the ‘Retry’ allows the operator to immediately retry verification for all media types.

- View the list of volumes to be/being created
- View the list of granules for a given volume
- View the list of failed granules for the request

The screenshot displays the Order Manager GUI interface. At the top, the browser address bar shows the URL: `http://f4oml01.hitc.com:22411 - OM GUI - DEV01 MODE - Mozilla Firefox`. The page title is "Order Manager GUI" and the session ID is "omsadmin". The date and time are "Tue Jun 24 12:30:28 2008".

The main content area is titled "DISTRIBUTION REQUEST 0600110509". It contains a table with the following details:

Userid	ECSGuest	Orderid	0600110186
E-mail	Hung_Dinh@Raytheon.com	Order Type	Regular
Request Size (MB)	1	Ext. RequestId	Not available
# Granules	3	Priority	XPRESS <input type="button" value="Apply"/>
# Granules Staged	3	Request Status	Operator Intervention
Receive Date/Time	Jan 16 2007 11:13AM	Resubmit Count	4
Start Date/Time	Jan 16 2007 11:13AM	Media Type	CDROM
Metadata Format	XML	Resource Class	C
Last Update	Jun 21 2007 3:43PM	Actions	<input type="button" value="Cancel"/>
End Date/Time	Not available	User String	DLT for practice - Syn IV
Due Date	Jan 22 2007 10:22PM		

Below the details table is a "Volume List" section with a table:

Volume Name	Status	Action	Explanation	Production Module	Production Device
VCL001 3 granules...	CREATED			GENERICOUT	LuminexCDandDVD

There is a "Request Notes" section with a text input field containing "1817 characters of 2040 maximum" and an "Apply" button. Below this is a scrollable area with the following text:

[Activate Request] Date Closed: Jan 19 2007 6:20PM Worked By: N/A
 Outcome: Request Activated OperatorNotes: [None]
 [Media Creation Error] Date Closed: Jan 19 2007 6:22PM Worked By:
 labuser Outcome: Retrv Media Creation all OperatorNotes: [None]

At the bottom, there is a table for contact information:

	MAILING ADDRESS	SHIPPING ADDRESS	BILLING ADDRESS
Title	Mr.	Mr.	Mr.
First Name	Hung	Hung	Hung
Middle Initial			
Last Name	Dinh	Dinh	Dinh
Email	Hung_1_Dinh-Test@Raytheon.com	Hung_Dinh@Raytheon.com	
Organization	ECS	ECS	ECS
Address	1616 McCormick Drive	1616 McCormick Drive	1616 McCormick Drive

Figure 4.8.12-25. Distribution Request Details Page for Physical Media Requests (1 of 2)

http://f4oml01.hitc.com:22411 - OM GUI - DEV01 MODE - Mozilla Firefox

File Edit View History Bookmarks Tools Help

navigation: Home

Request Management

- Open Interventions
- HEG Interventions
- Completed Actions & Interventions
- Distribution Requests [filter]
- Processing Service Requests [filter]
- FtpPush/SCP Requests [filter]
- Staging Requests [filter]
- Operator Alerts

Destination Monitor

Archive Data

OM Status Pages

OM Configuration

Help

Physical Media Distribution

View Order Status

Logs

You are logged in as: omsadmin (readWrite)

Log Out

Done

Volume List

Volume Name	Status	Action	Explanation	Production Module	Production Device
VOL001 3 granules...	CREATED			GENERICOUT	LuminexCDandDVD

Request Notes

1817 characters of 2040 maximum

[Activate Request] Date Closed: Jan 19 2007 6:20PM Worked By: N/A
 Outcome: Request Activated OperatorNotes: [None]
 [Media Creation Error] Date Closed: Jan 19 2007 6:22PM Worked By:
 labuser Outcome: Retrv Media Creation all OperatorNotes: [None]

	MAILING ADDRESS	SHIPPING ADDRESS	BILLING ADDRESS
Title	Mr.	Mr.	Mr.
First Name	Hung	Hung	Hung
Middle Initial			
Last Name	Dinh	Dinh	Dinh
Email	Hung_1_Dinh-Test@Raytheon.com	Hung_Dinh@Raytheon.com	
Organization	ECS	ECS	ECS
Address	1616 McCormick Drive	1616 McCormick Drive	1616 McCormick Drive
City	Landover	Landover	Landover
State/Province	MD	MD	MD
Country	UNITED STATES	UNITED STATES	UNITED STATES
Zip/Postal Code	20774	22222	22222
Telephone	301-925-0802	301-925-0802	301-925-0802
Fax	301-925-0651	301-925-0651	301-925-0651

Failed Granules

Go directly to row of 0 rows Show rows at a time.

Warning: no rows to navigate!

[first](#) | [previous](#) | Showing 0 - 0 of 0 | [next](#) | [last](#)

DBID	ESDT Type	Size (MB)	Status	Explanation
first previous Showing 0 - 0 of 0 next last				

Need help with the Order Manager? Click on a Question Mark to get context-sensitive Help!

Figure 4.8.12-25a. Distribution Request Details Page for Physical Media Requests (2 of 2)

http://f4spl01.hitc.com:22451 - OM GUI - DEV05 MODE - Mozilla Firefox

File Edit View History Bookmarks Tools Help

sessionId=omsadmin **Order Manager GUI** Wed Jun 25 15:41:55 2008

DISTRIBUTION REQUEST 0400008927

Userid	ECSGuest	Orderid	0400008917
E-mail	doug_newman@raytheon.com	Order Type	Regular
Request Size (MB)	5	Ext. RequestId	Request 100-350.1
# Granules	3	Priority	HIGH <input type="button" value="Apply"/>
# Granules Staged	0	Request Status	Operator Intervention
# Granules Ftp Pushed	0	<input type="button" value="Edit FtpPush Parameters"/>	
Destination	OTHER (Suspended)	Host Name	f4oml01
Receive Date/Time	Feb 19 2007 12:08PM	Resubmit Count	0
Start Date/Time	Feb 20 2007 4:41PM	Media Type	FtpPush
Metadata Format	XML	Resource Class	C
Last Update	Feb 20 2007 4:41PM	Actions	<input type="button" value="Cancel"/>
End Date/Time	Not available		

Request Notes

349 characters of 2040 maximum

[Operator Intervention] Date Closed: Feb 20 2007 4:22PM Worked By: ghh
 Outcome: Submit OperatorNotes: DBID: 11768 changed to: 14197
 [Operator Intervention] Date Closed: Feb 20 2007 4:40PM Worked By: cc
 Outcome: Submit OperatorNotes: DBID: 14197 changed to: 10917

	MAILING ADDRESS	SHIPPING ADDRESS	BILLING ADDRESS
Title			
First Name	Douglas	Douglas	Douglas
Middle Initial			
Last Name	Newman	Newman	Newman
Email	doug_newman@raytheon.com	doug_newman@raytheon.com	doug_newman@raytheon.com
Organization	little	little	little
Address	1616 McCormick Drive	1616 McCormick Drive	1616 McCormick Drive
	3rd Floor	3rd Floor	3rd Floor
	Room 2023	Room 2023	Room 2023
City	Upper Marlboro	Upper Marlboro	Upper Marlboro
State/Province	MD	MD	MD
Country	USA	USA	USA

Done

Figure 4.8.12-26a. Distribution Request Details Page for Non-Physical Media Request (1 of 2)

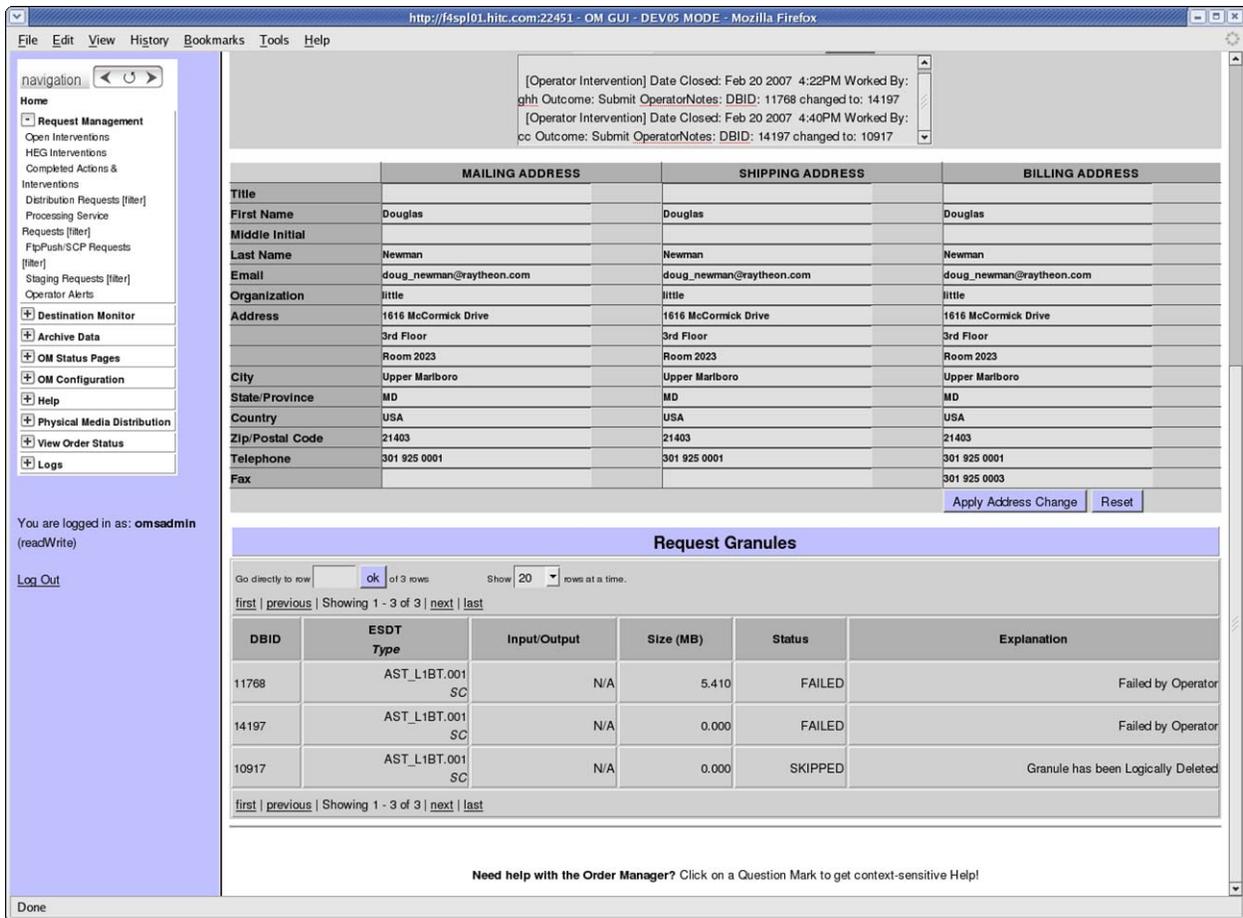


Figure 4.8.12-26b. Distribution Request Details Page for Non-Physical Media Request (2 of 2)

4.8.12.2.4.5 Edit FtpPush Parameters Page

Note: This page is not accessible to Limited Capability operators.

The Edit FtpPush Parameters Page displays a list of FTP Push parameters which can be edited by the operator. The operator can enter or change the value of any of the parameters displayed. The operator then clicks on one of the buttons at the bottom of the page. Button actions are:

- Change This Request – changes the FtpPush Parameters for the request listed and returns to the Request Detail Page.
- Change All Requests - changes the FtpPush Parameters for all requests for the destination listed and returns to the Request Detail Page.
- Cancel – cancels all changes to FtpPush Parameters and returns to the Request Detail FtpPush Page.

Figure 4.8.12-27 shows the Edit FtpPush Parameters Page. Table 4.8.12-13 provides the descriptions of the fields on the Edit FtpPush Parameters Page.

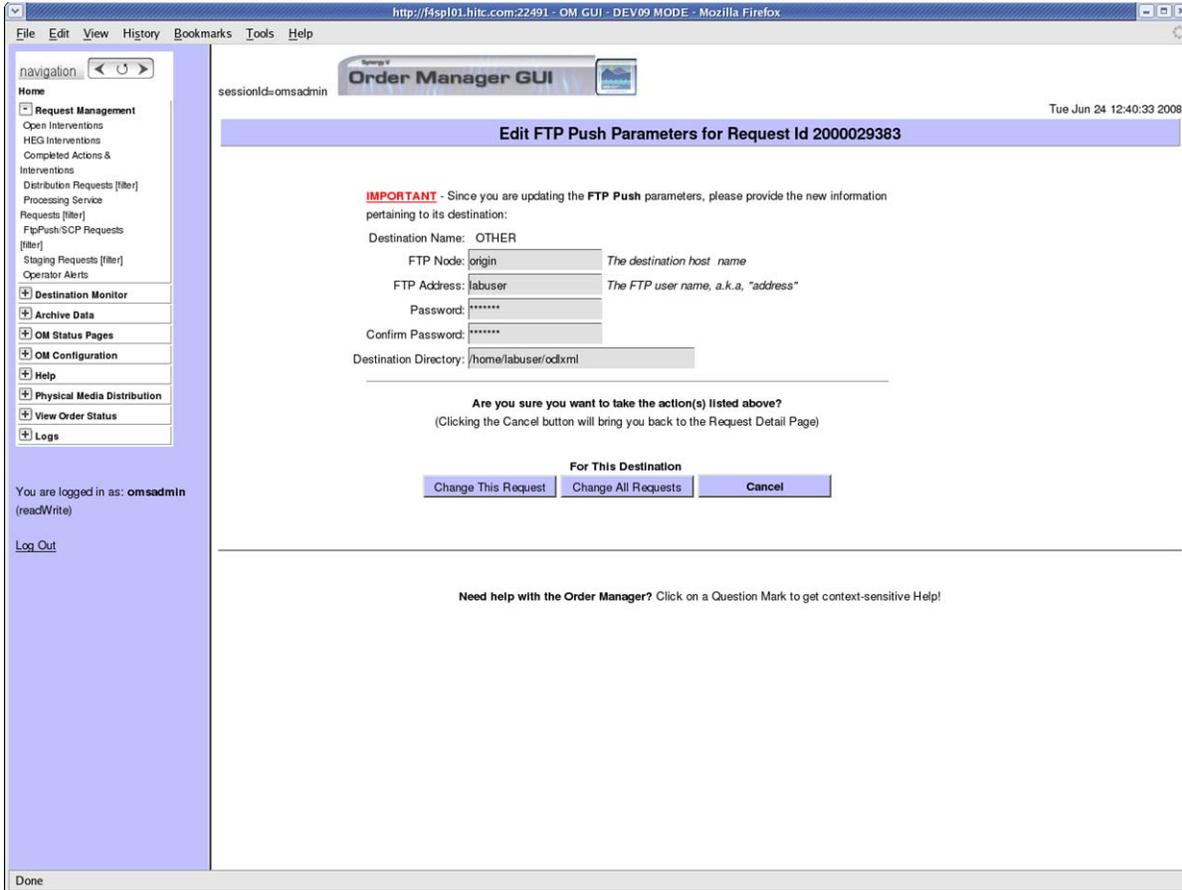


Figure 4.8.12-27. Edit FtpPush Parameters Page

Table 4.8.12-13. Field Descriptions for Edit FtpPush Parameters Page

Field Name	Data Type	Size	Entry	Description
FTP Node	Varchar	20	Required	The Unix hostname of the FTP recipient
FTP Address	Varchar	14	Required	The Unix login ID of the FTP recipient
Password	Varchar	15	Required	The Unix password for the FTP recipient
Confirm Password	Varchar	15	Required	The Unix password verification for the FTP recipient
User String	Varchar	255	Optional	String to be inserted into the FTP parameters
Destination Directory	Varchar	255	Required	The pathname of the Unix directory where the acquired files are to be stored

4.8.12.2.4.5 Edit SCP Parameters Page

Note: This page is not accessible to Limited Capability operators.

- The Edit SCP Parameters Page displays a list of SCP parameters which can be edited by the operator. The operator can enter or change the value of any of the parameters displayed.

Figure 4.8.12-28 shows the Edit SCP Parameters Page. Table 4.8.12-14 provides the descriptions of the fields on the Edit SCP Parameters Page.

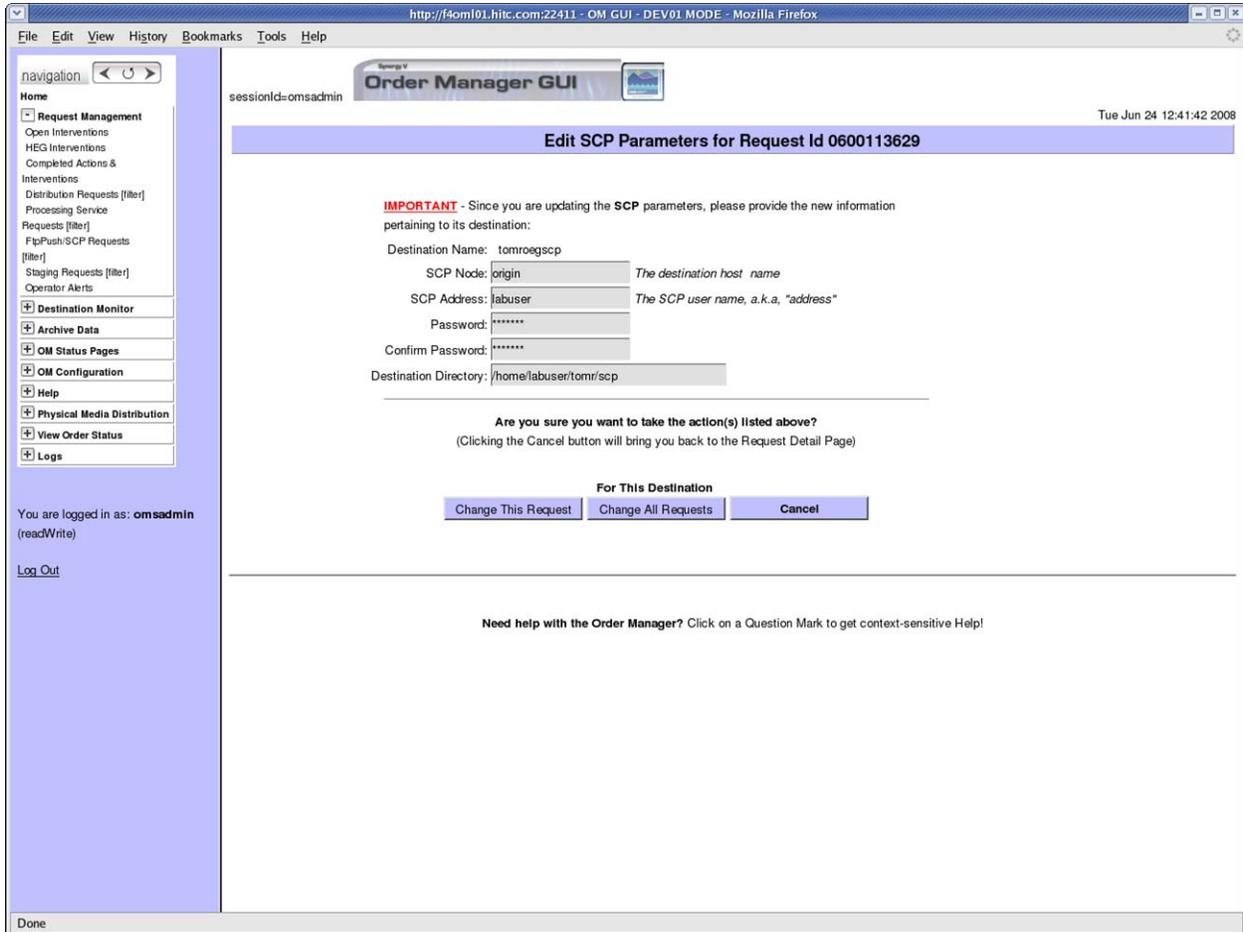


Figure 4.8.12-28. Edit SCP Parameters Page

Table 4.8.12-14. Field Descriptions for Edit SCP Parameters Page

Field Name	Data Type	Size	Entry	Description
Host Address	Varchar	20	Required	The Unix hostname of the SCP recipient
SCP user	Varchar	14	Required	The Unix login ID of the SCP recipient
Password	Varchar	15	Required	The Unix password for the SCP recipient
Confirm Password	Varchar	15	Required	The Unix password verification for the SCP recipient
Destination Directory	Varchar	255	Required	The pathname of the Unix directory where the acquired files are to be stored

4.8.12.2.4.6 ECS Order Page

Note: Limited Capability operators are limited to viewing the details of an ECS Order. They cannot change the priority of or take actions for Requests.

The operator can click on the **Order ID** link in the Distribution Requests list page (Figure 4.8.12-17) or the Distribution Request details page (Figure 4.8.12-25) to open the **ECS Order** detailed information page, as illustrated in Figure 4.8.12-29. If the order is a bundling order, the operator can click the **Spatial Subscription Server** link to go to the Spatial Subscription Server Web page to view and update the Bundling Order as illustrated in Figure 4.8.12-30. The operator can click a **Request ID** to go to **Distribution Request** details page for that request or click the User ID to go to the **User Profile** page (see Figure 4.8.12-31).

http://f4oml01.hitc.com:22411 - OM GUI - DEV01 MODE - Mozilla Firefox

File Edit View History Bookmarks Tools Help

navigation. < >

Home

- Request Management
 - Open Interventions
 - HEG Interventions
 - Completed Actions & Interventions
 - Distribution Requests [filter]
 - Processing Service Requests [filter]
 - FtpPush/SCP Requests [filter]
 - Staging Requests [filter]
 - Operator Alerts
- Destination Monitor
- Archive Data
- OM Status Pages
- OM Configuration
- Help
- Physical Media Distribution
- View Order Status
- Logs

You are logged in as: **omsadmin**
(readWrite)

[Log Out](#)

sessionId=omsadmin

Order Manager GUI

Tue Jun 24 12:44:16 2008

ECS ORDER 0600113320

Request ID:	0600113643		
Order Type:	Regular	Start Date:	Not available
Order Source:	OmsRcliDriver	User ID:	ECSGuest
Ext. RequestId	Not available	Status:	Canceled
Receive Date:	May 30 2008 4:24PM	Ship Date:	Not available
Last Update:	Jun 9 2008 3:56PM	Order Home DAAC:	LAR
Description:	Not available		

Need help with the Order Manager? Click on a Question Mark to get context-sensitive Help!

Done

Figure 4.8.12-29. ECS Order Information Page

The screenshot shows the Order Manager GUI in Netscape. The main content area is titled "ECS ORDER 0300002287". It contains a form with the following fields:

- Request ID: 0300002822
- Order Type: BO
- Start Date: Not available
- Bundling Order ID: 0300002287
- Order Source: SSS
- User ID: labuser
- Ext. RequestID: Not available
- Status: Expired
- Receive Date: Sep 16 2004 4:15PM
- Ship Date: Not available
- Last Update: Jan 10 2005 12:06PM
- Order Home DAAC: EDC
- Description: Not available

Below the form is a "Listing" section with a table of requests:

Ord Type	OrderID	Request Size(MB)	Gran Cnt	Media	Priority	Request Status	ESDT	UserID	Resub Cnt	Created	Last Update	Actions
Regular	0300002439 0300002722	13	4	CDROM	LOW	Operator Intervention	MOD05_L2.004	labuser	0	Sep 22 2004 12:17PM	Oct 29 2004 9:18AM	Cancel
Regular	0300002338 0300002877	20	6	CDROM	XPRESS	Operator Intervention	MOD05_L2.004	labuser	0	Sep 16 2004 4:15PM	Sep 30 2004 3:21PM	Cancel

At the bottom of the page, there is an "AutoRefresh Control Panel" with a dropdown set to "5" minutes and a radio button for "off". A footer message reads: "Need help with the Order Manager? Click on a Question Mark to get context-sensitive Help!"

Figure 4.8.12-30. ECS Order Information Page for Bundling Order

4.8.12.2.4.7 User Profile Page

The operator can click on the **User ID** link in the **Distribution Request** details page or the **ECS Order** details page to view the detailed information for a particular user in a **User Profile** page as shown in Figure 4.8.12-30. This page displays personal information, account information, various address information, and other data on the user.

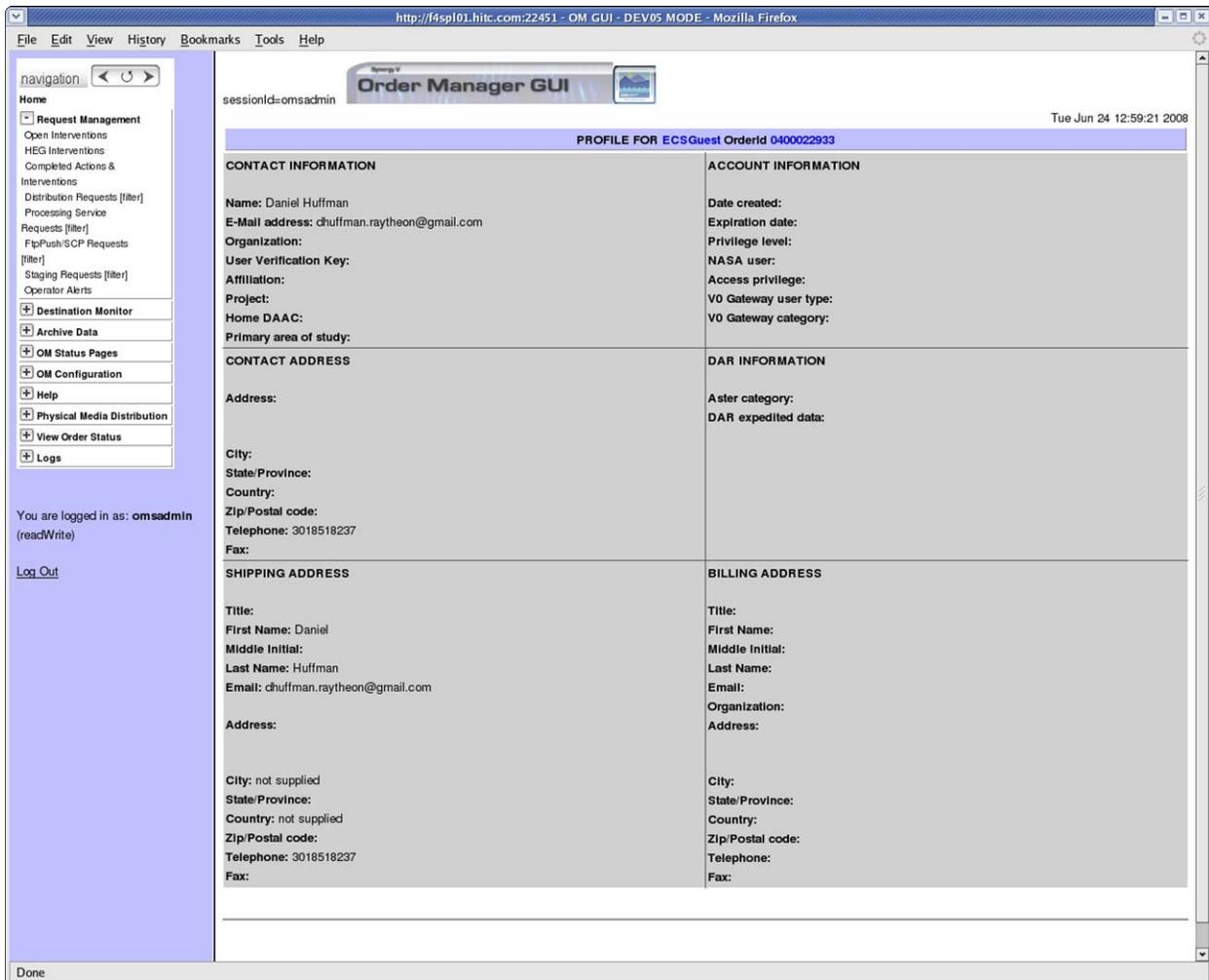


Figure 4.8.12-31. User Profile Page

4.8.12.3 Destination Monitor

4.8.12.3.1 Suspended Distribution Destinations Page

Note: Limited Capability operators cannot take any actions on this page.

The Distribution Destinations Displays a list of suspended FTP Push / SCP Destinations as shown in Figure 4.8.12-32. The operator can see details for a destination by clicking the name of the destination (for a configured destination) or the hostname (for a non-configured destination) to be viewed. This displays the Ftp Push / SCP Monitor – Destination Details page described in Section 4.8.12.3.2 FTP Push / SCP Destinations Detail Page.

The operator can resume dispatching to a destination by clicking its **Resume** button.

The Active Destinations section allows the operator to enter either a Destination Name or Host Name and either suspend / resume the destination or see the Destination Monitor by clicking the Destination Name – Destination Details page for the destination.

The screenshot shows the Order Manager GUI interface. The browser address bar indicates the URL: http://f4spl01.hitc.com:22451 - OM GUI - DEV05 MODE - Mozilla Firefox. The page title is "Order Manager GUI". The session ID is "omsadmin" and the date/time is "Tue Jun 24 13:00:15 2008".

The main content area is titled "Suspended Destinations Monitor" and contains the following table:

Media Type	Destination Name	Host Name	Time of Suspension	Granules Queued Count	Granules Queued Size MB	Suspend Reason	Resume
FtpPush	OTHER	test	Jun 23 2008 12:16PM	10	97	Invalid Host Address	Resume
FtpPush	OTHER	n0ess01	Feb 21 2008 10:54AM	22	426	Invalid Host Address	Resume
FtpPush	OTHER	origin1	Jul 30 2007 11:21AM	0	0	Invalid Host Address	Resume
FtpPush	OTHER	f2acg01.hitc.com	Jul 25 2007 2:04PM	0	0	Ftp Login Errors	Resume
FtpPush	OTHER	f4oml01	Jan 10 2008 5:48PM	5	63	FtpPush Host not reachable	Resume
FtpPush	pushArea	origin	Nov 9 2007 10:52AM	0	0	Destination suspended by Operator	Resume
scp	KatiesSCP	f3acg01	Aug 29 2007 3:00PM	0	0	scp Destination directory doesn't exist	Resume
FtpPush	diskFull	f3acs01	Aug 2 2007 4:01PM	0	0	Max Retry Reached	Resume

Below the table is the "Active Destinations" section, which includes input fields for "Destination Name" (Configured name) and "Host Name" (The destination host name), and buttons for "Suspend" and "View Requests".

At the bottom of the page, there is a message: "Need help with the Order Manager? Click on a Question Mark to get context-sensitive Help!"

Figure 4.8.12-32. Suspended Destinations Monitor Page

Note: Limited Capability operators cannot take any actions on this page.

The FTP Push / SCP Distribution Destination Detail Page displays a **Suspend/Resume** button, a list of FTP Push / SCP Operations that Caused the Suspension of the destination and a list of FTP Push Requests That Are Not In A Terminal State for the destination.

The Suspend/Resume button is labeled **Resume** if the destination is suspended and **Suspend** if the destination is active. Clicking this button will suspend or resume the destination.

For a description of the list of FTP Push Requests, see Section 4.8.12.2.4.1. View Distribution Requests.

4.8.12.3.2 FTP Push/ SCP Distribution Destinations Detail Page

Note: Limited Capability operators cannot take any actions on this page.

The FTP Push / SCP Distribution Destinations Detail Page displays a list of FTP Push / SCP Operations that Caused the Suspension of the destination selected and a list of FTP Push Requests That Are Not In A Terminal State for the destination selected. This is displayed in Figures 4.8.12-33 and 4.8.12-34.

For a description of the list of FTP Push / SCP Requests see Section 4.8.12.2.4.2.

The screenshot shows the Order Manager GUI interface. The browser address bar indicates the URL: http://f4sp101.hitc.com:22451 - OM GUI - DEV05 MODE - Mozilla Firefox. The page title is "Ftp Push Monitor - Suspended Configured Destination". The destination name is "OTHER" and the host name is "test".

The "Destination Failed Request List" table contains the following data:

Request Id	ECS Granule Id	DPL Granule Id	Last Update	Size (MB)	Explanation
0400023079	153341	227538	Jun 23 2008 1:57PM	0.0954	Request Canceled
0400023080	153341	227538	Jun 23 2008 6:01PM	0.0954	Request Canceled
0400023081	153341	227538	Jun 23 2008 3:59PM	0.0954	Request Canceled
0400023082	153341	227538	Jun 23 2008 8:03PM	0.0954	Request Canceled
0400023083	153341	227538	Jun 23 2008 10:05PM	0.0954	Request Canceled
0400023079	88467	223812	Jun 23 2008 1:57PM	19.3672	Invalid Host Address
0400023080	88467	223812	Jun 23 2008 6:01PM	19.3672	Invalid Host Address
0400023081	88467	223812	Jun 23 2008 3:59PM	19.3672	Invalid Host Address
0400023082	88467	223812	Jun 23 2008 8:03PM	19.3672	Invalid Host Address
0400023083	88467	223812	Jun 23 2008 10:05PM	19.3672	Invalid Host Address

The "FTP Push Requests List For this Destination" table contains the following data:

Ord Typ	OrderID	Request Size(MB)	Gran Cnt	Complete	Priority	Request Status	Resource Class	ESDT	UserID	Resub Cnt	Created	Last Update	Actions
Regular	0400022967 0400023083	19	2	0	NORMAL	Operator Intervention	C	MULTIPLE	EcsGuestTest2	0	Jun 23 2008 12:15PM	Jun 23 2008 10:05PM	Cancel
Regular	0400022966 0400023082	19	2	0	NORMAL	Operator Intervention	C	MULTIPLE	EcsGuestTest2	0	Jun 23 2008 12:15PM	Jun 23 2008 8:03PM	Cancel
Regular	0400022965 0400023081	19	2	0	NORMAL	Operator Intervention	C	MULTIPLE	EcsGuestTest2	0	Jun 23 2008 12:15PM	Jun 23 2008 3:59PM	Cancel

Figure 4.8.12-33. FTP Push Distribution Destinations Detail Page

sessionid=omsadmin Tue Jun 24 15:25:43 2008

SCP Monitor - Suspended Configured Destination
Destination Name tomroegscp Host Name origin

Destination Failed Request List

Request Id	ECS Granule Id	DPL Granule Id	Last Update	Size (MB)	Explanation
0600113626	210008	186451	Apr 16 2008 1:01PM	0.0678	scp Copy Server is down
0600113627	210012	186456	Apr 16 2008 1:11PM	0.8708	scp Copy Server is down
0600113628	210121	186601	Apr 16 2008 1:16PM	1.1503	scp Copy Server is down
0600113629	210008	186451	Apr 16 2008 12:56PM	0.0678	scp Copy Server is down
0600113629	210012	186456	Apr 16 2008 12:30PM	0.8708	scp Copy Server is down
0600113629	210121	186601	Apr 16 2008 12:40PM	1.1503	scp Copy Server is down
0600113633	210012	186456	Apr 16 2008 1:06PM	0.8708	scp Copy Server is down

SCP Requests List For this Destination

Listing

Go directly to row of 7 rows Show rows at a time.

[first](#) | [previous](#) | Showing 1 - 7 of 7 | [next](#) | [last](#)

Ord Typ	OrderID	Request Size(MB)	Gran Cnt	Complete	Priority	Request Status	Resource Class	ESDT	UserID	Resub Cnt	Created	Last Update	Actions
Regular	0600113310 0600113633	1	1	0	VHIGH	Operator Intervention	C	MOD29P1N.005	labuser	2	Feb 8 2008 3:00PM	Apr 16 2008 1:06PM	Cancel
Regular	0600113306 0600113629	2	3	0	VHIGH	Operator Intervention	C	MULTIPLE	labuser	2	Feb 8 2008 11:43AM	Apr 16 2008 12:56PM	Cancel
Regular	0600113305 0600113628	1	1	0	VHIGH	Operator Intervention	C	MYD11A2.005	labuser	2	Feb 7 2008 4:21PM	Apr 16 2008 1:16PM	Cancel
Regular	0600113304	1	1	1	VHIGH	Operator	C	MOD29P1N.005	labuser	0	Feb 7 2008	Apr 16 2008	Cancel

Figure 4.8.12-34. SCP Distribution Destinations Detail Page

4.8.12.4 OM Queue Status Page

Note: Since Limited Capability operators cannot change queue states, the status buttons will be stationary images.

The Queue Status Page is located under the “OM Status Pages” subsection of the navigation menu. The operator may click on this to expand the menu, revealing several links. Click on “OM Queue Status” to open the **OM Queue Status** page shown in Figure in 4.8.12-35.

This screen allows the operator to monitor the current settings of all media and electronic distribution queue states, the e-mail queue, staging, processing and the acceptance queue both for HEG and external subsetters. The operator is able to stop or resume the acceptance of external subsetter requests.

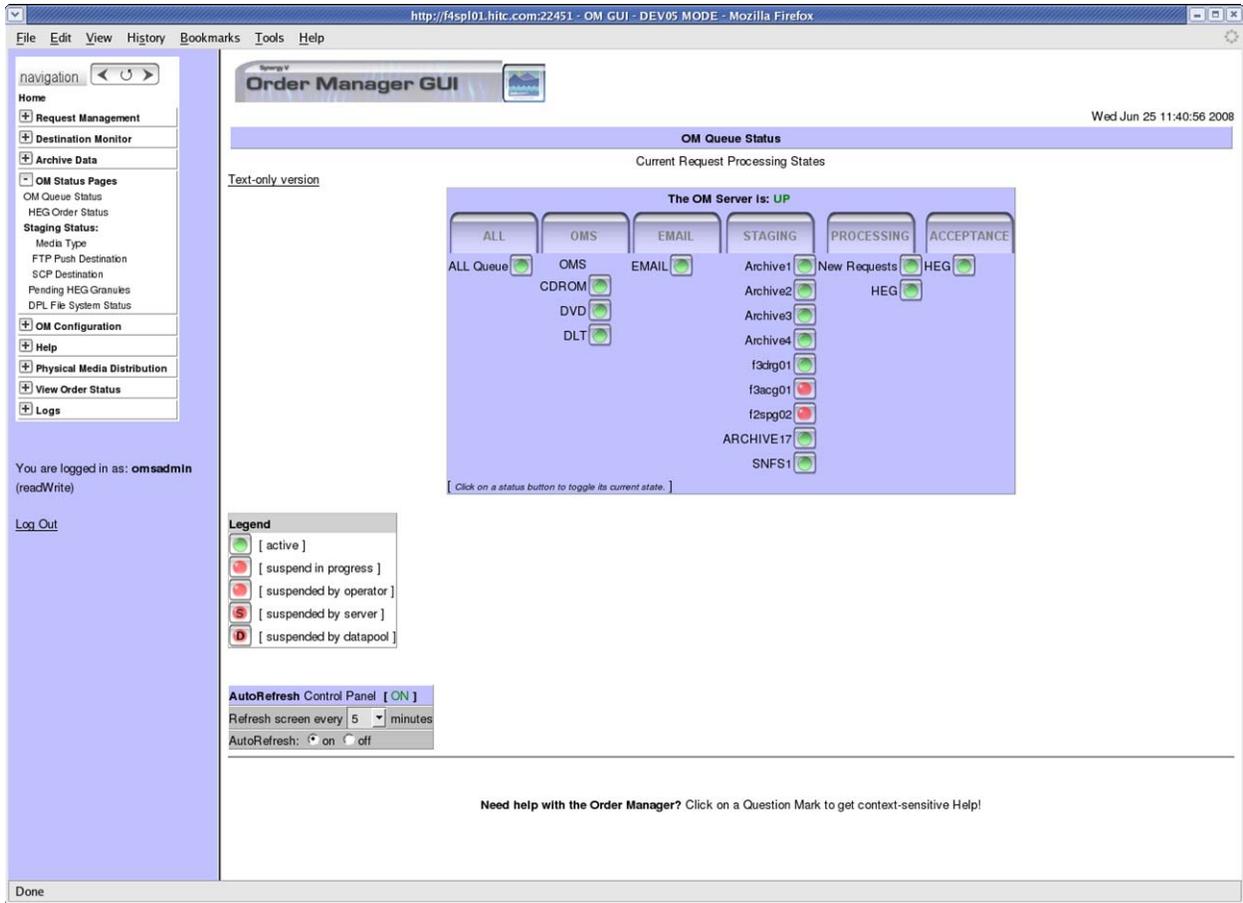


Figure 4.8.12-35. OM Queue Status Page

Table 4.8.12-15 provides a description of the OM GUI Queue Status fields.

Table 4.8.12-15. OM GUI Queue Status Field Descriptions

Field Name	Description
ALL	Suspend/Activate ALL Queues.
OMS	Suspend/Activate OMS physical media queues.
EMAIL	Suspend/Activate the EMAIL queue.
STAGING	Suspend/Activate the Staging Status for each Archive Server.
Processing	Controls processing queues: <ul style="list-style-type: none"> • New Requests – Suspend/Activate processing of New Requests. • HEG – Turns on and off the HEG Queue.
Acceptance	Turns on and off the acceptance of the processing requests Queue (both for HEG and external subsetters requests)

OMS Server Status

From this page the operator may also monitor whether the Order Manager Server is up or down. This page uses an external service called Sweeper to obtain this status. If Sweeper is not available or is returning an invalid status, the page may not indicate the OMS Server's true status.

Individual Queue Status Indicators

Each queue may be in any of three states (see the legend in Figure 4.8.12-36):

1. **Active** – The queue is up or was un-suspended by the operator or automatically by the OMS Server. Indicated by a green light.
2. **Suspend In Progress** – The queue is being suspended, but has not yet completed the necessary processing. Indicated by a yellow light.
3. **Suspended by Operator** – The operator manually suspended the queue from this page. Indicated by a red light.
4. **Suspended by Server** – the OMS Server suspended the queue automatically. Indicated by a red light marked with an “S”.
5. **Suspended by Datapool** – the Datapool has suspended the queue. Indicated by a red light marked with a “D”.



Figure 4.8.12-36. Queue State Legend

Changing a Queue State

To change the state of a master or individual queue, the operator would simply click on the indicator light to change its current state; this in effect works like a toggle switch. The operator is asked to confirm the change before it takes place as shown in Figure 4.8.12-37.



Figure 4.8.12-37. Queue State Transition

The ALL Queue

This queue suspends or activates processing for all queues across the board – that is, all queues handled by the OMS Server. The ALL queue may be active or suspended regardless of the states of the individual queues.

The EMAIL Queue

This queue controls the processing of emails that are sent by the OMS Server.

The Processing Queues

These queues control the Acceptance and Processing of all requests that come through the OMS. Suspending the New Requests queue stops the OMS from processing all new requests. Suspending the Accept HEG Req. queue stops the OMS from accepting new HEG requests. Suspending the HEG queue stops the OMS from processing existing HEG requests already in the OMS.

The Staging Queues

These queues allow the operator to Suspend/Activate the Staging Status for each Archive Server.

The OMS Queue

This queue controls the processing of physical media types handled by the OMS Physical Media Distribution system – whether validated distribution requests can be processed for sending to the OMS PMD system. Each media type handled by the OMS can be individually suspended or activated.

Automatic Page Refresh

The page is refreshed every 5 minutes by default. The operator can change the refresh rate by selecting a new rate from the drop-down list. The operator can also choose to stop automatically refreshing the page by setting AutoRefresh to *off*.

Limited Capability Operators

Limited Capability operators will see the same status indicators as Full Capability operators, except that the ability to click on the indicator to change the status will be disabled.

Accommodations for Visually Impaired Operators

A “Text-only version” link on the page loads high contrast images with clear text indicators for each queue status. The operator may toggle back and forth between the two page versions without having to reload the page (see Figure 4.8.12-38).

The status indicators are switched to the following:

1. **“A” for Active** – The queue is up or was un-suspended by the operator or automatically by the OMS Server.
2. **“O” for Suspended by Operator** – The operator manually suspended the queue from this page.
3. **“S” for Suspended by Server** – the OMS Server suspended the queue automatically.
4. **“D” for Suspended by Datapool** – Datapool processing has suspended the queue.

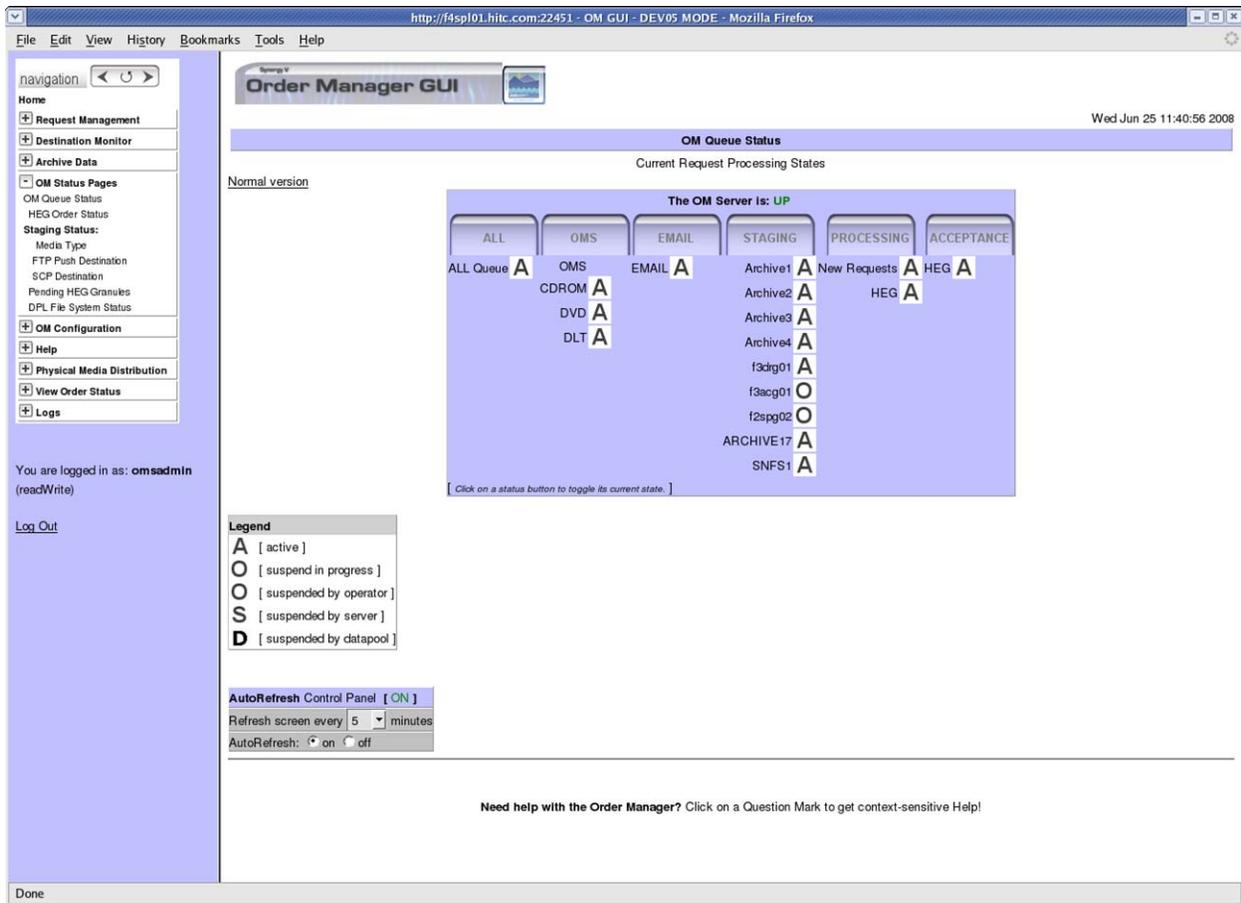


Figure 4.8.12-38. Text-only Version of Queue Status Page

4.8.12.4.1 Staging Status Pages

The Staging Status pages show a summary of the volume and number of granules that are currently in Staging. The Staging information is broken down into four categories:

- Granules waiting for Staging
- Granules in Staging
- Granules that have been Staged but not yet shipped
- Granules that have been staged and shipped

The Staging Status information is categorized by media type – one page for FtpPush, and another for all other media types (physical media and FtpPull).

Staging Status by Media Type

Click on “Media Type” under the **Staging Status Pages** subsection of **OM Status Pages**. This will show a detailed summary of number and volume of granules in their various Staging states, as shown in Figure 4.8.12-39. Next to each media type is also the target low and high Watermarks, see Table 4.8.12-16 for more details on Watermarks. These Watermarks are configurable by full-capability operators in the Media Configuration page.

The screenshot shows the 'Staging Status by Media Type' page in the Order Manager GUI. The page title is 'Staging Status by Media Type'. Below the title is a table showing granule count and volume for various media types. The table has the following columns: Media Type, DHWM, DLWM, Waiting for Staging, In Staging, Staged & NOT Shipped, and Staged, Shipped & In DPL. The data is as follows:

Media Type	DHWM	DLWM	Waiting for Staging	In Staging	Staged & NOT Shipped	Staged, Shipped & In DPL
CDROM	150	1	1 0.000 MB	3 0.000 MB	120 805.774 MB	0 0 MB
DLT	143360	0.1	4 736.840 MB	0 0 MB	14 342.132 MB	0 0 MB
DVD	10	1	3 0.468 MB	0 0 MB	38 24.990 MB	0 0 MB
FlpPull	1000		1 0 MB	0 0 MB	6 33.748 MB	28 141.761 MB
SYSTEM TOTALS ?			436 22646.477 MB	13 88.034 MB	758 2148.858 MB	110 248.016 MB

Below the table is an 'AutoRefresh Control Panel' with a toggle for 'AutoRefresh' set to 'OFF'. The refresh interval is set to '1 minutes'. At the bottom of the page, there is a message: 'Need help with the Order Manager? Click on a Question Mark to get context-sensitive Help!'. The footer of the page shows the URL: 'http://f4spl01.hitc.com:22451/cgi-bin/ECOMGuiStagingStatus.pl?sessionId=omsadmin&pageType=M'.

Figure 4.8.12-39. Staging Status by Media Type

Table 4.8.12-16. Watermark Descriptions

Watermark	Meaning	Description
DHWM	Data High Watermark	<p>The maximum volume of data in staging or already staged but not yet shipped. If the data volume and number of requests is above the DHWM, it is assumed the media devices have plenty of work to keep them busy.</p> <p>Generally, it is ideal to try to keep the amount of work that is in staging or staged just below the high watermark of each output queue. This achieves a good balance among FTP output connections (or in the case of physical media, their various output devices).</p> <p>The Data High watermarks can be exceeded in the interest of optimizing the use of the archive drives or to get high priority work through distribution quickly. For example, an idle archive would be dispatched even if this means the DHWM would be exceeded.</p>
DLWM	Data Low Watermark	<p>The minimum volume of data that should be in staging or already staged but not yet shipped. If the data volume is below the DLWM, the media devices may soon become idle.</p> <p>This is mainly used for dispatching high priority work. Since it is a good idea to try to keep the queues at their high water marks, the output queues generally might be fairly full. As a result, a high priority request might have to wait until some of data gets worked off and the queue falls below that high watermark. But high priority requests should go through at a fast pace.</p>

Staging Status by FTP Push Destination

Click on “Ftp Push Destination” under Staging Status Pages in the OM Status Pages menu. This page will display a list of the currently configured FTP Push destination names, along with the IP address and destination directory (see Figure 4.8.12-40). Each of these destinations has individual DHWM and DLWM settings, as well their own Staging Status numbers. This screen shows the number and volume (in MB) of granules that are:

- Waiting for Staging
- In Staging
- Staged & NOT Shipped
- Staged, Shipped & In DPL

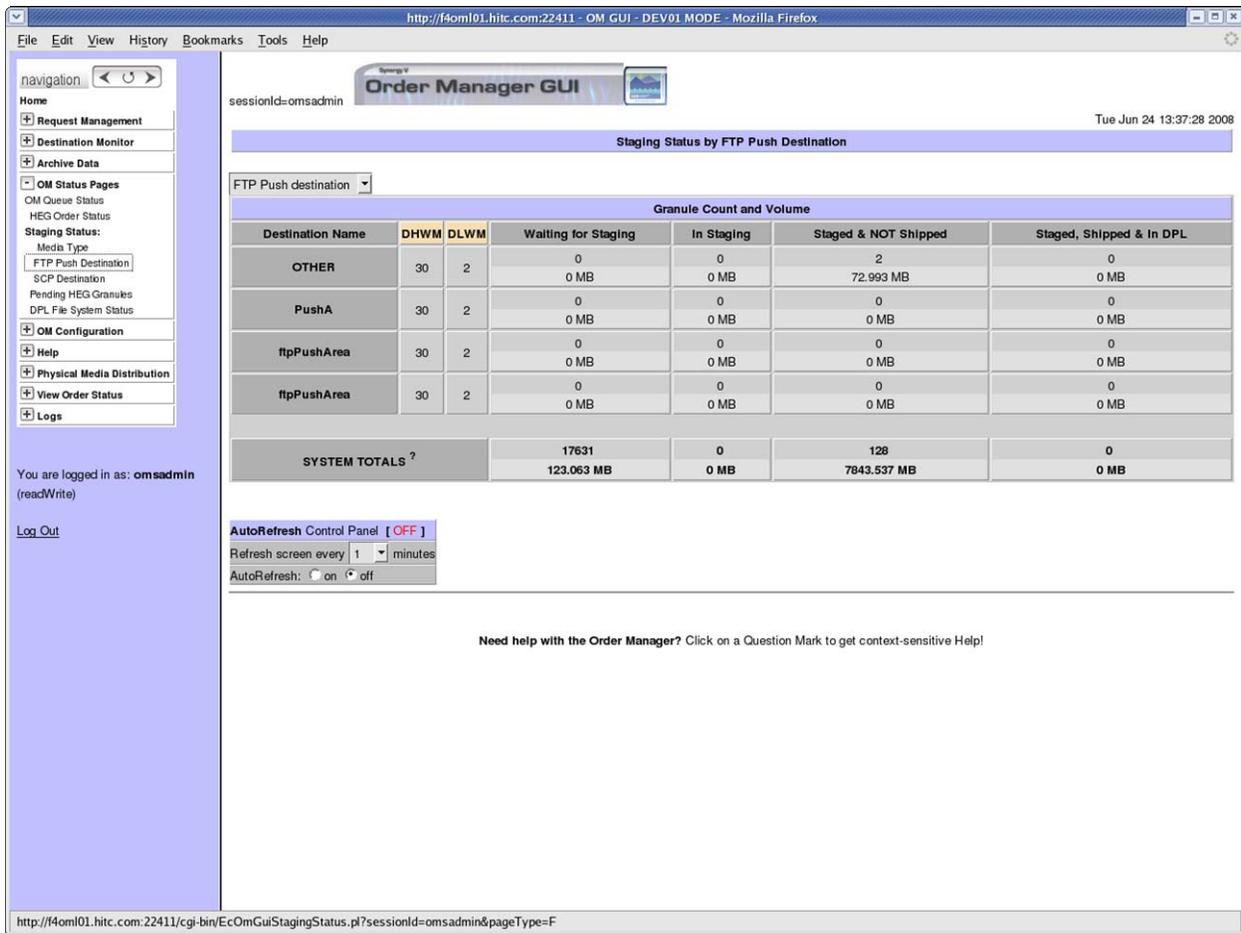


Figure 4.8.12-40. Ftp Push Destination Listing For Staging Status

Staging Status by SCP Destination

Click on “SCP Destination” under Staging Status Pages in the OM Status Pages menu. This page will display a list of the currently configured SCP destination names. Each of these destinations has individual DHWM and DLWM settings, as well their own Staging Status numbers. This screen, as shown in Figure 4.8.12-41, shows the number and volume (in MB) of granules that are:

- Waiting for Staging
- In Staging
- Staged & NOT Shipped
- Staged, Shipped & In DPL

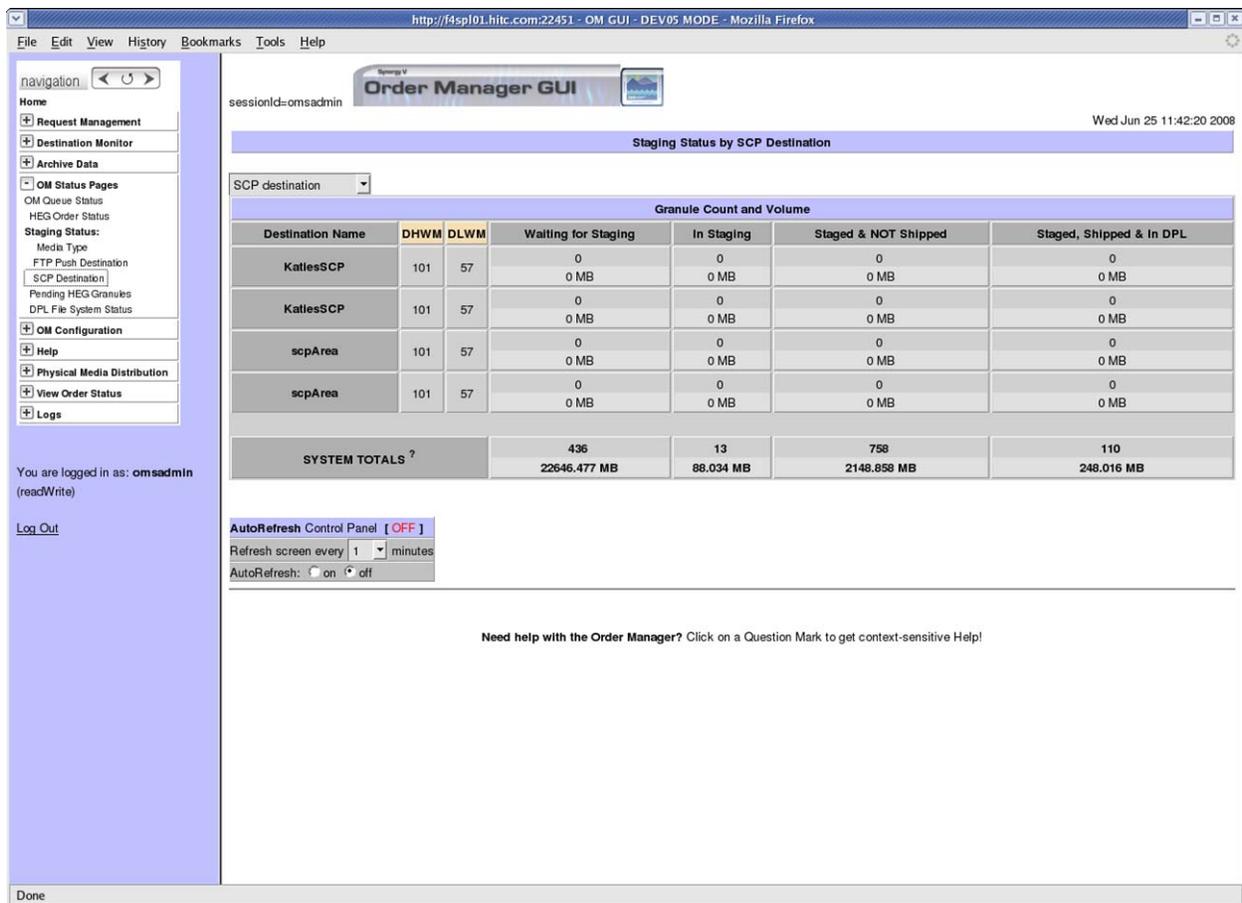


Figure 4.8.12-41. SCP Destination Listing For Staging Status

4.8.12.5 Pending HEG Granules Page

The **Pending HEG Granules** page lists the HEG granules that are currently pending with the HEG processing service in order of their submission time.

The operator may view the processing instructions for a granule by clicking the View ... link corresponding to the granule to be viewed.

The operator may cancel any of the HEG granules that are currently pending with the HEG processing service. To cancel a HEG granule, the operator clicks the Cancel button corresponding to the granule to be cancelled.

The operator may cancel multiple HEG granules that are currently pending with the HEG processing service. To cancel multiple HEG granules, the operator clicks the checkbox corresponding to each of the granules to be cancelled. Then, s/he clicks the Bulk Cancel button on the Options bar. All granules may be checked or unchecked at the same time by clicking the Select All or Select None checkboxes respectively.

Figure 4.8.12-42 shows the **Pending HEG Granules** page.

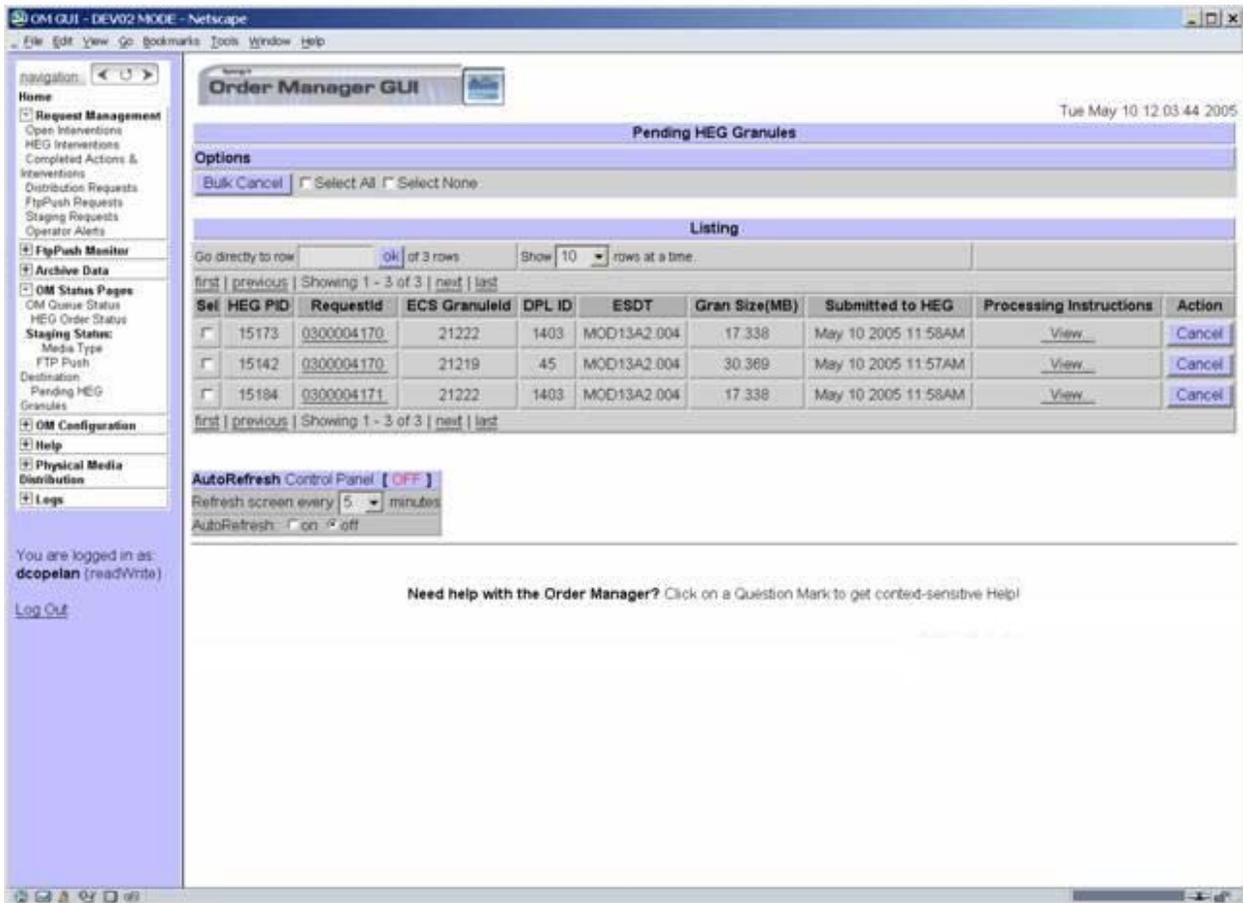


Figure 4.8.12-42. Pending HEG Granules Page

Table 4.8.12-17 describes the fields displayed on the **Pending HEG Granules** page.

Table 4.8.12-17. Pending HEG Granules Page Field Descriptions

Field Name	Data Type	Size	Description
Sel	Checkbox	n/a	Checkbox to select a granule for bulk cancel.
HEG PID	Integer	5	ProcessId of the HEG processor for this granule
RequestId	Link/Integer	10	UID for a request. This is a link to the Request Detail page.
ECS GranuleId	Integer		The ECS Granule ID for the granule. This is not the full Granule ID as stored in the MSS or Order Manager Database, rather it is the 16-digit ID as stored in the Data Pool database.
DPL ID	Integer		The Data Pool Granule ID, if applicable. These cannot be changed
ESDT	Character	12	Earth science data type
Gran Size(MB)	Float	all	The input size in MB of the granule, before any processing
Submitted to HEG	Date/Time	19	Date/time the granule was submitted to the HEG processor.
Processing Instructions	Link	n/a	Link to view the processing instructions details, if any.
Action	Button	n/a	Button which, when clicked, will cancel HEG processing for the granule.

4.8.12.6 OM Configuration Pages

Note: For all types of configuration pages, Limited Capability operators can only view configuration parameters. The ability to update parameters will be disabled.

Aging Parameters

To access this page, click “Aging Parameters” under the **OM Configuration** menu. This page displays parameters that affect how Distribution Requests are aged over time (see Figure 4.8.12.43). The aging parameters are configurable for each ECS Priority Level (XPRESS, VHIGH, HIGH, NORMAL, and LOW). Below is a description of each parameter.

Age Step: The aging rate by which the effective priority of a request increases for every hour it has been waiting. The range is 0-100, including decimal fractions. If this parameter is set to 0, waiting requests will never increase in priority.

For example, if the Age Step is set to 5.5 and a request with an initial priority of 100 waits 10 hours to be pushed, then the request will increase in priority by a factor of 5.5 every hour until it has been delivered:

Hour 0: priority = 100

Hour 1: priority = 105.5

Hour 2: priority = 111

.

.

Hour 10: priority = 155

Maximum Priority The maximum priority a request can attain through this aging process. For example, if Maximum Priority were set to 130, then in the example above, once the request had reached a priority of 130, it would not go any higher (i.e., at Hour 10 it would still be 130).

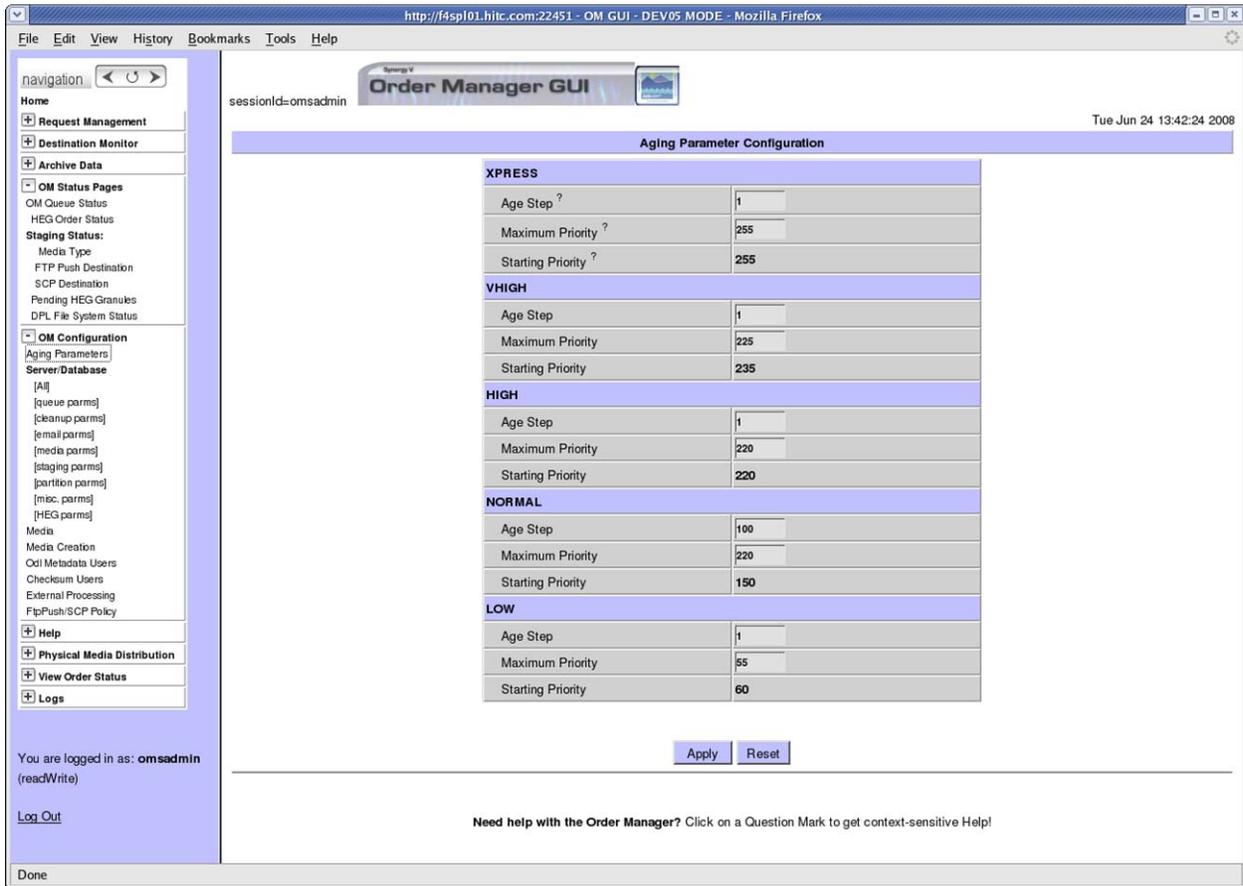


Figure 4.8.12-43. Aging Parameter Configuration

Server/Database Configuration

These are values that affect how the OM Server and Database run (see Figure 4.8.12-44 and Figure 4.8.12-45). The page displays the current value of the configuration parameters and provides a text input box to change them. To the far right is a description of each parameter.

These parameters are dynamically loaded into the page, meaning that the parameters displayed are those that the operator can modify. If a configuration parameter is added in the Database, it will also be displayed on the screen. See Table 4.8.12-18 for a description of these parameters.

Drop-Down Lists

Some parameters are not editable text fields, but drop-down lists containing the possible values for that field. This is to protect the OMS Server from acting in an undesirable way as a result of using an unexpected value. For example Global Staging Status is one such field – it *must* be “S” or “A” for the OMS Server to function properly.

The screenshot shows the Order Manager GUI in Mozilla Firefox. The browser address bar shows the URL: http://f4spi01.hitc.com:22451 - OM GUI - DEV05 MODE - Mozilla Firefox. The page title is "Order Manager GUI". The session ID is "omsadmin". The date and time are "Tue Jun 24 13:43:32 2008".

The main content area is titled "OMS Server and Database Configuration: All parameters". It contains a table with the following data:

Parameter	Description	Units	Value
Num Of Allowed Email Submissions	Max Number of concurrent submissions to PDS		5
Child Process Time Limit	Amount of time to wait to kill child process before retrying action	seconds	1800
Delete Complete Interventions After	Time in hours Completed Interventions are maintained	hours	3
Delete Complete Actions After	Time in hours Completed Actions are maintained	hours	24
Max Request Granules	Maximum number of granules a request may contain		1000
Max Subset Granules	Maximum number of granules a request may contain if it specifies subsetting		100
Delay Partition	Time delay in hours each successive partition is supposed to be dispatched	hours	24.0
Max Action Retries	Maximum number of times an action can be retried before the request is FAILED		5
Idle Sleep Time	Length of time between OM Server checks for config parameters	seconds	10
Action Retry Wait	Time in seconds the OmServer waits before attempting to re-dispatch an action	seconds	120
Num Of Allowed Validations	Number of threads the OMServer uses for performing request validations action	threads	30
Action Check Interval	Time in seconds the OmServer waits before checking on actions	seconds	10
Cleanup Check Interval	Time in seconds the OmServer waits before performing cleanup activities	seconds	1
Suspend Check Interval	Time in seconds the OmServer waits before performing checking suspended queues	seconds	30
Max Concurrent Requests Processed	Number of concurrent requests the Om Server will process at one time	integer	200
Notify User For Partition Requests	Whether or not user want to receive notification when partition happens yes or no	none	Y (Yes)
Global Staging Status	Synergy IV Staging Mode Status	none	A (Active)

The sidebar on the left contains navigation links: Home, Request Management, Destination Monitor, Archive Data, OM Status Pages, OM Configuration, Aging Parameters, Server/Database, [All], [queue parms], [cleanup parms], [email parms], [media parms], [staging parms], [partition parms], [misc. parms], [HEG parms], Media, Media Creation, Odi Metadata Users, Checksum Users, External Processing, FtpPush/SCP Policy, Help, Physical Media Distribution, View Order Status, and Logs. At the bottom of the sidebar, it says "You are logged in as: omsadmin (readWrite)" and "Log Out".

Figure 4.8.12-44. Server/Database Configuration —Part 1



Figure 4.8.12-45. Server/Database Configuration – Part 2

Media Configuration

To access this page, click on “Media” under the **OM Configuration** menu. These configuration parameters are specific to each media type, and are dynamically loaded just as the Server/Database Configuration parameters. The page displays the current value of the parameter and provides a text box input to change it. Figures 4.8.12-46a and 4.8.12-46b show an example of some of the Media Configuration Parameters. See Table 4.8.12-18 for a description of these parameters.

http://f4spl01.hitc.com:22451 - OM GUI - DEV05 MODE - Mozilla Firefox

File Edit View History Bookmarks Tools Help

navigation: < >

Home History Bookmarks onld=omsadmin

Order Manager GUI

Tue Jun 24 13:44:31 2008

Media Configuration

Parameter Name	Value
FtpPull <input checked="" type="checkbox"/> [rule]	
MediaCapacity (GB)	20.0005
PartitionGranuleLimit	3000
PartitionSizeLimit (GB)	54.0000
MinRequestSize (GB)	0.0000
MaxRequestSize (GB)	62.0000
MinBundleSize (GB)	54.0000
Request High Water Mark	100
Data High Water Mark (MB)	1000
Pull Gran Dpl Time (days) [...]	0
Pull Gran Dpl Ret Pri (number) [...]	6
Min Pri To Preempt (number) [...]	4
FtpPush <input checked="" type="checkbox"/> [rule]	
MediaCapacity (GB)	20.0000
PartitionGranuleLimit	3000
PartitionSizeLimit (GB)	40.0000
MinRequestSize (GB)	0.0000
MaxRequestSize (GB)	47.0000
MinBundleSize (GB)	40.0000
CDROM <input checked="" type="checkbox"/> [rule]	
MediaCapacity (GB)	0.1100
PartitionGranuleLimit	1000
PartitionSizeLimit (GB)	3.1000
MinRequestSize (GB)	0.0000
MaxRequestSize (GB)	5.2500

Left sidebar menu:

- Request Management
- Destination Monitor
- Archive Data
- OM Status Pages
- OM Configuration
 - Aging Parameters
 - Server/Database
 - [All]
 - [queue parms]
 - [cleanup parms]
 - [email parms]
 - [media parms]
 - [staging parms]
 - [partition parms]
 - [misc. parms]
 - [HECparms]
 - Media
 - Media Creation
 - Od Metadata Users
 - Checksum Users
 - External Processing
 - FtpPush/SCP Policy
- Help
- Physical Media Distribution
- View Order Status
- Logs

You are logged in as: omsadmin (readWrite)

[Log Out](#)

http://f4spl01.hitc.com:22451/cgi-bin/EcOmGuiNav.pl#

Figure 4.8.12-46a. Media Configuration Page (Part 1 of 2)

http://f4spl01.hitc.com:22451 - OM GUI - DEV05 MODE - Mozilla Firefox

File Edit View History Bookmarks Tools Help

navigation < >

Home

- + Request Management
- + Destination Monitor
- + Archive Data
- + OM Status Pages
- OM Configuration
 - Aging Parameters
 - Server/Database
 - [All]
 - [queue parms]
 - [cleanup parms]
 - [email parms]
 - [media parms]
 - [staging parms]
 - [partition parms]
 - [misc. parms]
 - [HEG parms]
 - Media
 - Media Creation
 - OdI Metadata Users
 - Checksum Users
 - External Processing
 - FtpPush/SCP Policy
- + Help
- + Physical Media Distribution
- + View Order Status
- + Logs

You are logged in as: omsadmin (readWrite)

Log Out

Done

Data Low Water Mark (MB)	1
DLT [rule]	
MediaCapacity (GB)	0.0005
PartitionGranuleLimit	500
PartitionSizeLimit (GB)	94.0000
MinRequestSize (GB)	0.0000
MaxRequestSize (GB)	105.0000
MinBundleSize (GB)	94.0000
Request High Water Mark	50
Data High Water Mark (MB)	143360
Request Low Water Mark	0
Data Low Water Mark (MB)	0.1
DVD [rule]	
MediaCapacity (GB)	4.7000
PartitionGranuleLimit	3000
PartitionSizeLimit (GB)	7.7000
MinRequestSize (GB)	0.0000
MaxRequestSize (GB)	15.0000
MinBundleSize (GB)	12.0000
Request High Water Mark	20
Data High Water Mark (MB)	10
Request Low Water Mark	0
Data Low Water Mark (MB)	1
scp [rule]	
MediaCapacity (GB)	15.0000
PartitionGranuleLimit	3000
PartitionSizeLimit (GB)	40.0000
MinRequestSize (GB)	0.0000
MaxRequestSize (GB)	45.0000
MinBundleSize (GB)	40.0000

Figure 4.8.12-46b. Media Configuration Page (Part 2 of 2)

Table 4.8.12-18. OM GUI Configuration Parameters Descriptions (1 of 3)

Field Name	Units	Description
Num Of Allowed PDS Submissions		Max Number of concurrent submissions to PDS
Num Of Allowed Email Submissions		Max Number of concurrent submissions to Email
Child Process Time Limit	seconds	Amount of time to wait to kill child process before retrying action
Delete Complete Interventions After	hours	Time in hours Completed Interventions are maintained
Delete Complete Actions After	hours	Time in hours Completed Actions are maintained
Max Request Granules		Maximum number of granules a request may contain
Max Subset Granules		Maximum number of granules a request may contain if it specifies subsetting
Delay Partition	hours	Time delay in hours each successive partition is supposed to be dispatched
Max Action Retries		Maximum number of times an action can be retried before the request is FAILED
Idle Sleep Time	seconds	Length of time between OM Server checks for config parameters
Action Retry Wait	seconds	Time in seconds the OmServer waits before attempting to re-dispatch an action
Num Of Allowed Validations	threads	Number of threads the OMServer uses for performing request validations action
Action Check Interval	seconds	Time in seconds the OmServer waits before checking on actions
Cleanup Check Interval	seconds	Time in seconds the OmServer waits before performing cleanup activities
Suspend Check Interval	seconds	Time in seconds the OmServer waits before performing checking suspended queues
Billing Agency Email Address		Name used by OmServer for DORRAN Emails, must be updated by EDC Personnel
Billing Agency Name		Name used by OmServer for DORRAN Email Notifications must be updated by EDC Personnel
Max Concurrent Requests Processed		Number of concurrent requests the Om Server will process at one time
Notify User For Partition Requests		Whether or not user want to receive notification when partition happens yes or no
Global Staging Status		Staging Mode Status
Min Moderate Request		min number of tape mounts classified Moderate
Min Expensive Request		min number of tape mounts classified Expensive
Max Cheap Requests		Max number of Concurrent requests classified as Cheap that can be promoted to staging

Table 4.8.12-18. OM GUI Configuration Parameters Descriptions (2 of 3)

Field Name	Data Type	Description
Max Moderate Requests		Max number of Concurrent requests classified as Moderate that can be promoted to staging
Max Expensive Requests		Max number of Concurrent requests classified as Expensive that can be promoted to staging
Max Failure Archive		Allowable number of failures prior to suspending Archive
Global Configured Email		Configured email account to send actions to when an alert or intervention is generated
Max Orphan Req Age	hours	How long to keep an orphaned request in system before it is qualified for removal
Cleanup Orphan Req Period	hours	How often to cleanup orphaned requests
Forward Dn Email		Configured email account for forwarded DN Email
Unsuccess Req Ret Time	hours	Amount of time in hours to keep unsuccessful requests/orders in OMS
Cleanup Delay Interval	minutes	The delay time interval for cleanup granules.
Max Num Of Concurrent HEG Process		The maximum number of HEG Service requests that may be processed concurrently.
Max Num Of Concur HEG Proc Per Req		The maximum number of HEG Service requests that may be processed concurrently for a single request.
HEG Process Retry Interval	seconds	Retry interval for automatic retry in case the queue is suspended automatically.
Due Date For Media Request	hours	Number of hours from the time the request finished staging that request is due for distribution
Global Configured Operator Actions Email		Configured email account to send operator actions to.
Qc Timeout	minutes	The maximum time (minutes) QC is allowed to run before generating an intervention
Production Timeout	minutes	The maximum time (minutes) Production is allowed to run before generating an intervention
Media Prep Timeout	minutes	The maximum time (minutes) Media Preparation is allowed to run before generating an intervention
Luminex Timeout	minutes	Configured maximum time interval in minutes which OM will wait for a response from Luminex software.
MediaCapacity (GB)	Float	Size in GB that will fit on 1 volume.
MinRequestSize (GB)	Float	Size in GB for the smallest order to be processed.
MaxRequestSize (GB)	Float	Size in GB for the largest order to be processed.
PartitionSizeLimit (GB)	Float	Size in GB for orders to be partitioned.

Table 4.8.12-18. OM GUI Configuration Parameters Descriptions (3 of 3)

Field Name	Data Type	Description
MinBundleSize (GB)	Float	Size in GB for smallest bundle.
PartitionGranuleLimit	Int	Number of granules per partition.
Request High Water Mark	Int	The maximum number of requests in staging or already staged but not yet shipped.
Data High Water Mark (MB)	Int	The maximum volume of data in staging or already staged but not yet shipped.
Request Low Water Mark	Int	The minimum number of requests in staging or already staged but not yet shipped.
Data Low Water Mark (MB)	Int	The minimum volume of data in staging or already staged but not yet shipped.
Pull Gran Dpl Time (days)	Int	For FtpPull only. Number of days to keep granule in Data Pool.
Pull Gran Dpl Ret Pri (number)	Int	For FtpPull only. Retention Priority.
Min Pri To Preempt (number)	Int	For FtpPull only. Minimum priority to preempt.

4.8.12.6.1 Media Creation Configuration

Special configuration parameters that control how physical media distribution requests are handled are displayed in the **Media Creation Configuration** page located under the **OM Configuration** menu (see Figure 4.8.12-47). Table 4.8.12-19 explains these options in detail. These parameters are not shown for non-physical media types.

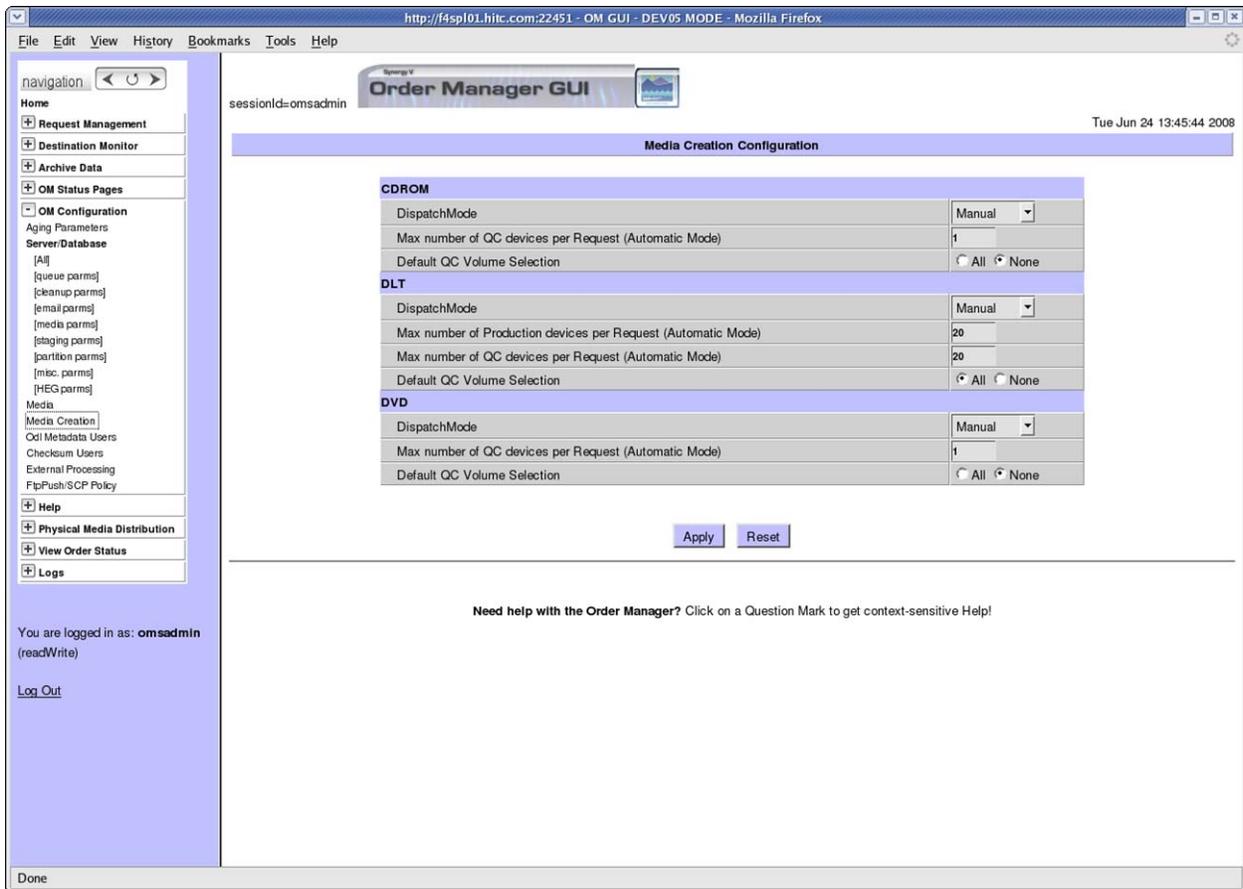


Figure 4.8.12-47. Media Creation Configuration Page

Table 4.8.12-19. Media Creation Configuration Parameters Descriptions

Parameter Name	Description	Possible Values
DispatchMode	Whether or not devices should be automatically allocated and de-allocated for requests.	Automatic Manual
Max number of Production devices per Request (Automatic Mode)	For tape media that are activated automatically, this is the maximum number of devices a single request can use for media production if there are other requests that could use these devices.	Integer
Max number of QC devices per Request (Automatic Mode)	For any media type that is activated automatically, this is the maximum number of QC devices that a single request can use for media verification if there are other requests that could use these devices.	Integer
Default QC Volume Selection	Indicates the default QC policy. By default, either all volumes can be verified or none.	All None

ODL Metadata Users Configuration

Note: Limited Capability operators are limited to viewing Metadata File Users configuration only. They cannot add, or delete email addresses.

This page can be accessed by clicking “Metadata File Users” under the **OM Configuration** menu as displayed in Figure 4.8.12-48. This page allows the full-capability operators to configure a list of Email addresses that signifies users that need to receive metadata in ODL .met file format: Whenever the Email address for a Distribution Notice contains one of these addresses, the metadata will be distributed in ODL .met file format. Note that if the list is changed, currently active requests’ metadata format will not change. For example, if a user’s email address is deleted from the list, active requests issued for that user subsequent to the deletion will still distribute the metadata files in ODL format.

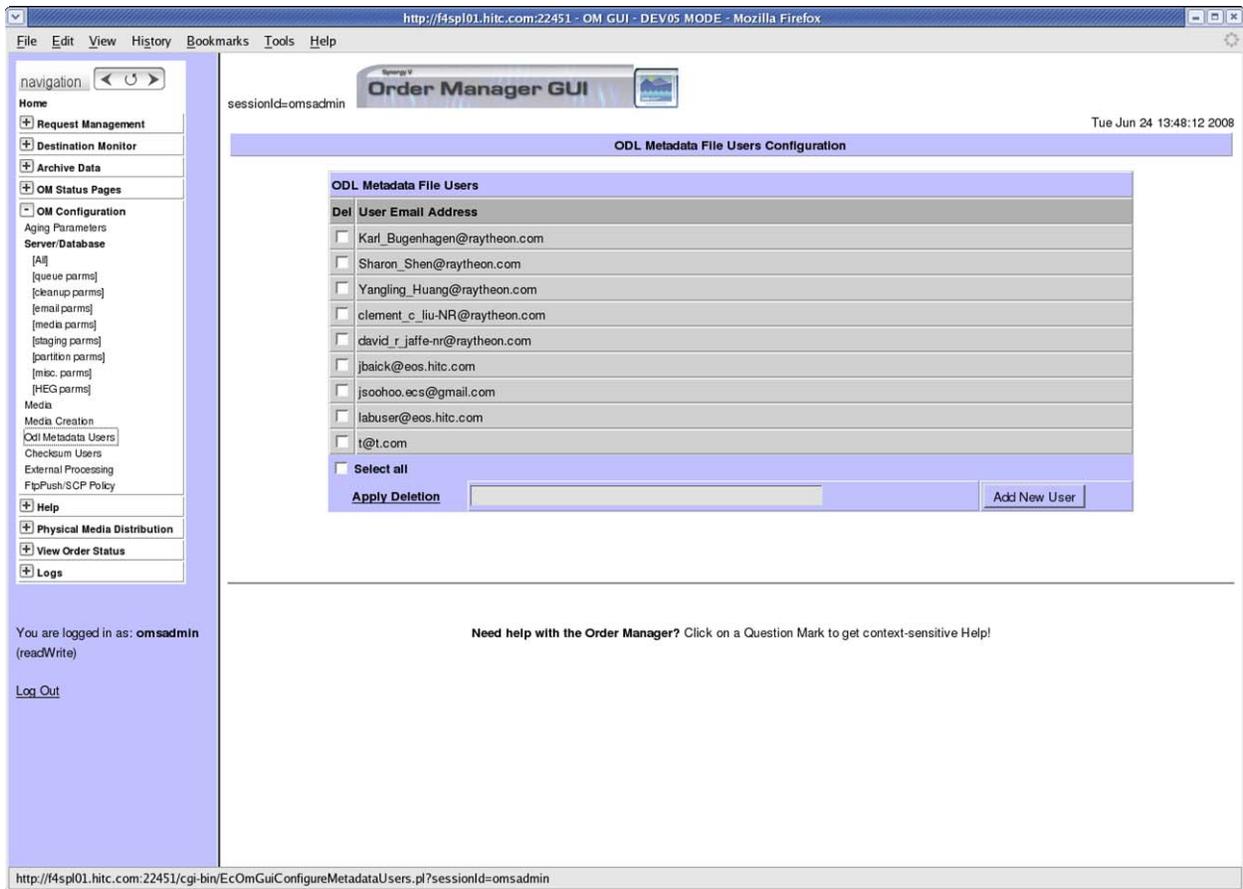


Figure 4.8.12-48. ODL Metadata File Users Configuration Page

Adding a User Email Address

Enter the email address of the user and Click on the “Add New User” button to submit changes to the database. A popup window will ask you to confirm the addition, click on “OK’ button to do so as displayed in Figure 4.8.12-49.

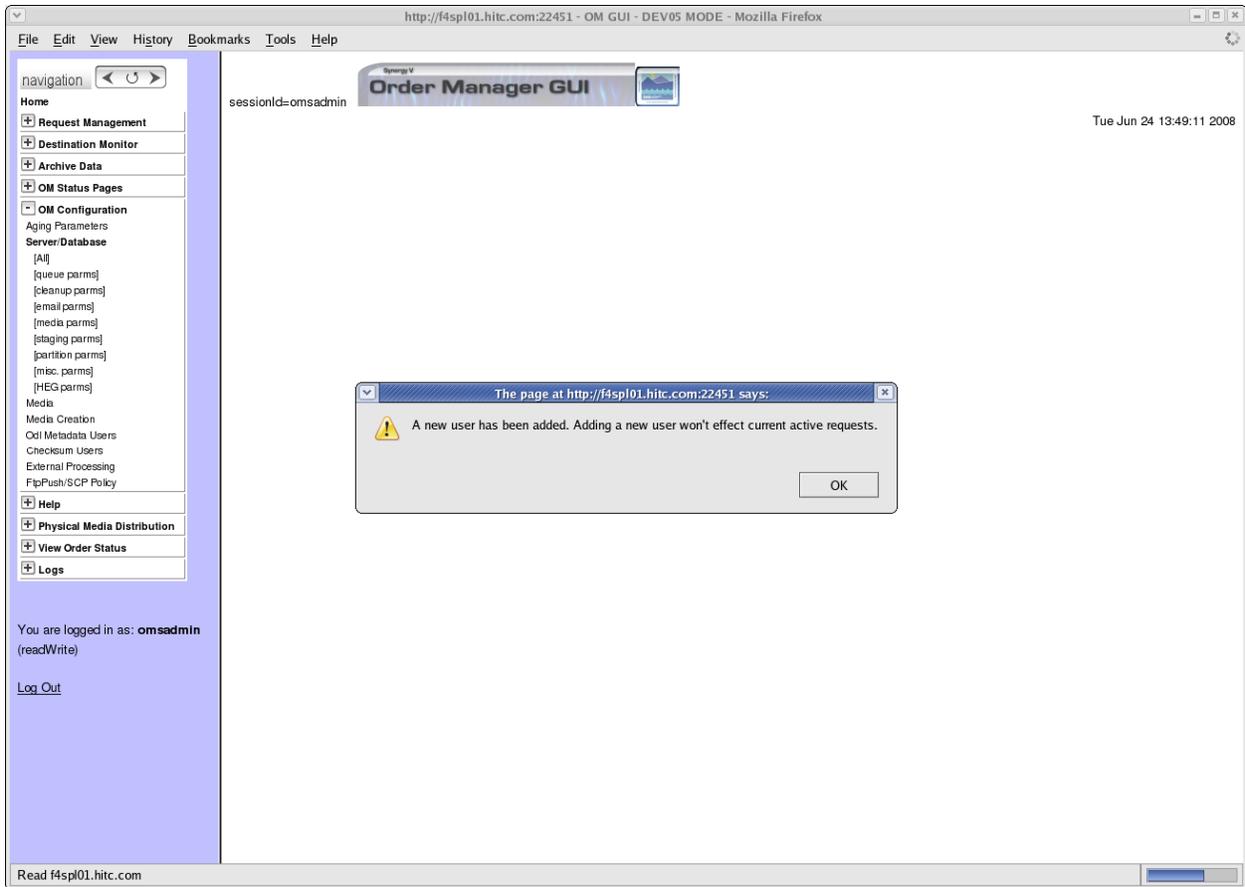


Figure 4.8.12-49. Adding a Metadata User

Deleting User Email Address(es)

Click “Select All” to check User email addresses. In addition, specific users can be selected by clicking their checkboxes individually. Then, click the “Apply Deletion” button to submit changes to the database. A popup window will ask you to confirm the deletion, click on “OK” button to do so. Otherwise, click “Cancel” button. This is shown in Figure 4.8.12-50.

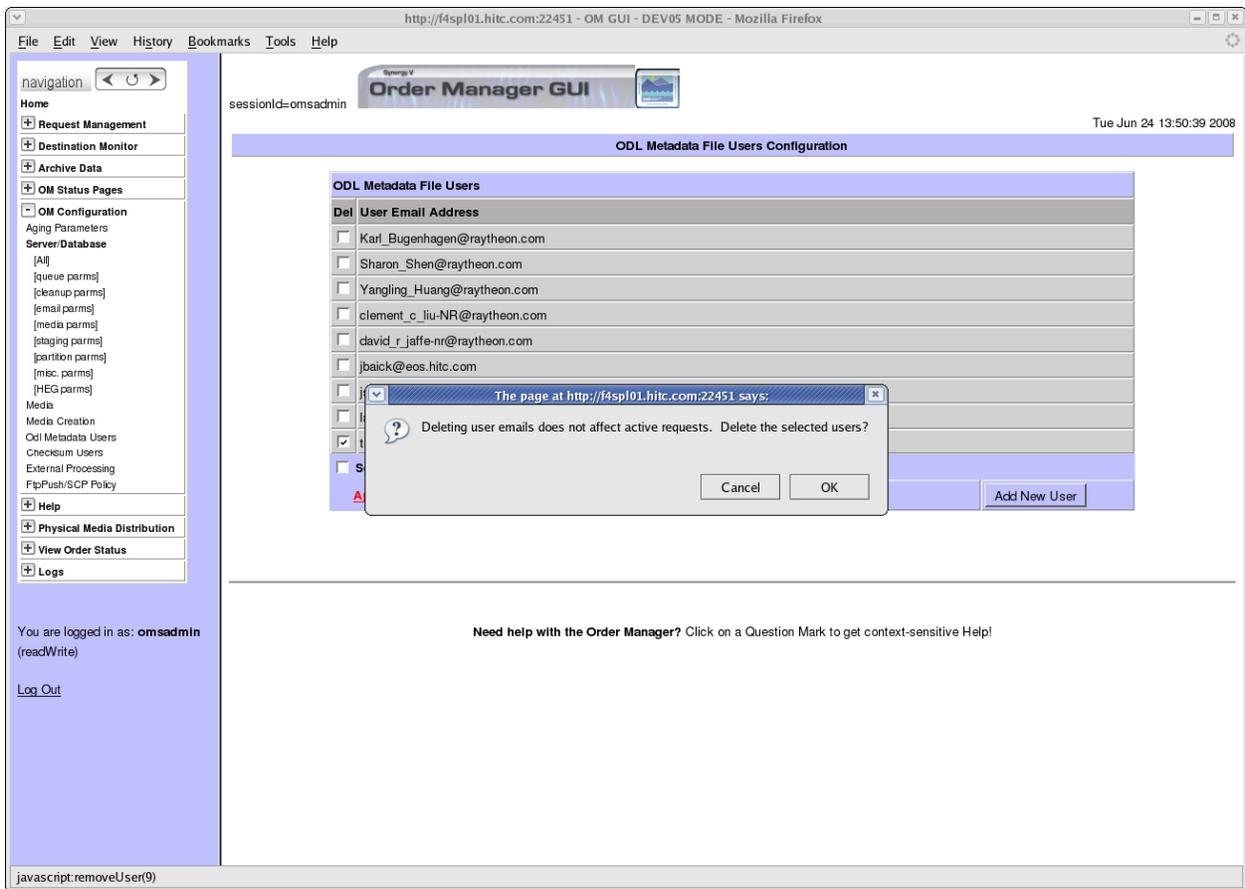


Figure 4.8.12-50. Deleting a Metadata User

External Subsetting Configuration

Note: Limited Capability operators are limited to viewing External Subsetting configuration only. They cannot edit, add, or delete destinations.

This page can be accessed by clicking “External Subsetting” under the **OM Configuration** menu. This page allows the full-capability operators to define and configure the parameters of an external subsetter .

Special configuration parameters that control external subsetting requests are displayed in the **External Subsetting Configuration** page (see Figure 4.8.12-51). Table 4.8.12-19 explains these options in detail.

The screenshot shows the Order Manager GUI interface. The main content area is titled "External Processing Services Policy Configuration". Below this, there is a section for "External Processing Services" with a button to "Add a New External Processing Service". A table lists the following services:

<input type="checkbox"/>	External Processing Service Name	End Point URL	DN Email Address	Total Requests Queued	Total Granules Queued	Request Acceptance
<input type="checkbox"/>	edit 4trey	128.23.45.45:345	ascl@wq.fgh	0	0	ACTIVE
<input type="checkbox"/>	edit OTHER	0.0.0.0:0		1	1	ACTIVE
<input type="checkbox"/>	edit Subsetter2	155.157.31.112:20000	cmdev01@eos.hitc.com	7	7	ACTIVE

Below the table is a button labeled "Delete Selected Processors". At the bottom of the main content area, there is a message: "Need help with the Order Manager? Click on a Question Mark to get context-sensitive Help!".

Figure 4.8.12-51. External Subsetting Configuration Page

Figure 4.8.12-51 allows an authorized operator to do the following actions:

- 1) View a list of external processing services: Processor Name, IP Address, Port Number, DN Email Address, Total Requests Queued, Total Granules Queued, Request Acceptance Status
- 2) Delete an external processing service if there is no pending request for this external processing service.
- 3) Add a new processing service by clicking the button
- 4) Edit existing processing service configuration.

Add External Subsetting Configuration

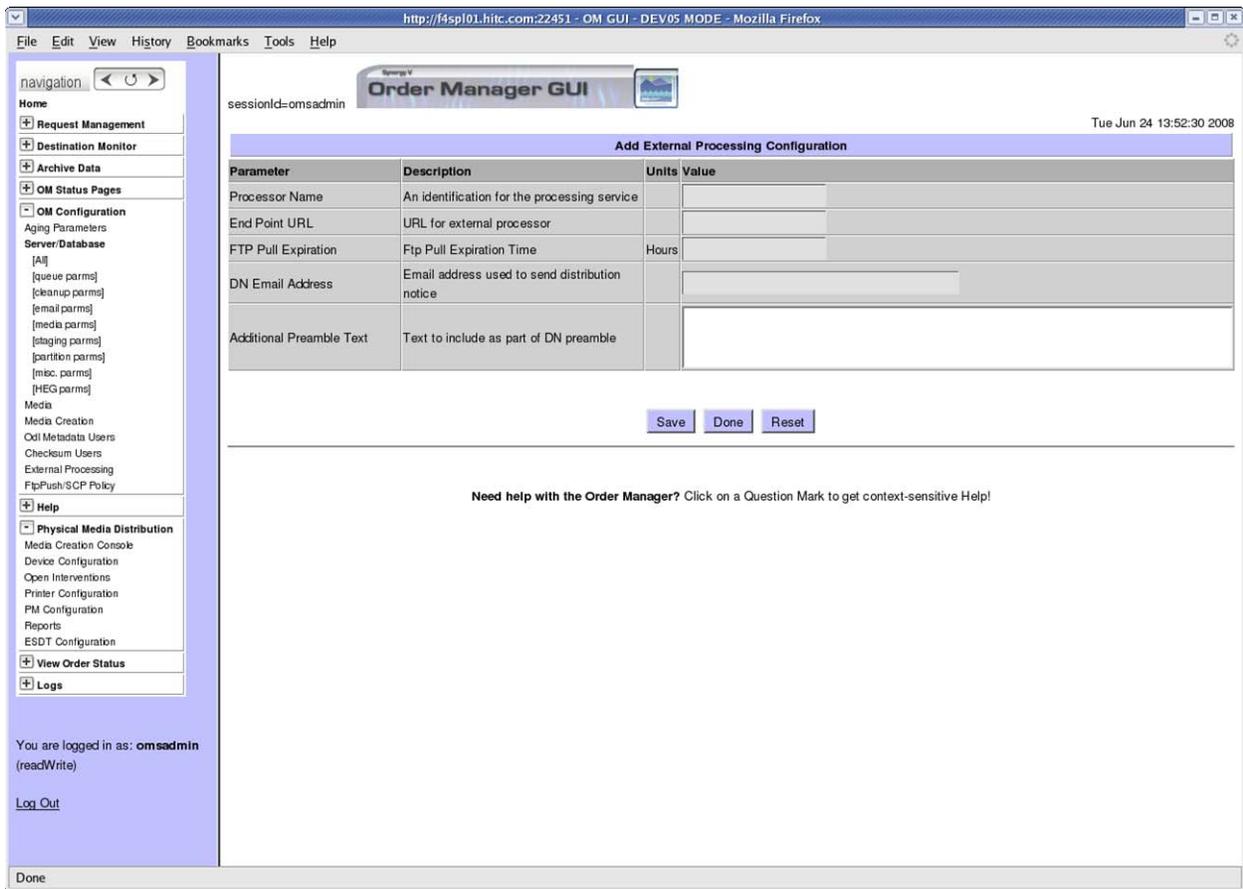


Figure 4.8.12-52. Add External Subsetting Configuration

Figure 4.8.12-52 allows an authorized operator to add a new external processing service using the parameters in Table 4.8.12-20.

Table 4.8.12-20. External Subsetting Configuration Parameters Descriptions

Parameter	Description
Processor name	A unique name for the external processing service
IP Address	Host IP address for external processing service as configured in the ECS registry
Port number	Port number for external processing service as configured in the ECS registry
DN email address	DN Email address used by the external processing service
Ftp pull expiration	Ftp pull expiration time (Not to exceed the normal FTP Pull order expiration time). The unit is hours.
Additional preamble file	Operator types the text directly in the text box which will be included as part of the preamble in any distribution notices sent to users after completing the distribution of the request for this subsetter

View/ Edit External Subsetting Configuration

The screenshot shows the Order Manager GUI in a Mozilla Firefox browser window. The address bar shows the URL: http://f4sp101.hitc.com:22491 - OM GUI - DEV09 MODE - Mozilla Firefox. The page title is "Order Manager GUI". The session ID is "omsadmin". The date and time are "Tue Jun 24 14:01:25 2008".

The main content area is titled "Edit External Processing Configuration". It contains a table with the following data:

Parameter	Description	Units	Value
Processor Name	An identification for the processing service		Subsetter1
End Point URL	URL for external processor		155.157.31.115:21000
FTP Pull Expiration	Ftp Pull Expiration Time	Hours	1
DN Email Address	Email address used to send distribution notice		cmdev09@eos.hitc.com
Additional Preamble Text	Text to include as part of DN preamble		test

Below the table are three buttons: "Save", "Done", and "Reset".

At the bottom of the page, there is a message: "Need help with the Order Manager? Click on a Question Mark to get context-sensitive Help!"

The left sidebar contains a navigation menu with the following items: Home, Request Management, Destination Monitor, Archive Data, OM Status Pages, OM Configuration, Aging Parameters, Server/Database, [All], [queue parms], [cleanup parms], [email parms], [media parms], [staging parms], [partition parms], [misc. parms], [HEG parms], Media, Media Creation, Odi Metadata Users, Checksum Users, External Processing, FtpPush/SCP Policy, Help, Physical Media Distribution, View Order Status, and Logs.

At the bottom of the sidebar, it says: "You are logged in as: omsadmin (readWrite)" and "Log Out".

Figure 4.8.12-53. View/ Edit External Subsetting Configuration

Figure 4.8.12-53 allows the authorized operator either view or edit the existing external processing service configuration. Processor Name does not allow to be edited.

4.8.12.6.2 FTP Push / SCP Policy Configuration

Note: Limited Capability operators are limited to viewing FTP Push / SCP Policy configuration only. They cannot edit, add, or delete destinations.

This page can be accessed by clicking “FTP Push / SCP Policy” under the **OM Configuration** menu. This page allows the full-capability operators to define and configure the fine-tuning parameters of an FTP Push / SCP destination.

Frequently Used vs. Non-configured Destinations

All FTP Push destinations belong to either the Frequently Used group, or the general non-configured group and all SCP destinations belong to the Frequently used group. All FTP Push destinations not specifically defined as a Frequently Used destination are configured on the front page (see Figure 4.8.12-54) under “Settings for Non-Configured Destinations”. These settings also serve as default values for new destinations.

The screenshot shows the 'Order Manager GUI' interface for 'FtpPush / SCP Policy Configuration'. The browser address bar shows 'http://f4spl01.hitc.com:22431 - OM GUI - DEV03 MODE - Mozilla Firefox'. The page title is 'FtpPush / SCP Policy Configuration'. The left sidebar contains navigation links such as 'Request Management', 'Destination Monitor', 'Archive Data', and 'OM Configuration'. The main content area is divided into two sections: 'Global Settings for All Destinations' and 'Settings for Non-Configured Destinations (Only apply to FtpPush destination)'. The 'Global Settings' section includes fields for 'FtpPush Max Operations' (10) and 'Max. SCP Failures' (5). The 'Non-Configured Settings' section includes fields for 'RHW: 100', 'Time Out: 300', 'DHWM: 1000', 'Min. Throughput: 1', 'DLWM: 2', 'Max. Operations: 5', 'Retry Mode: Automatic', and 'Retry Interval: 20'. Below these settings is a table titled 'Frequently Used Destinations' with columns for Destination Name (Alias), Del, Media Type, Host Address, Destination Directory, and Retry Mode. The table lists six destinations, including 'General SCP', 'TEST SCP', 'TOMR SCP', 'f4ell01-SCP', 'f4ell01-spc', and 'origin_push_dest'. At the bottom of the page, there is a link to 'Need help with the Order Manager?'.

Figure 4.8.12-54. FtpPush/SCP Policy Configuration (Main Page)

Global Settings for All Ftp Push / SCP Destinations

These are two parameters that apply to all destinations regardless of their individual settings: Max Operations and Max Failures for FtpPush and SCP, respectively. Non-configured destination settings only apply to FtpPush destinations.

Adding a Destination

Click on the “Add a Destination” button under the Frequently Used Destinations section of the main page. This will open up a page, shown in Figure 4.8.12-55, which will allow the operator to define and configure a destination for either FtpPush or SCP. A destination must already exist (i.e., it must be a destination that is currently in use by one or more Orders).

The definition of a destination is:

- a) Name (Alias): A descriptive name or handle by which the destination can be easily identified. Aliases must be unique.
- b) Target Directory: The directory on the remote host to which files will be pushed.
- c) Host/IP Address: The remote machine name or IP address.
- d) Media Type: FtpPush or scp

The combination of these attributes constitutes a Frequently Used Destination. All destinations *must* have exclusive attributes and an exclusive Alias.

The configuration parameters for the destination are already preloaded with default values from the non-configured destinations (only apply to FtpPush). The configuration parameters are described in Table 4.8.12-21.

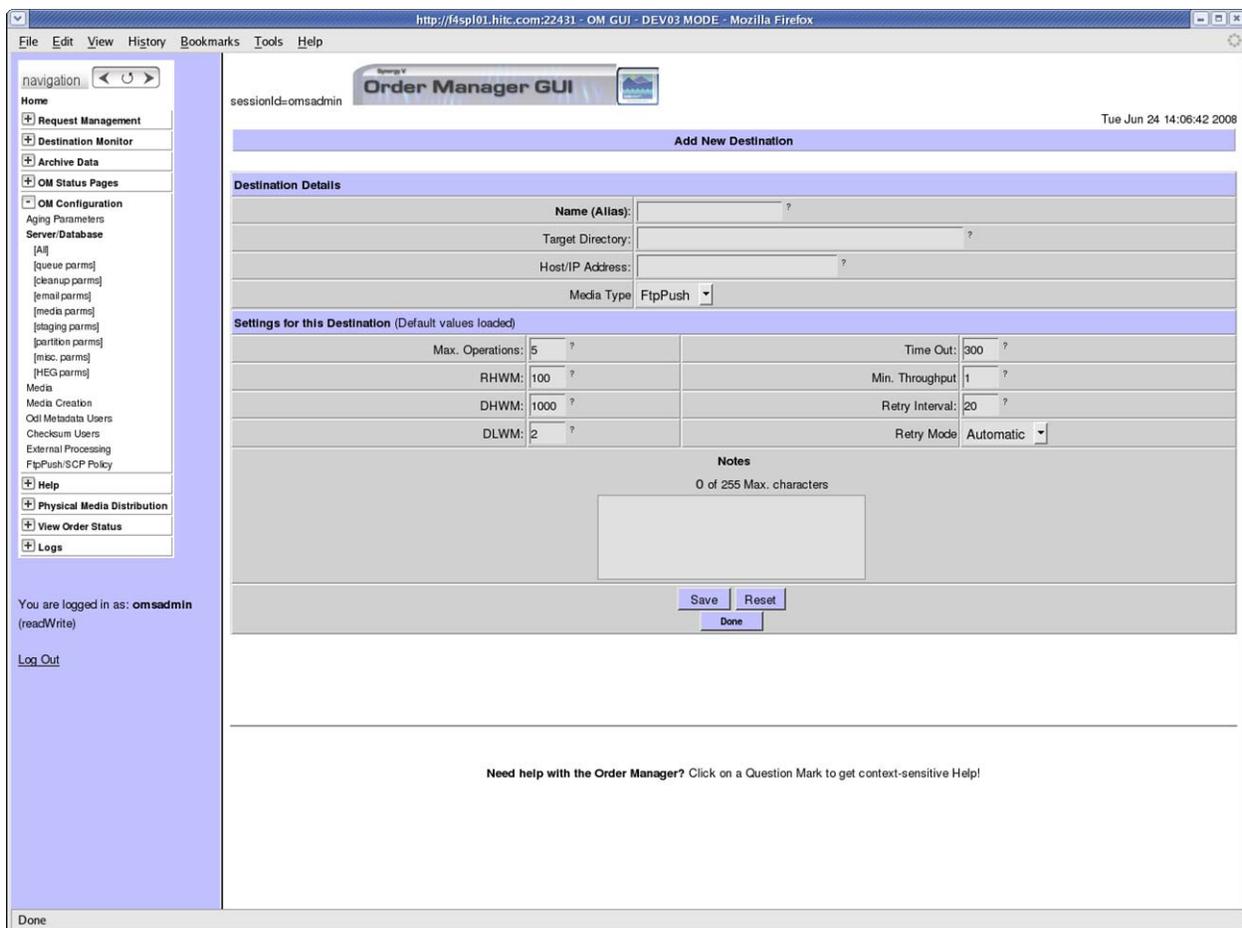


Figure 4.8.12-55. FtpPush/SCP Policy Configuration: Add New Destination

Configuring a Destination

To configure a defined Frequently Used Destination, click on the Destination Name on the main FtpPush/SCP Policy Configuration Page. This will display the details of the configuration for that destination, as shown in Figure 4.8.12-56. From there, you can modify the destination attributes (Target Directory, Host/IP Address) and the configuration parameters for that destination. The (Name (Alias) field cannot be modified. Once you are finished, click “Save” at the bottom of the screen. Click “Done” to move back to the main FtpPush/SCP Policy Configuration page. **Note:** The “Done” button will *not* save any changes made to the destination – always click “Save”.

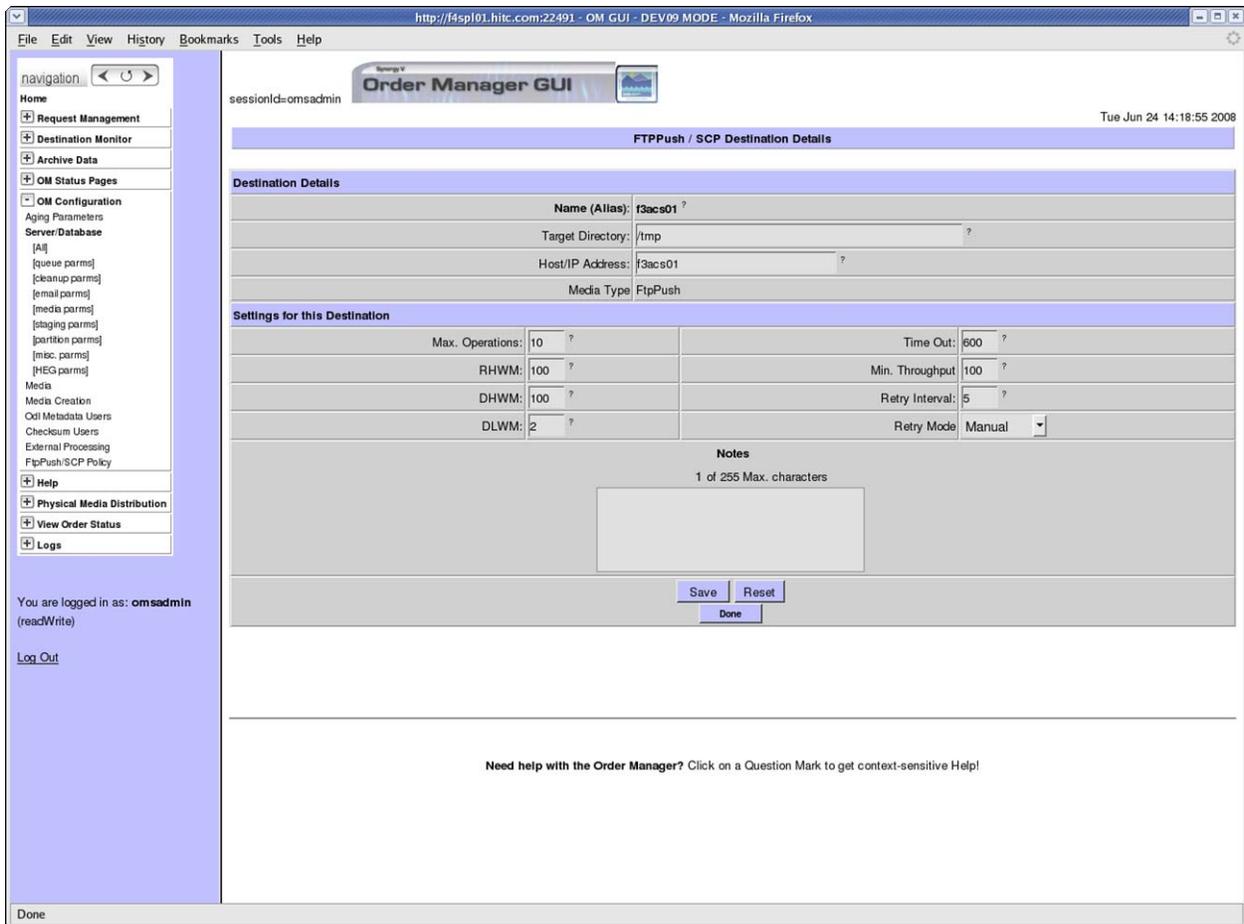


Figure 4.8.12-56. FtpPush Policy Configuration: FtpPush Destination Detail

Removing a Destination

To remove a destination from the Frequently Used Destination group, go to the main FtpPush/SCP Policy Configuration page (see Figure 4.8.12-54) and select the destination you wish to delete by checking the box next to the destination name in the Del column. Once you have selected the destinations you wish to remove, click on “Delete Selected Destinations” at the bottom of the screen. You will be prompted for confirmation.

Removing a destination does not actually delete the destination. Rather, it moves that destination to the non-configured group and erases its individual configuration parameters.

Table 4.8.12-21. FtpPush/SCP Policy Configuration Parameters

Parameter	Scope	Data Type	Description
Max Operations	Global	Int	The maximum number of concurrent FTP Push Operations for <i>all</i> destinations added together.
Max. FTP Failures	Global	Int	The maximum number of consecutive FTP transfer failures for any destination, which, when exceeded, causes the suspension of that destination.
Max. SCP Operations	Global	Int	The maximum number of concurrent SCP Operations for all destinations added together.
Max. SCP Failures	Global	Int	The maximum number of consecutive SCP transfer failures for any destination, which, when exceeded, causes the suspension of that destination.
RHWM	Destination	Int	Request High Watermark: The desired maximum number of requests that may be in the Staging state, or that completed staging but is not in a terminal state (such as Shipped).
DHWM	Destination	Float	Data High Watermark: The maximum volume of data in staging or already staged but not yet pushed.
DLWM	Destination	Float	Data Low Watermark: The minimum volume of data in staging or already staged but not yet pushed.
Time Out	Destination	Int	An extra time allotment that is applied to the expected throughput, such that: expected throughput = min. throughput + timeout.
Min. Throughput	Destination	Float	The minimum data throughput in MB/sec for a particular destination.
Max. Operations	Destination	Int	The maximum number of concurrent FTP Push Operations for a particular destination (exclusive of but subject to the global Max Operations).
Retry Interval	Destination	Int	The waiting period, in minutes, before FTP Push operations for a suspended destination are automatically retried.
Retry Mode	Destination	n/a	Specifies whether this destination should retry automatically or manually. For Non-Configured Destinations, this is always Automatic.

A Note on High and Low Watermarks

Generally, it is ideal to try to keep the amount of work that is in staging or staged just below the high water mark of each output queue. This achieves a good balance among FTP output connections.

The Data and Request High watermarks can be exceeded in the interest of optimizing the use of the archive drives or to get high priority work through distribution quickly. For example, an idle archive would be dispatched even if this means the DHWM or RHWM would be exceeded.

4.8.12.7 Physical Media Distribution

The OMS GUI handles all operator interaction aspects of the distribution of physical media.

The OMS GUI will not directly interface with the UNIX system or even the OMS server itself. Actions and dispositions will be set in the OMS database and the OMS Server will retrieve those actions and execute them.

Media Creation Terminology

In the context of physical media distribution, this document uses the term “Luminex” when media device behavior is implementation specific, and “CD/DVD” when the behavior is unlikely to change in the event that Luminex is replaced in the future.

The acronym PMD will be used in the OMS GUI, as well as in this document to refer to Physical Media Distribution.

4.8.12.7.1 PMD Interventions

Errors with Physical Media Distribution will be handled much in the same way that Interventions for Distribution Requests are handled. An Operator Intervention will be generated by the OMS Server, which will be displayed in the OMS GUI Open Interventions Listing. A separate Open Interventions page under the “Physical Media Distribution” menu lists only Interventions related to PMD errors. See Figure 4.8.12-57.

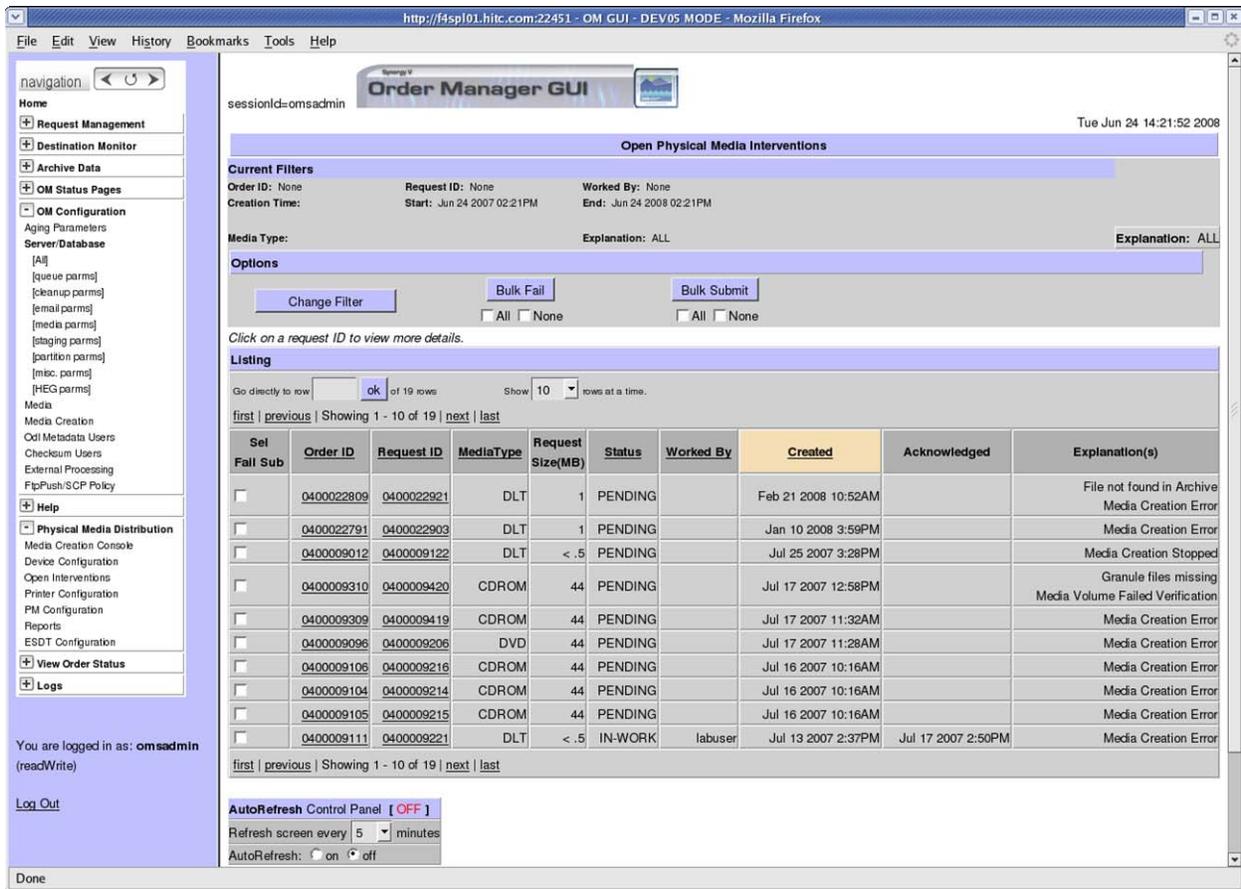


Figure 4.8.12-57. PMD Intervention Listing Page

4.8.12.7.2 PMD Intervention Detail

The Intervention Detail screen, as shown in Figure 4.8.12-57, will display all the usual detailed information about the Request, except that, because this is a request for physical media creation, certain attributes will be significantly different. These differences include:

- A volumes list is displayed in place of the granule list. The operator may view the granules in each volume by clicking on a tab indicating the number of granules, e.g. "14 granules..."
- The operator may change the status of certain volumes according to the type of intervention and the current state of the volume (see Section 4.8.12.6.2.2)
- The operator may fail certain eligible granules contained within a volume (upon doing this the request is then re-validated)
- The operator may apply dispositions unique to media distribution interventions (see Intervention Options below and Figure 4.8.12-58). Before the operator can apply an

intervention disposition, any pending dismount actions must be confirmed by clicking on the 'Dismount Volumes' button.

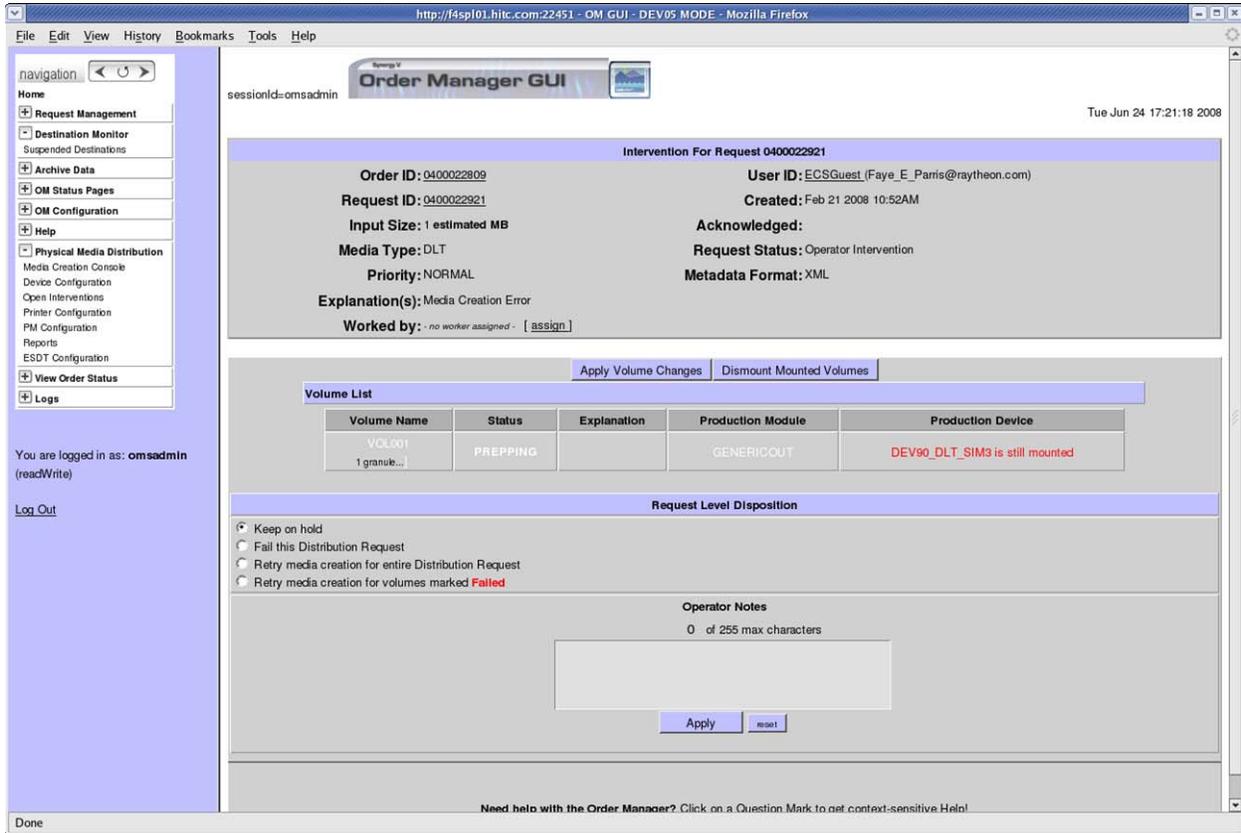


Figure 4.8.12-58. PMD Intervention Detail

Table 4.8.12-22. Dispositions and Meanings

Media Creation Request Dispositions	
Disposition	Meaning
Keep on hold	Saves the operator notes and keeps the intervention in the current state. No dispositions are applied.
Fail Request	Fails the Distribution Request.
Retry Entire Request	Resubmits the entire request as-is (after optionally failing or replacing optional granules).
Retry Failed Volumes	Resubmits only the volumes that failed processing.

4.8.12.7.2.2 PMD Interventions: Volumes

The granule list for a PMD Intervention is replaced by a volume list. This is a list of the predetermined volumes for a media distribution request created by the OMS Server.

A volume is considered as “Failed” if any one the granules contained therein is failed. To correct a volume, the operator must fail the affected granules in that volume.

Viewing Granules for a Volume

Click on the [*N* granules...] tab (*N* meaning number of granules for that volume). A pop-up window will be displayed showing a list of all the granules that will be written for that volume, as shown in Figure 4.8.12-59. The operator may fail a granule if its status is SKIPPED or FAILED. Multiple Granule Windows may be opened concurrently and will be cascaded for easy management.

Changing Volume Status

The operator may change the status of certain volumes according to the following conditions:

For a Media Creation Error (see Figure 4.8.12.60):

- If the volume is marked **FAILED**, it may be changed to **CREATED**
- Likewise, if the volume is marked **CREATED**, it may be changed to **FAILED**
- If no status yet exists for a volume, no change is possible

For a QC Error (see Figures 4.8.12-61 through 4.8.12-63):

- If the volume is marked **FAILED**, it may be changed to
 - **VERIFIED** or
 - **CREATED**
- If the volume is marked **VERIFIED**, it may be changed to
 - **FAILED** or
 - **CREATED**
- If the volume is marked **CREATED**, it may be changed to
 - **VERIFIED** or
 - **FAILED**
- If no status yet exists for a volume, no change is possible

If the operator fails a granule in a volume (Figure 4.8.12-64), that granule is removed from the volume and will no longer be shown. It is also marked as FAILED in the request record and is still kept as part of the request. However it will not make it to distribution.

http://f4spl01.hitc.com:22451 - OM GUI - DEV05 MODE - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Intervention For Request 0400009420

Order ID: 0400009310 User ID: ECSGuest (Sharon_Shen@raytheon.com)
 Request ID: 0400009420 Created: Jul 17 2007 12:58PM
 Input Size: 44 estimated MB Acknowledged:
 Media Type: CDROM Request Status: Operator Intervention
 Priority: NORMAL Metadata Format: ODL

Error Report: Printer bw-1151 is configured to automatically print a QC report.

sessionId=omsadmin close window

Granule List for Volume VOL001 of Request 0400009420

Warning! A Worker has not been assigned to this intervention. Please assign a worker if you intend to fail any granules.

Granule List

Go directly to row of 4 rows Show 20 rows at a time.

first | previous | Showing 1 - 4 of 4 | next | last

GranuleId	DPL ID	ESDT	Type	In Size (MB)	Out Size (MB)	Status	Explanation	Action
17524	106901	MOD29.086	SC	11.000		FAILED	Granule files missing <i>Manual fail required</i>	Fail <input type="checkbox"/>
17514	106893	MOD29.086	SC	11.000		FAILED	Granule files missing <i>Manual fail required</i>	Fail <input type="checkbox"/>
17615	106999	MOD29.086	SC	11.000		FAILED	Granule files missing <i>Manual fail required</i>	Fail <input type="checkbox"/>
17528	106913	MOD29.086	SC	11.000		FAILED	Granule files missing <i>Manual fail required</i>	Fail <input type="checkbox"/>

Done

Apply reset

Need help with the Order Manager? Click on a Question Mark to get context-sensitive Help!

Done

navigation: Home

- Request Management
- Destination Monitor
- Archive Data
- OM Status Pages
- OM Configuration
 - Aging Parameters
 - Server Database
 - [All]
 - [queue parms]
 - [cleanup parms]
 - [email parms]
 - [media parms]
 - [staging parms]
 - [partition parms]
 - [misc. parms]
 - [HEC parms]
 - Media
 - Media Creation
 - ODL Metadata Users
 - Checksum Users
 - External Processing
 - FtpPush/SCP Policy
- Help
 - Physical Media Distribution
 - Media Creation Console
 - Device Configuration
 - Open Interventions
 - Printer Configuration
 - FM Configuration
 - Reports
 - ESDT Configuration
- View Order Status
- Logs

You are logged in as: omsadmin (readWrite)

Log Out

Figure 4.8.12-59. Request Granule List Popup

OM GUI - DEV02 MODE - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

navigation

Home

Request Management

- Open Interventions
- HEG Interventions
- Completed Actions & Interventions
- Distribution Requests
- FtpPush Requests
- Staging Requests
- Operator Alerts

FtpPush Monitor

Archive Data

OM Status Pages

OM Configuration

Help

Physical Media

Distribution

- Media Creation Console
- Device Configuration
- Open Interventions
- Printer Configuration
- PM Configuration
- Reports

Logs

You are logged in as: hpatel (readWrite)

Log Out

Order Manager GUI

The OMS Server is running in S4 mode.

Mon Nov 14 21:43:26 2005

Intervention For Request 0300009452

Order ID: 0300009073 User ID: ECSGuest_Donna_G_Copeland@raytheon.com

Request ID: 0300009452 Created: Nov 14 2005 9:31PM

Input Size: 444 estimated MB Acknowledged:

Media Type: DLT Request Status: Operator Intervention

Priority: XPRESS

Explanation(s): Media Creation Stopped

Worked by: -no worker assigned - [assign]

Apply Volume Changes Dismount Mounted Volumes

Volume List

Volume Name	Status	Change To...	Explanation	Production Module	Production Device
VOL001 1 granule...]	CREATED	<input type="checkbox"/> FAILED		MODISOUT	BVDLT1 is still mounted
VOL002 1 granule...]	FAILED	<input type="checkbox"/> CREATED	Failed by Operator	MODISOUT	BVDLT2
VOL003 1 granule...]	FAILED	<input type="checkbox"/> CREATED	Failed by Operator	MODISOUT	Donna_DLT1
VOL004 1 granule...]	FAILED	<input type="checkbox"/> CREATED	Failed by Operator	MODISOUT	Donna_DLT2
VOL005 1 granule...]	CREATED	<input type="checkbox"/> FAILED		MODISOUT	BVDLT1

Request Level Disposition

- Keep on hold
- Fail this Distribution Request
- Retry media creation for entire Distribution Request
- Retry media creation for volumes marked **Failed**

Operator Notes

0 of 255 max characters

Apply reset

http://fodps01.hitc.com:22421/cgi-bin/EcOmGuiNav.pl#

Figure 4.8.12-60. Volume List for Media Creation Error

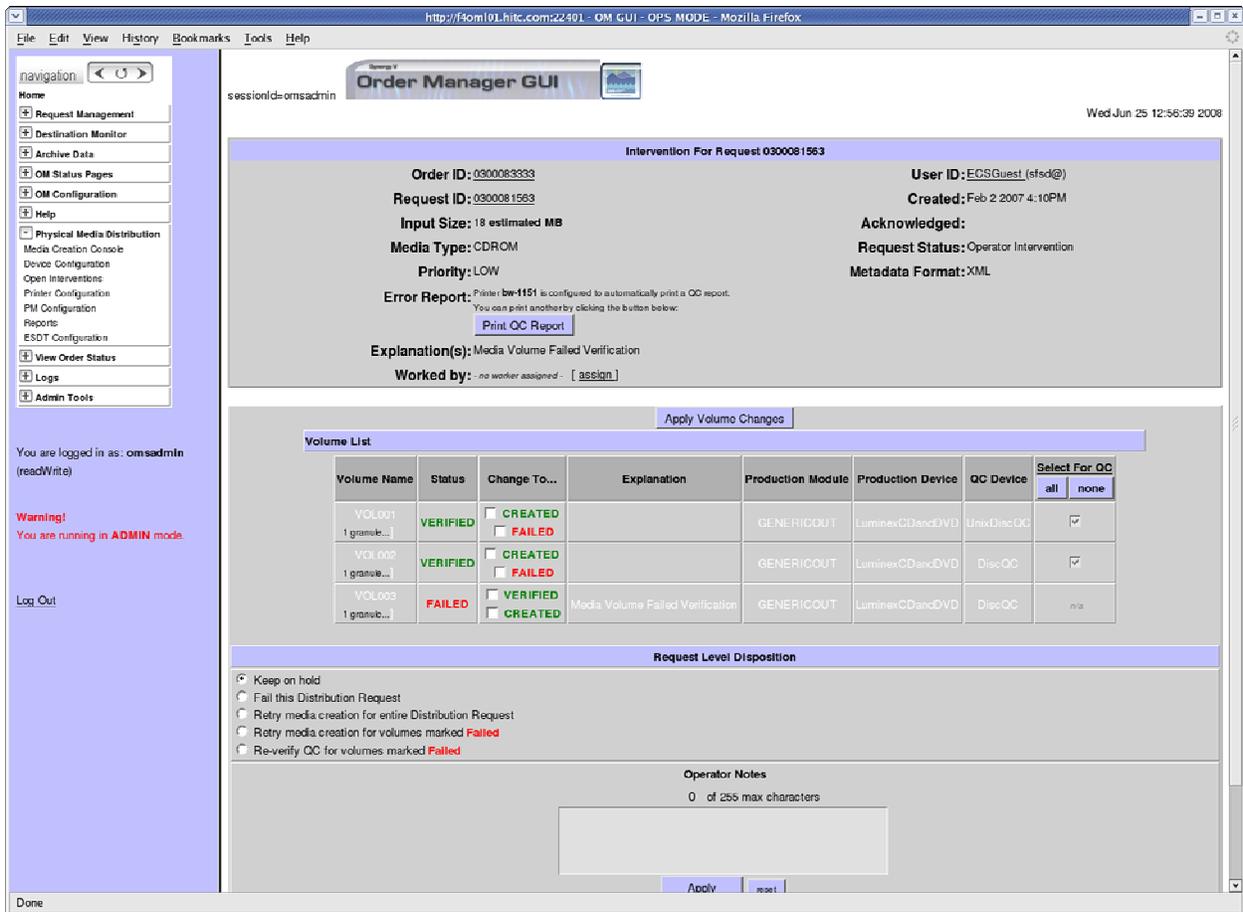


Figure 4.8.12-61. Volume List for QC Intervention



Figure 4.8.12-62. Re-verify QC for Volumes Marked Failed

Note: The red arrow indicates that only the volumes marked “Failed” will be re-verified.

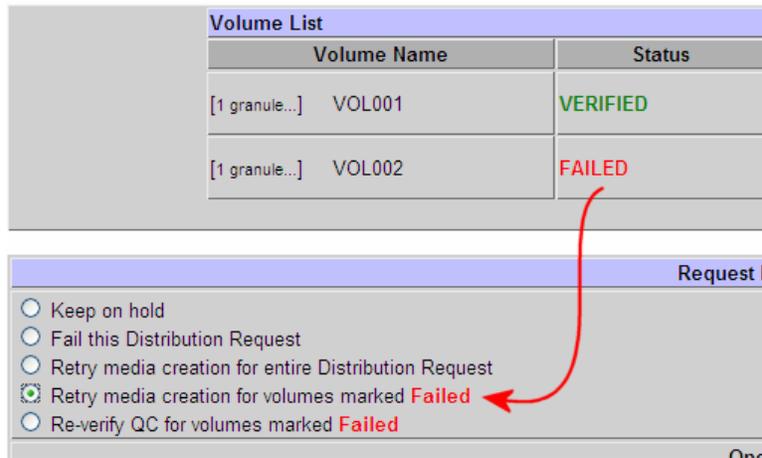


Figure 4.8.12-63. Retry Media Creation for Volumes Marked Failed

Note: The red arrow indicates that only the volumes marked “Failed” will be retried

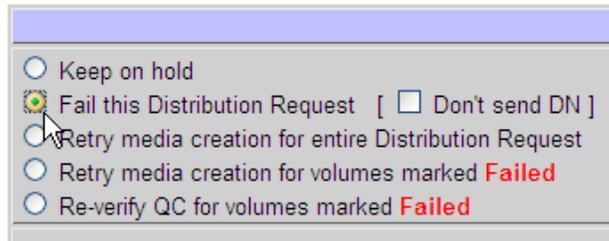


Figure 4.8.12-64. Fail Distribution Request

Note: A “Don’t send DN” checkbox appears when this option is selected

4.8.12.7.2.3 PMD Interventions: Disposition Options

Depending on the type of intervention, the operator will be offered with several Disposition options. The following rules in Table 4.8.12-23 determine which disposition options will be offered and what they mean.

Table 4.8.12-23. Dispositions and Meanings

Media Creation Errors	
Disposition	Meaning
Keep on hold	Saves the operator notes and keeps the intervention in the current state. No dispositions are applied.
Fail this Distribution Request	Cancels the Media Creation request and Fails the Distribution Request. The operator is prompted to check the “Don’t send DN” box if so desired as shown in Figure 4.8.12-53 .
Retry media creation for entire Distribution Request	Restarts creation of <i>all</i> media volumes. Does not go back through validation.
Retry media creation for volumes marked Failed	Restarts creation of any media volumes marked FAILED (see Figure 4.8.12-52). If it is desired to retry another volume not already marked FAILED , the operator may manually fail any eligible volume and then apply the disposition.
QC Failures	
<i>In addition to all of the dispositions listed above, the following is offered:</i>	
Re-verify QC for volumes marked Failed	Retries the QC operation for any volumes marked Failed (see Figure 4.8.12-51). If it is desired to re-verify another volume not automatically marked Failed , the operator may manually fail any eligible volume and then apply the disposition.

4.8.12.7.2.4 PMD Interventions: Device Allocation and Dismounts

When a PMD request for DLT(tape) media creation goes into Intervention, the devices allocated for that request are *not* automatically freed up – they are still considered occupied by that request. If the operator wants the devices to be available for other requests while the Intervention is placed on hold (or for any other reason), the operator should free the devices by confirming the dismount of volumes still allocated to devices. This can be done by clicking the ‘Dismount Volumes’ button above the volume list (see Figure 4.8.12-62). Note that for CD/DVD requests, the device allocation is handled automatically and the operator cannot manually deallocate a device.

4.8.12.7.3 Device Configuration Page

The OMS GUI handles the configuration and maintenance of all devices used in physical media creation. Devices may be added and edited, but not deleted; device deletion is an uncommon occurrence and must be done manually in the database. The **Device Configuration** page under the Physical Media Distribution menu displays all the currently configured devices, specifically:

- The Device Label (clicking on the label displays the device detail page)
 - The device description is also displayed in this column, but it is hidden. The operator may click on the (i) icon in front of the device label to toggle the display of the description.
- The current Request and volume occupying the device

- This is only applicable to tape and QC devices. It is not possible to know the current request for a CD/DVD production device.
- The media type associated with the device
 - CD/DVD production devices may have one or two media types, DVD, CDROM, or both.
- The Mode for which the device is reserved
 - A device can be used by one or all modes
- The Mode by which the device is actually being used
 - This is only applicable to a device that is available for all modes. At any one time, the device may be in use by any available mode
- The FREE or BUSY status of the device.
 - A device is considered **BUSY** if it is occupied by a Media Distribution request
 - A device is considered **FREE** if there is no Request allocated to it
 - A CD/DVD production device is *not* marked FREE or BUSY. It can, however reach its **Allocated** and/or **Actual Workload Limit** at which point no requests may be allocated to the device
- The device's On-Line status (off-line or on-line)
 - If the device is off-line, the reason, if any, is displayed in the "Off-Line" reason column

Sorting and Filtering the Device List

The list of devices is already grouped by purpose (Production, QC, and Production/QC) as shown in Figure 4.8.12-65. The list can be additionally filtered by media type, device status, and on-line status by selecting the filters at the top of the page.

Luminex Device Load Indicators

For CD/DVD production devices, the Device Configuration page gives the operator a quick visual indicator of the load for the device. It displays two graphs for each device based on two values: The **Allocated Workload Limit** and the **Actual Workload Limit**. The graphs (see Figure 4.8.12-65) show the percentage of each limit that has been reached for that particular device.

sessionId=omsadmin Tue Jun 24 14:34:07 2008

Physical Media Distribution: Device Configuration

Add New Device...

Filter: -- media type -- -- online status -- -- device status -- Apply Clear

Device Label	Current Request [Volume]	Media Type	Reserved For Mode	Used By Mode	Device Status	Online Status	Offline Reason
Production devices							
① sfdt - sfdt#		CDROM (LUMINEX)				on-line	
① FAKECDROM-DELETE		CDROM				on-line	
① JAMES_TEST - PLEASE REMOVE ME!!		CDROM (LUMINEX)	DEV02			on-line	
① cdrom1		CDROM (LUMINEX)				on-line	
① sdtg		CDROM				on-line	
① Lumindex7100		CDROM, DVD (LUMINEX)				on-line	
① LumindexOLD - This is a test of th...		CDROM, DVD (LUMINEX)				on-line	
① LumindexSim - Simulated CD/DVD dev...		CDROM, DVD (LUMINEX)				on-line	
① Rimage		CDROM, DVD (LUMINEX)	TS2			on-line	
① DEV03testDLT		DLT	DEV03		FREE	on-line	
① cxb - ffdtd		DVD	DEV06			on-line	
① gh		DVD (LUMINEX)				on-line	
QC devices							
① fgh		CDROM			FREE	on-line	
① fg		CDROM			FREE	on-line	
① DiscQC		CDROM, DVD			FREE	on-line	
① DiscQC2		CDROM, DVD			FREE	on-line	
① DiscQC2Sim		CDROM, DVD			FREE	on-line	
① UnixDiscQC		CDROM, DVD			FREE	on-line	
① gh hj		CDROM, DVD			FREE	on-line	
① nh hl		CDROM, DVD			FREE	on-line	

http://f4spl01.hitc.com:22451/cgi-bin/EcOmGuiPmdDeviceConfig.pl?sessionId=omsadmin

Figure 4.8.12-65. Device Configuration Page

4.8.12.7.3.1 Changing a Device's On-Line Status

To take a device off-line, the operator may click on the colored button to toggle its status. A pop-up window will be displayed asking for an explanation for taking the device off-line (it is not required).

If the device is currently busy, the request occupying it will be completed before being marked off-line (see Figure 4.8.12-66). The operator may also “force” the device to be freed up on the device detail page (see Section 4.8.12.6.4).



Figure 4.8.12-66. Taking a Device Off-Line (pop-up window)

4.8.12.7.4 Device Configuration Detail

To view and change any device's current configuration, click on the [edit...] link next to the device label. This displays the device detail page as shown in Figure 4.8.12-68. An authorized operator may change any of these parameters, including the media type. The only attribute that cannot be changed is the device purpose (i.e., Production, Verification, or Both).

CD/DVD Production (LUMINEX) Devices

Note: In this section, "Luminex" is used to describe features that were added specifically for the Luminex implementation. "CD/DVD Production Device" is used otherwise.

These devices have several additional parameters:

Allocated Workload Limit and **Actual Workload Limit** control the maximum amount of data that CD/DVD Production device can handle.

Serial Order Preparation controls whether or not multiple volumes for a device will be prepared concurrently or serially in order. By Selecting Serial Order Preparation, the potential throughput of the CD/DVD production device is reduced, but it is more likely that the discs will be produced in order.

Media Creation Job Limit controls the maximum number of jobs that can be concurrently processed on the Luminex device. This should be the number of drives that the Luminex unit has.

Also, since CD/DVD production devices can't be marked BUSY, the device status will not be shown.

Forcing a Device to be Free

In rare cases, a busy device may need to be freed up while the device is still occupied by the request. This button would appear next to the Device Status indicator on the device detail page. Certain conditions however must be met for this button to appear on the page:

- The device must be BUSY
- The device must be on-line
- The device's "Used By" mode must be same as the current operational mode.
 - *For example, if the GUI is running in TSI mode, it cannot free a device that is in use by OPS mode, even though the operator can see the device on the page. This is because the OPS database does not know about requests in TSI, and vice versa. Only the device is shared across modes.*
- The device must be actively processing a request, i.e., it must be occupied by a request ID
- The Request occupying the device cannot be in TRASFERRING or QC-HOLD state.

If the device is eligible to be freed, the OMS server will deallocate it from its current request, regardless of the request's current state as shown in Figure 4.8.12-67.

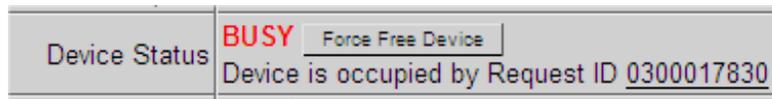


Figure 4.8.12-67. Force Free Device Button

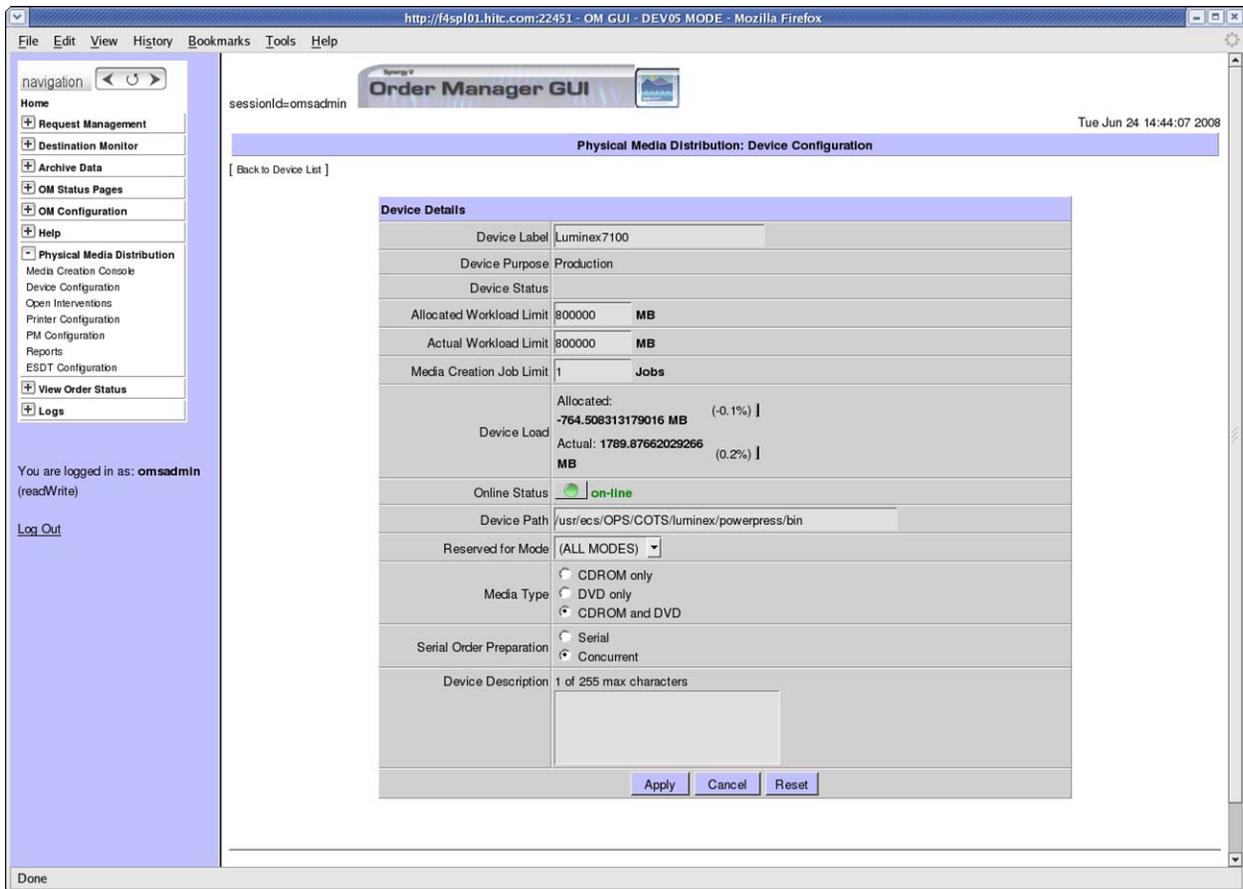


Figure 4.8.12-68. Device Detail Page for LUMINEX device

4.8.12.7.4.1 Adding Devices

A device can be added by clicking “Add New Device”. The operator will be prompted through a set of options that determine the exact type of device to configure, starting with the device’s purpose. Since certain types of devices can only be used for specific purposes, the configuration paradigm must follow a hierarchy (see Figure 4.8.12-69).

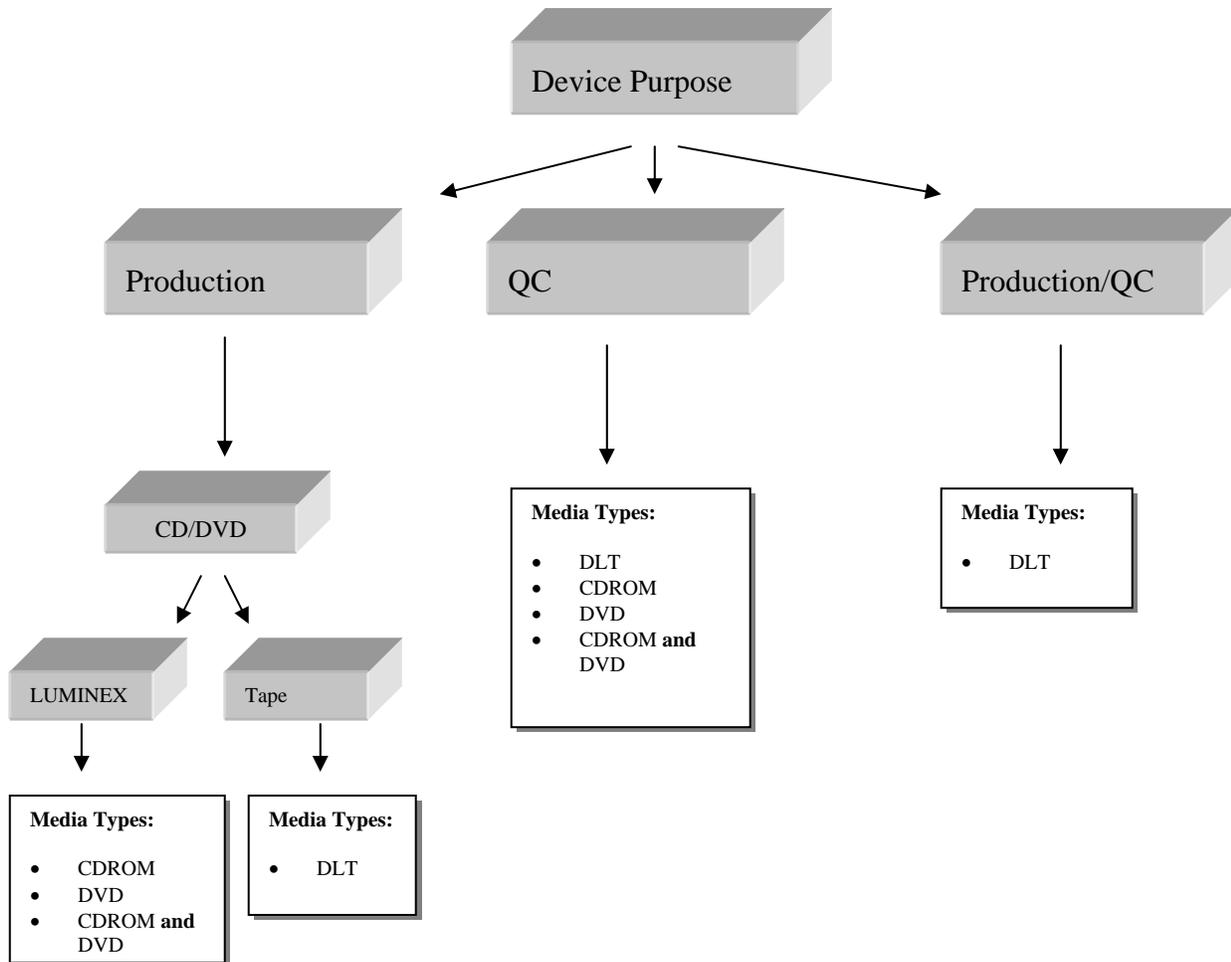


Figure 4.8.12-69. Device Creation Hierarchy

Production Devices

Production devices can be either CD/DVD (LUMINEX) or tape devices (DLT). LUMINEX does not handle verification, and standalone CDROM and DVD devices cannot be used for production.

QC Devices

A verification device can be any media type as long as it is not a CD/DVD production device. A verification device is any standalone CDROM, DVD, or DLT device. Some Devices may also be able to read both CDROM and DVD.

Production/QC Devices

Because CD/DVD production devices cannot be used for verification and standalone CDROM or DVD devices cannot be used for production, the only media type that can be configured for both production *and* QC is DLT.

PC-Attached Devices

QC-only devices may be attached to a PC, in which case the operator must specify the drive letter as a single character, e.g. "E". This applies to adding a new device and configuring an existing one shown in Figure 4.8.12-70.

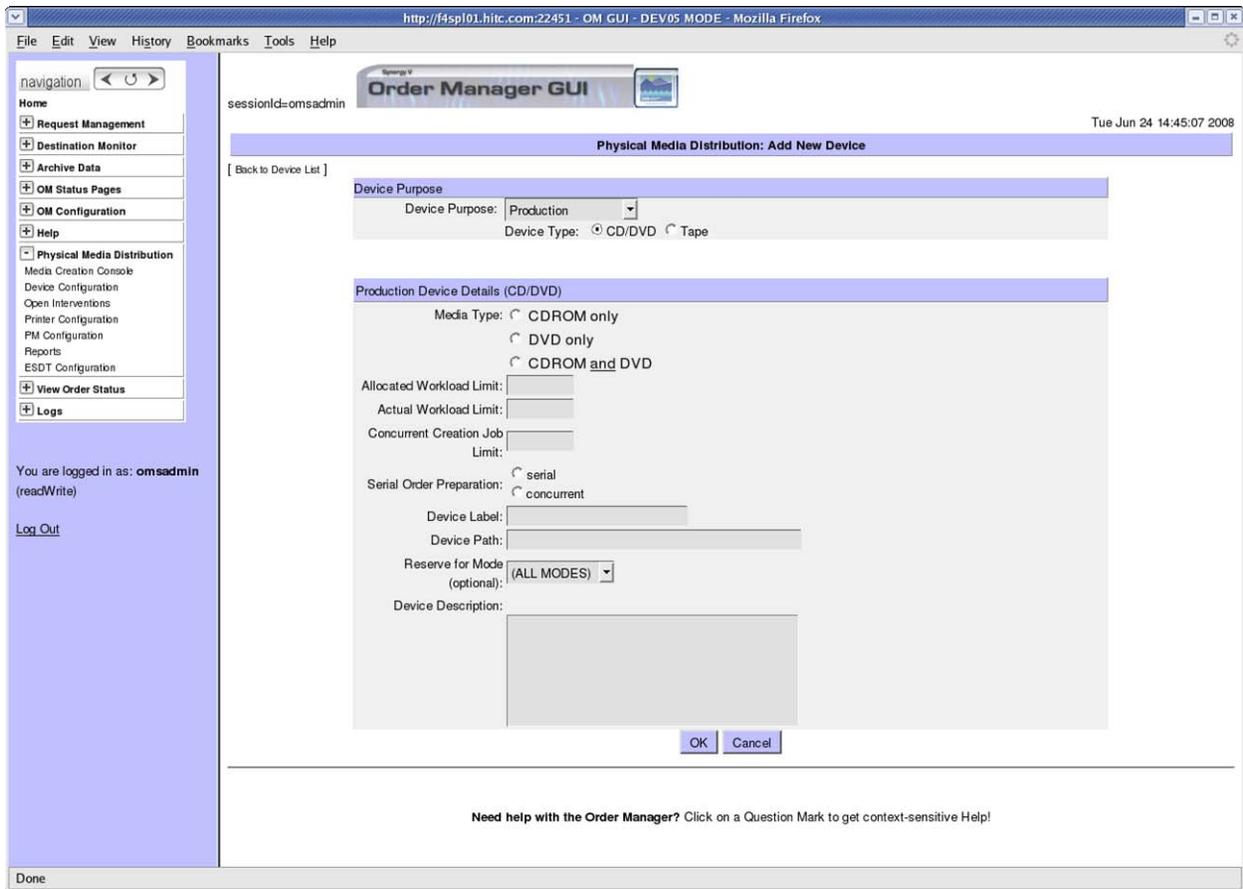


Figure 4.8.12-70. Adding a Luminex device

Figure 4.8.12-71 displays PMD reports page of PC-attached devices.

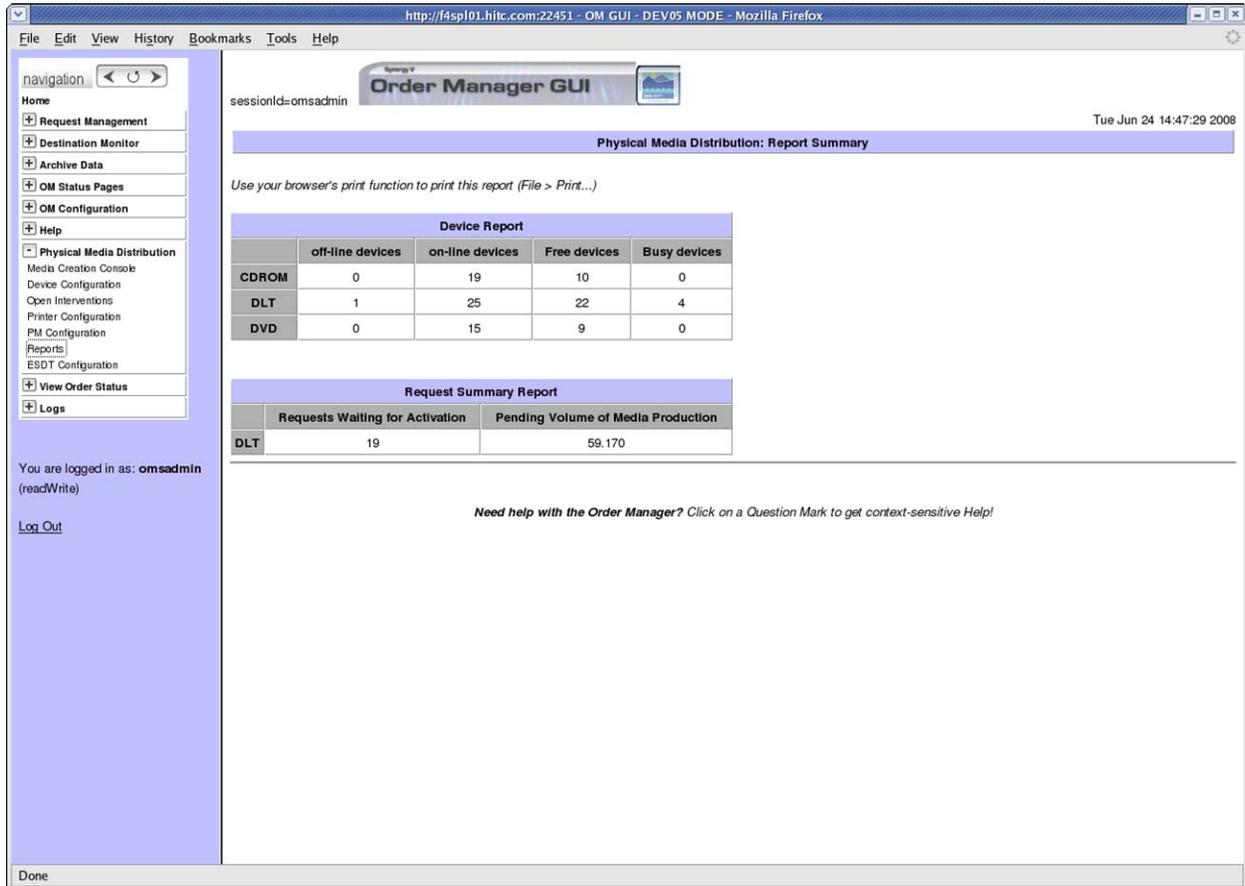


Figure 4.8.12-71. PMD Reports Page

4.8.12.7.5 PMD Printer Configuration

Printers used in the media production process can also be configured through the OMS GUI. These settings are stored in the OMS database, so the OMS GUI does not directly communicate with any of these printers.

Configurations Instructions

The Printer configuration page can be accessed by clicking the **Printer Configuration** link under the **Physical Media Distribution** menu, as shown in Figure 4.8.12-72.

The printer list is fixed; the types of printers cannot be modified, added, or deleted, as they are predefined in the OMS database. Only the Name and Network Info may be edited. To edit the information for a printer, click on the "edit..." button. A box appears at the top with that

printer's information loaded (see Figure 4.8.12-73). When you are done editing the information, click the Apply button. To close this box, click the "Cancel Edit" button.

In addition, the following options apply:

- Packing List printers:
 - The operator may set the **Always Print** or **Never Print** options
- QC Report printers
 - The operator may set the **Always Print**, **Never Print**, or **Print on QC Error Only** options.

The screenshot shows the Order Manager GUI interface. The browser address bar indicates the URL is `http://localhost:9999 - OM GUI - TS1 MODE - Mozilla Firefox`. The page title is "Physical Media Distribution: Printer Configuration". The table below contains the printer configuration data:

Name	Type	Network Info	Status	Options
edit... p0di109	Jewel Case			Never print ERROR: This printer has an option of "Never print" Only Packing List and QC printers are allowed to have these options!
edit... p0dih03	QC			Never print
edit... p0dih07	Tape Label			Never print ERROR: This printer has an option of "Never print" Only Packing List and QC printers are allowed to have these options!
edit... p0dih03	Packing List			Never print
edit... p0dih08	Shipping Label			Never print ERROR: This printer has an option of "Never print" Only Packing List and QC printers are allowed to have these options!

At the bottom of the page, there is a message: "Need help with the Order Manager? Click on a Question Mark to get context-sensitive Help!".

Figure 4.8.12-72. Printer Configuration Page

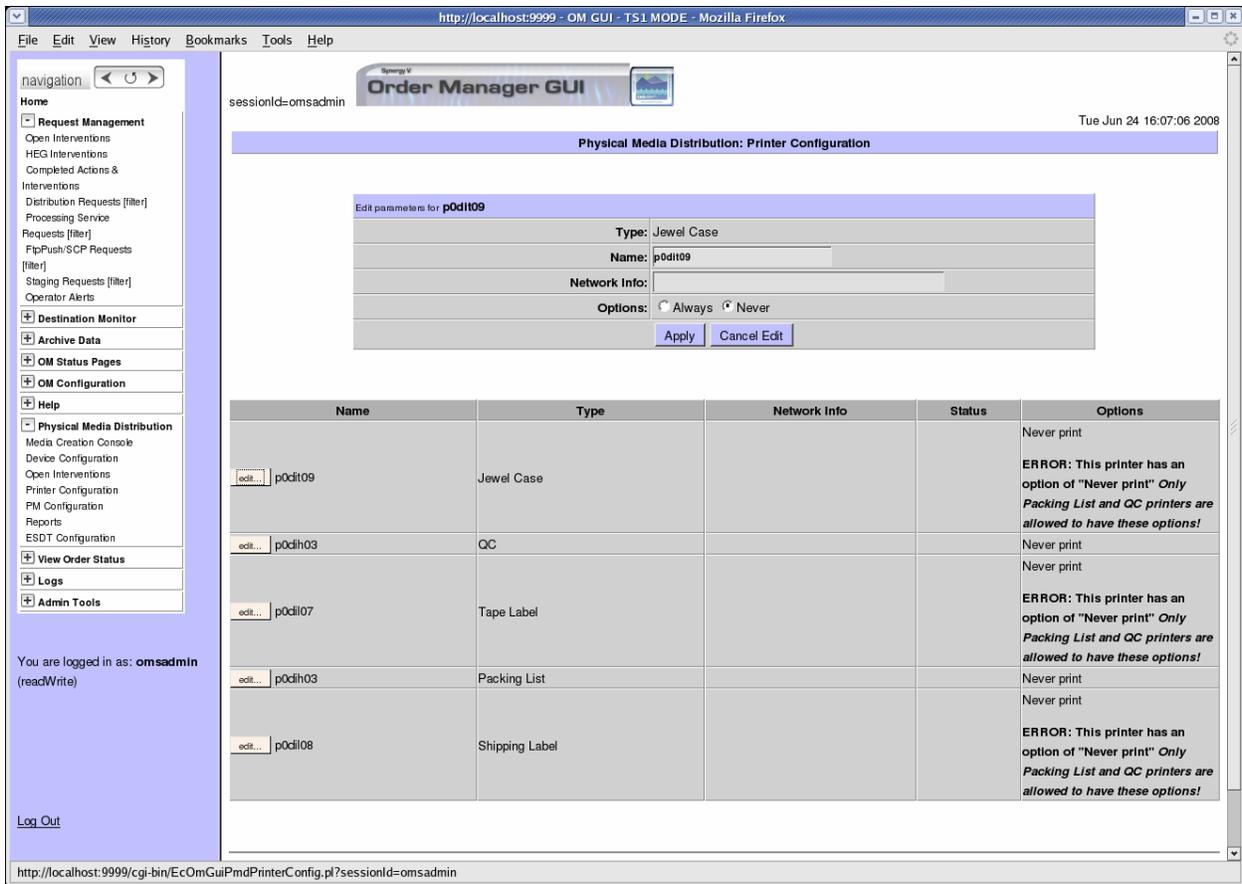


Figure 4.8.12-73. Printer Edit Box

4.8.12.7.6 Production Module Configuration

Please note that Limited Capability operators cannot add or delete production modules on this page.

The Production Module page can be accessed under the “Physical Media Distribution” menu, under “PM Configuration”.

This page lists the currently configured production modules and allows an authorized operator to update the configuration of an existing production module or add new production module information.

Existing Production Modules

This screen displays the existing production modules, as shown in Figure 4.8.12-74. All fields are text fields and may be edited by an authorized operator. To apply changes to any of the configuration parameters, click on the “Apply Changes” button for that module (each module has its own Apply button).

Default Production Module

The “default” radio buttons at the bottom of each Production Module box indicates that that production module will be used as the default. The operator may change the default Production Module by simply checking the “yes” for that module.

Adding a New Production Module

To add and configure a new production module, an authorized operator may click on “Add New Production Module” at the top of the screen, as shown in Figure 4.8.12-75. An edit box will appear at the top of the screen where the operator may enter the relevant information. Click on “Add This Production Module” to confirm the addition. Click “Cancel” to close the edit box.

Deleting an Existing Production Module

The only way to delete a configured production module is directly in the OMS database.

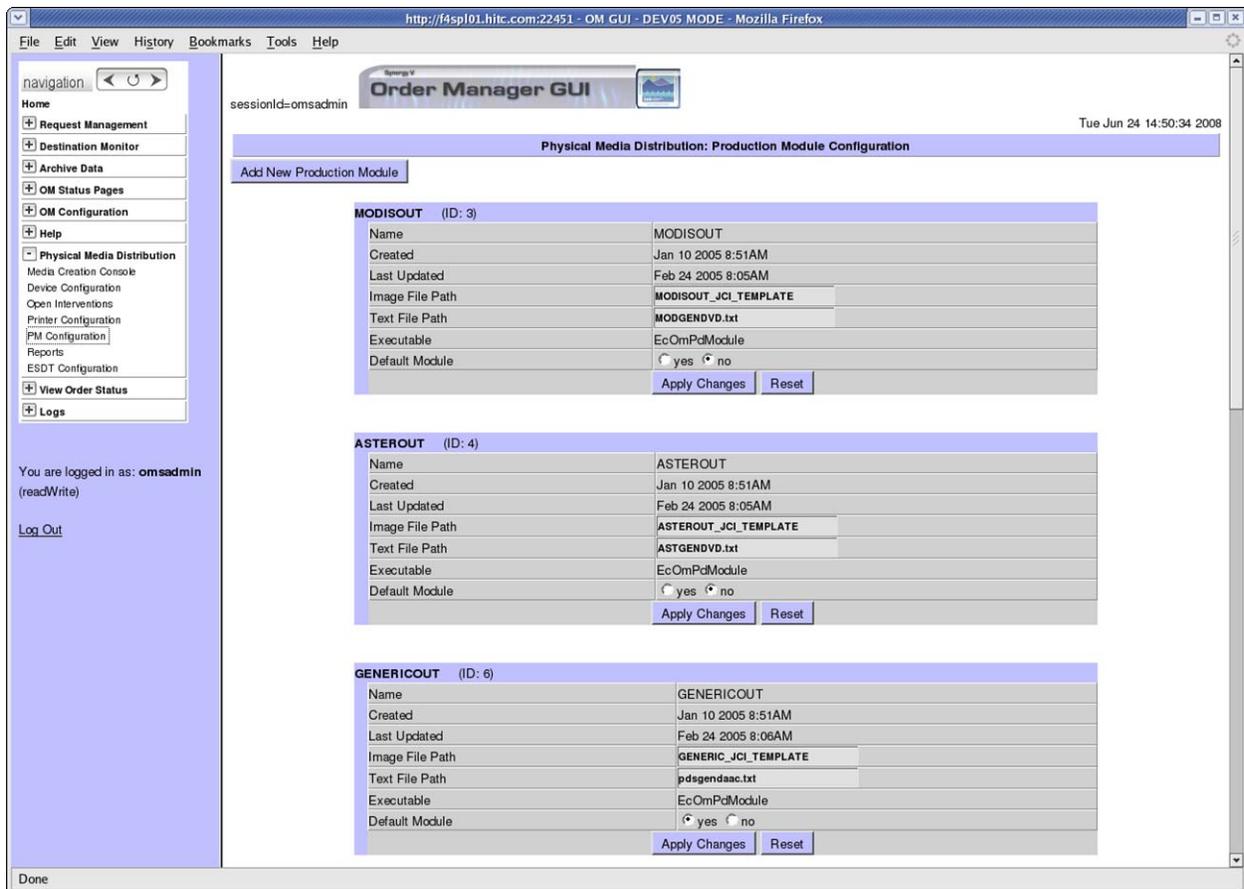


Figure 4.8.12-74. Production Module Configuration Page

Physical Media Distribution: Production Module Configuration	
Add New Production Module	
[Cancel]	
Add New Production Module	
Name	<input type="text"/>
Image File Path	<input type="text"/>
Text File Path	<input type="text"/>
Default Module	<input type="radio"/> yes <input checked="" type="radio"/> no
Add This Production Module	

Figure 4.8.12-75. Add New Production Module

Note: Clicking this button will display the interface to add a new Production Module.

4.8.12.7.7 PMD Reports

The **Reports** page located under the Physical Media Distribution menu is meant to emulate the legacy PDS functionality (see Figure 4.8.12-71). The only difference is that the reports are displayed in HTML through the browser. By using the browser's built-in print function, these reports can be printed out with the formatting intact.

NOTE: To get the most up-to-date stats, reload the page just before printing. Because the OMS GUI already has a time stamp on every page, it will show when the report was generated, giving an indication of the report's accuracy.

REPORT TYPES

- **Device Report:** Shows the number of off-line, on-line, Free, and Busy tape device for DLT.
- **Request Summary Report:** Shows a summary of the Media Distribution Requests: Requests waiting for activation (by the operator) and the pending volume of media production. These fields are shown by all media types supported by the OMS.

4.8.12.7.8 ESDT Configuration

The ESDT Configuration screen allows the operator dynamically to keep track of which ESDTs are stored in compressed format. This information is needed when output physical media volumes are being created and Order Manager determines how many output media volumes will be needed to hold all of the output product.

The user can add a new ESDT by typing the name into the edit field and pressing the Add ESDT button. One or more ESDTs can be removed from the list by toggling the corresponding check box on, and then clicking the Apply Deletion link. A confirmation box is displayed before the deletion is performed. The Select All button toggles the check boxes for all of the ESDTs.

Figure 4.8.12-76 shows an example of the ESDT Configuration page.

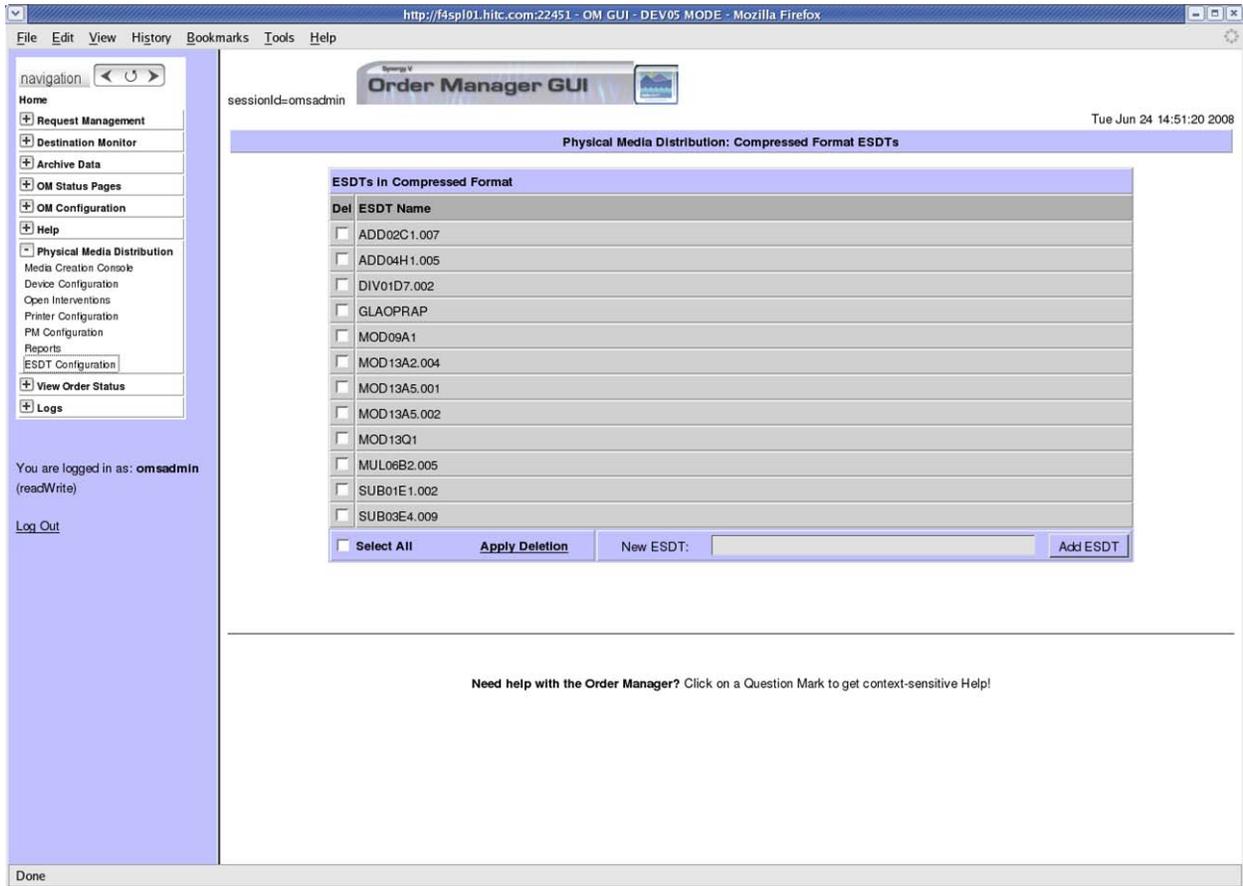


Figure 4.8.12-76. ESDT Configuration Page

4.8.12.7.9 Physical Media Creation

The OMS will queue operator actions to prompt the operator for the manual steps that need to be performed during physical media distribution. These actions can be viewed and acted on by clicking “Physical Media Distribution” and then “Media Creation Console.” The steps vary depending on media type, whether physical media creation is dispatched manually or automatically, and how QC is performed (see earlier notes on QC options).

Media creation for a request can start when the data for that request have been staged (or in the case of HEG or subsetter/on-demand processing, produced) and the requisite type of device is available. In manual mode, OMS will queue an operator action for the operator to activate the request. In automatic mode, OMS will activate requests based on priority and subject to availability of required devices. OMS will only consider the volumes of activated requests when

assigning devices to volumes. This means that in manual mode, only the volumes of active requests will be offered to the operator who assigns a device to another volume; in automatic mode, OMS will assign the devices to the volumes of active requests automatically, based on priority and time of activation.

OMS allocates all devices except CD/DVD production to volumes rather than requests. When a volume operation completes, OMS will consider the device available as soon as the operator confirms the dismount of the media currently loaded into the device. This is true regardless of whether the media operation succeeded, failed, or was interrupted by the operator by failing the mount or stopping the media operation. In automatic activation mode, OMS will request the dismount of the current media. When the operator has confirmed the dismount of the volume, OMS will select the next request and volume for use by that device and request the mount of the volume to which the device was now allocated. In addition, in manual activation mode, the operator will be prompted to assign the device to another volume operation.

For CD/DVD production devices, an entire request is assigned to the devices, and no mount/dismount actions are necessary. As long as device workload limits are not exceeded and the device is online, arbitrarily many requests can be assigned requests. In Luminex implementation, OMS will ensure that no more than the device's "Media Creation Job Limit" number of volumes is dispatched to a Luminex device at any time.

OMS will signal the fact that a media operation resulted in an error in the dismount prompt. Unless the operator sets the device off-line, s/he will be able to use that device for another request or volume while investigating the cause. The operator can retry failed volumes any time from the request details screen for that request. However, the operator does not have to do so. If media operations resulted in errors that were not resolved by the operator, OMS will generate an operator intervention when media production or media verification concludes. OMS then offers the operator the options, described in Section 4.8.12.7.1 PMD Interventions, to resolve the problem and retry failed media operations.

OMS will allow operations to share physical media devices across modes such as OPS, TS1, and TS2. OMS will ensure that a device that is currently busy in one mode cannot be used in a different mode. For example, the device-actions pane will not show any mount, dismount, and device assignment actions for devices that are reserved for a different mode than the one in which the GUI is operating; and dismount and mount actions will only show up in the mode in which the device was allocated in the case of devices that are shared across modes.

The OM GUI will offer the operator a new monitoring screen, the **Media Creation Console**, that consists of two panes, one to monitor request related actions, the **Request Actions** pane, and the other to monitor devices and volume/device related actions, the **Device Actions** pane..

There is one row in the **Request Actions** pane for each outstanding action. In the right column of each row is a pull-down list, which contains the options available to the operator to handle the action. When the operator clicks on one of the options, a pop-up window is opened allowing the operator to act upon the action. The first option in the list allows the operator to successfully close the action. The next option in the list allows the operator to fail the action. The last option

allows the operator to annotate the action. For some actions, there may be additional options to perform related functions.

The following manual operator actions will be shown on the Request Actions pane:

1. **Activate Request.** If a media type is configured for manual dispatching, OMS queues this action, asking the operator to activate a distribution request, thereby making its volumes available for assignment to production devices. The options available to the operator are:
 - a. **Activate Request** - The pop-up window shows of list of volumes to be created.

If the media type is CD/DVD, a list of available CD/DVD production devices, and proposes one of them as a default choice (or indicates that none are available). For these devices, the action screen will also display the currently allocated workload for each available device and the corresponding configured limit. To start the media production process, the operator must either: choose the proposed device or choose a different device in the offered list of available devices
 - b. **Fail Request** - The pop-up window requires that the operator confirm the dismount of any volumes which are still mounted and gives the operator the option of suppressing the DN, or entering additional text for the DN. This option marks the request 'Canceled', and sends the failure DN unless this was suppressed. The operator might choose this option, for example, when s/he wants to resubmit the request using a different type of distribution media.
2. **Collect Media for QC.** When media creation is finished, OMS queues an action for the operator to collect the media for QC. The options available to the operator are:
 - a. **Media Collection Complete** – the pop-up window lists the volumes that were created for the request. The operator must acknowledge that all volumes have been dismounted and, optionally, select volumes to be QC'ed. Then, the operator confirms that the selected volumes have been collected, and are ready for QC.
 - b. **Fail Media Collection** - The pop-up window lists the volumes that were created for the request. The operator must acknowledge that all volumes have been dismounted. Optionally, the operator can set the devices which were used in Media collection off-line, providing an explanation for setting each device off-line. The operator can indicate that the media collection or dismount failed.

If the action is failed, OMS generates a media creation error intervention (because of media collection problems), however, all volumes will be marked as having been written successfully. It is up to the operator to identify which media are missing or look damaged and change their status on the open intervention screen.
3. **Activate Media for QC.** If the request media type is configured for manual dispatching, OMS queues an action asking the operator to activate media verification for the request,

thereby making its volumes available for assignment to devices. The options available to the operator are:

- a. Activate QC - The pop-up window lists the volumes which have been created for the request. Optionally, the operator can change the selection of volumes to be QC'd
 - b. Fail Request - The pop-up window requires that the operator confirm the dismount of any volumes which are still mounted and offers the option of suppressing the DN, or entering additional text for the DN. This option marks the request 'Canceled', and sends the failure DN unless this was suppressed. The operator might choose this option, for example, when s/he wants to resubmit the request.
4. ***Assemble the Distribution Package.*** As a final step, the OMS queues an action that prompts the operator to collect all printed outputs, assemble the distribution package and confirm the successful completion of this step, marking the request as 'Shipped'. The OMS displays request information, the list of media that were created, and the printers where the outputs are located. The options available to the operator are:
- a. Mark Request Shipped - The pop-up window lists the volumes that were created for the request. The operator must acknowledge that all volumes have been dismounted. and confirm that the package is assembled. Optionally, the operator can suppress the sending of the DN. This is the only option that completes and closes the action.
 - b. Confirm Media Dismounted - The pop-up window lists the volumes that were created for the request. The operator must acknowledge that all volumes have been dismounted. Optionally, the operator can confirm that the package is assembled. The action remains pending.
 - c. Confirm Package Assembled - The pop-up window lists the volumes that were created for the request. Optionally, the operator can confirm that volumes have been dismounted from their QC devices. The action remains pending.
 - d. Package Not Assembled - The pop-up window lists the volumes that were created for the request. The operator must acknowledge that all volumes have been dismounted. This option will be treated like QC error and result in the QC intervention, which offers the operator a range of options to respond to the problem.
 - e. Fail Request - The pop-up window requires that the operator confirm the dismount of any volumes which are still mounted and the option of suppressing the DN, or entering additional text for the DN. This option marks the request 'Canceled', and sends the failure DN unless this was suppressed. The operator might choose this option, for example, when s/he wants to resubmit the request.

- f. Print Outputs - The pop-up window gives the operator the option of re-printing any of the printed outputs, including media label, shipping label, packing list, QC report, and tape labels or jewel case inserts (depending on media type) without closing the intervention.

For any option on the pop-up window, to complete the action, the operator must click the button labeled with the “*option name*” at the bottom left of the window.

Alternately, the operator may click the **Cancel** button to leave the action pending.

The device-monitoring pane lists the devices that are available to current mode. OMS will allow operations to share physical media devices across modes such as OPS, TS1, and TS2. OMS will ensure that a device that is currently busy in one mode cannot be used in a different mode. Devices that are reserved for a different mode than the one in which the GUI is operating that are reserved for a different mode than the one in which the GUI is operating are not shown on device-monitoring pane. Dismount and mount actions will only show up in the mode in which the device was allocated in the case of devices that are shared across modes.

For online devices (except CD/DVD production devices), operator actions that are pending for each device are displayed. The actions are organized by media creation phase, production and QC. To perform the action, the operator clicks the checkbox within the action row. Any number of actions may be checked concurrently, but none will be performed until the operator clicks the Apply button. At that time, all checked actions will be performed. For each device and phase the following actions may appear:

1. Dismount - OMS will consider the device available as soon as the operator confirms the dismount of the volume currently loaded into the device. For manual media creation, an Assign action will be displayed immediately when the operator clicks the dismount checkbox allowing the operator to assign a new volume to the device. If a media operation resulted in an error, the dismount action will indicate that the operation failed. The operator can fail the dismount by clicking on the dismount action. Failing a dismount will mark the corresponding media volume as failed. It will also disassociate the volume from the device and the device will be assumed to be unassigned.
2. Assign - an Assign action will be displayed when the device is free and available to be assigned to another volume. The assigned action will include a pulldown list showing all volumes which are available to be assigned to the device. To assign a volume to device, the operator selects the volume to be assigned and clicks the associated checkbox. As soon as the checkbox is clicked, a Mount action will be displayed for the device allowing the operator to confirm the mount of the selected volume. The volume will be removed from the select lists for all devices of the same media type to prevent the operator from assigning the same volume to multiple devices.
3. Mount – a Mount action will be displayed when a device has been assigned to the volume. The operator can fail the mount by clicking on the mount action. Failing a mount will not mark the corresponding media volume as failed. Rather, it will be available for assignment to a device again.

4.8.12.7.9.1 Media Creation Console Page

The Media Creation Console page shows operator actions required for media creation. It is divided into two panes, the Request Actions pane and the Device Actions pane. The Request Actions pane shows actions related to requests. The Device Actions pane shows actions related to devices and devices/volumes.

The refresh control box is shown at the bottom of the page to allow automatic refresh of the Media Creation Console page. The two panes are always refreshed/reloaded at the same time. That is, if the operator applies an action from one pane, both panes will be refreshed. So, the operator will then see the results of his action on both panes. Similarly, if the operator turns auto refresh on, both panes will be refreshed simultaneously.

Each pane can be independently scrolled horizontally or vertically and will have its own scrollbar(s) if its contents do not fit within its boundaries.

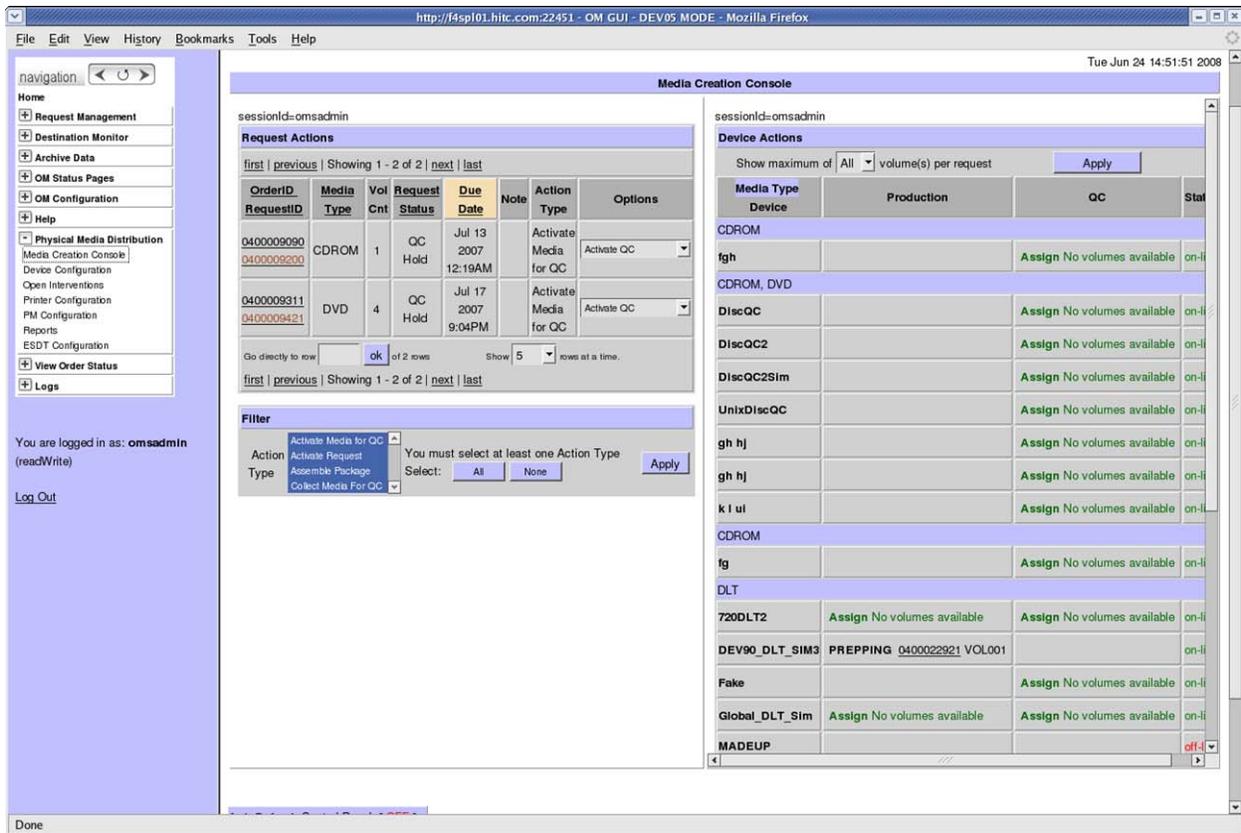


Figure 4.8.12-77. Media Creation Console Page

4.8.12.7.9.2 Request Actions Pane

The Request Actions pane shows a list of request oriented actions required of the operator for physical media requests, which are in the media creation process. The list can be filtered by

Action Type. Each line of the table represents an action for the given request. The options column at the end of the lines is a pull down list which shows the options available to the operator for the given action type. When the operator clicks on an option in the options pull down list, a window pops up showing data and required entries to perform the selected option. The physical media actions panes are shown on the Media Creation Console page in Figure 4.8.12-77.

For each line in the table, the fields shown in Table 4.8.12-24 are displayed.

Table 4.8.12-24. Field Descriptions for Media Creation Action Page

Field Name	Data Type	Size	Description
OrderId	Integer	8	UID for this order created internally. This is a link to the Order page for this order.
RequestId	Link/Integer	10	UID for a request. This is a link to the Request Detail page.
Media Type. (Only Physical Media Types Are Shown).	Character	8	Type of media associated with the request
Vol Count	Integer	8	Indicates the number of volumes remaining to be produced or verified for this request
Device Name	Character	n/a	Name of the device currently allocated to the request.
Request Status	Character	21	Status of the request.
Due Date	Date/Time	19	Date/time the request is due to be shipped.
Media Action Note	Character	1	"Y" indicates that there is a note associated with this request. The operator can click the "Y" to see the note.
Action Type	Character	25	Type of action. The values are: <ul style="list-style-type: none"> • Activate Requests • Mount Media for Production • Collect Media for QC • Activate Media for QC • Mount Media for QC • Assemble package
Options	Pulldown list	N/a	Options available for the given action. For list of options available for each action type, see Table 4.8.12-23.

Table 4.8.12-25 lists the physical media actions for the fields displayed.

Table 4.8.12-25. Fields Displayed for Physical Media Actions

Action	Options	Section	Figure(s)
Activate Request	Activate Request	1.0.9.1	35-36
	Fail Request	1.0.9.1.2	37
	Annotate Action	1.0.9.1.3	38
Collect Media for QC	Media Collection Complete	1.0.11.1	43
	Fail Media Collection	1.0.11.2	44
	Annotate Action	1.0.9.3.1	38
	Activate QC		
	Fail Request	1.0.9.1.2	37
	Annotate Action	1.0.9.1.3	38
Assemble Package	Mark Request Shipped	1.0.14.1	45
	Confirm Media Dismounted	1.0.14.2	46
	Confirm Package Assembled	1.0.14.3	47
	Package Not Assembled	1.0.14.4	48
	Fail Request	1.0.14.5	37
	Print Outputs	1.0.14.6	49, 50
	Annotate Action	1.0.14.7	36

4.8.12.7.9.2.1 Physical Media Action Options Pages

The Physical Media Action Options pages are a series of pop-up windows that are invoked when the operator selects an option from the option list for particular action from the actions page. Each page is described in the following sections.

4.8.12.7.10 Action: Activate Request

The Activate Request page allows the operator to activate a request for media creation. Figure 4.8.12-78 shows the ‘Activate Request’ page for tape media, and Figure 4.8.12-79 shows the page for CD/DVD requests

For CD/DVD media the operator is required to select a device to allocate to the request. The operator can accept the recommended device shown in the drop-down list to the right by clicking the check box labeled “Select Device to Allocate” or he can select an alternate device from the drop-down list on the right before clicking the check box. Since it is possible to assign multiple devices to a single tape request, device allocation for tape requests is not performed on the Activate Request page.

Optionally, the operator can enter an annotation for the action.

To complete the action, the operator clicks the Activate Request Button. The window is closed and the Media Creation Console page is refreshed. If the Operator Notes have changed, the Cancel button will give the operator the opportunity to save the updated notes. Otherwise, the Cancel button closes the window and no action is taken.

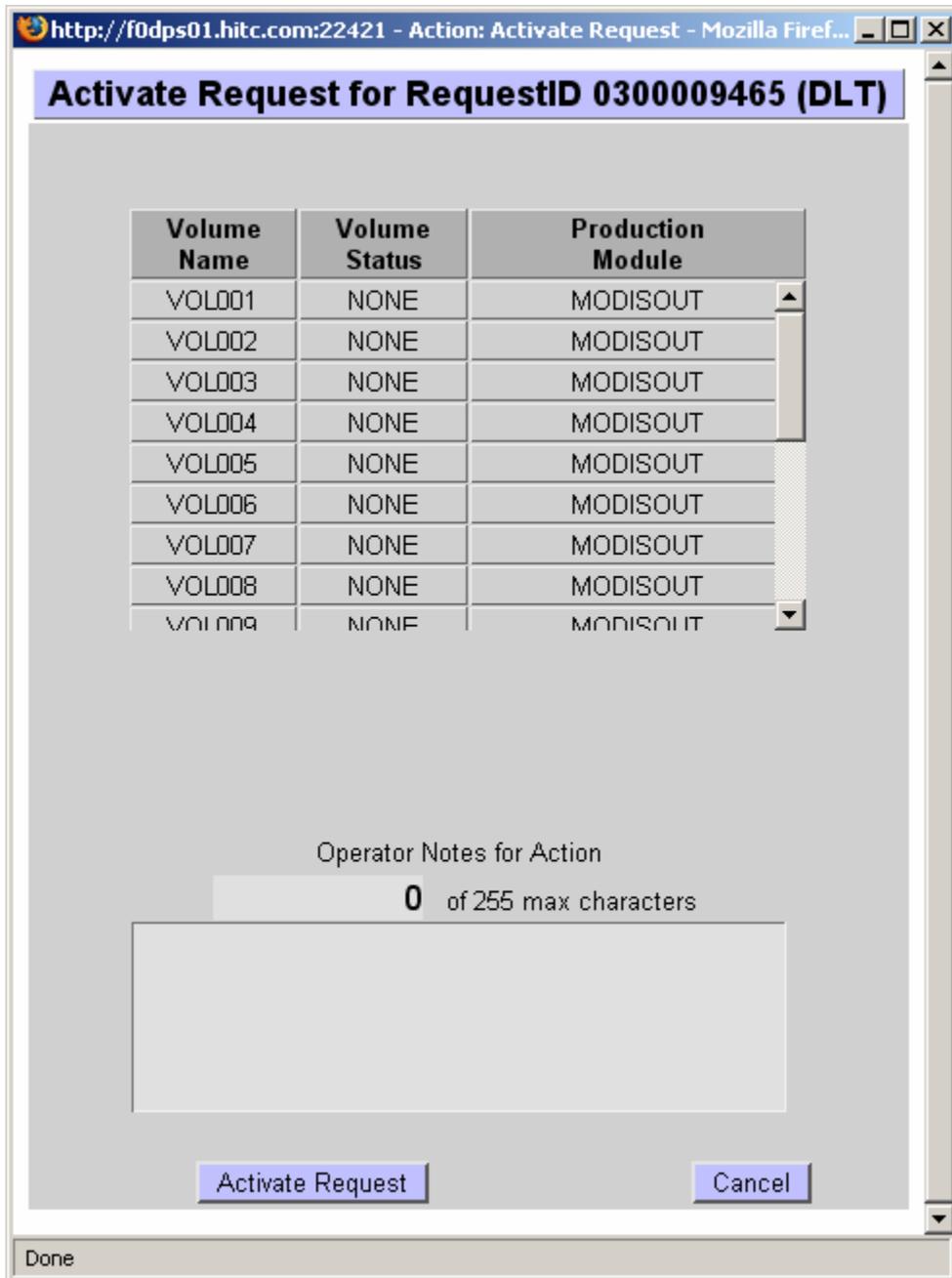


Figure 4.8.12-78. Activate Request Page with Tape Media (Part 1)

http://p4oml01.pvc.ecs.nasa.gov:22401 - Action: Activate Reque

Activate Request for RequestID 0404260564

Select **LUMINEX** Device to Allocate *(required)* Luminex1 ▾
Recommended device is selected

Luminex Workload

Device Name	Allocated Workload (MB)	Workload Limit
cdimage1	< .5	9,000,000,000
OPSimulator	0	1,500
LuminexPvc	< .5	1,000
Luminex 1	0	9,000,000,000

Volume Name	Volume Status	Production Module
VOL001	NONE	MODISOUT

Operator Notes for Action

0 of 255 max characters

Activate Request
Cancel

Done

Figure 4.8.12-79. Activate Request for CD-ROM and DVD Media Types Page (Part 2)

4.8.12.7.10.1 Option: Fail Request

The Fail Request option page, shown in Figure 4.8.12-80 allows the operator to fail the request associated with the action.

Optionally, the operator can enter additional text for the DN or Indicate that the DN is not to be sent at all.

Optionally, the operator can enter an annotation for the action.

To complete the action, the operator clicks the **Fail Request** Button. The window is closed and the Media Creation Console page is refreshed. A "Media Creation Error" intervention is created. If the Operator Notes have changed, the Cancel button will give the operator the opportunity to save the updated notes. Otherwise, the Cancel button closes the window and no action is taken.

Volume Name	Volume Status	Production Module
VOL001	NONE	MODISOUT
VOL002	NONE	MODISOUT
VOL003	NONE	MODISOUT
VOL004	NONE	MODISOUT
VOL005	NONE	MODISOUT
VOL006	NONE	MODISOUT
VOL007	NONE	MODISOUT
VOL008	NONE	MODISOUT
VOL009	NONE	MODISOUT

Don't send DN

Additional text for DN
0 of 255 max characters

Operator Notes for Action
0 of 255 max characters

Fail Request Cancel

Figure 4.8.12-80. Fail Request Page

4.8.12.7.10.2 Option: Annotate Action

The Annotate Action page, shown in Figure 4.8.12-81, allows the operator to add annotations to the action. To complete the action, the operator clicks the Annotate Action Button. The window is closed and the Media Creation Console page is refreshed. If the Operator Notes have changed, the Cancel button will give the operator the opportunity to save the updated notes. Otherwise, the Cancel button closes the window and no action is taken.

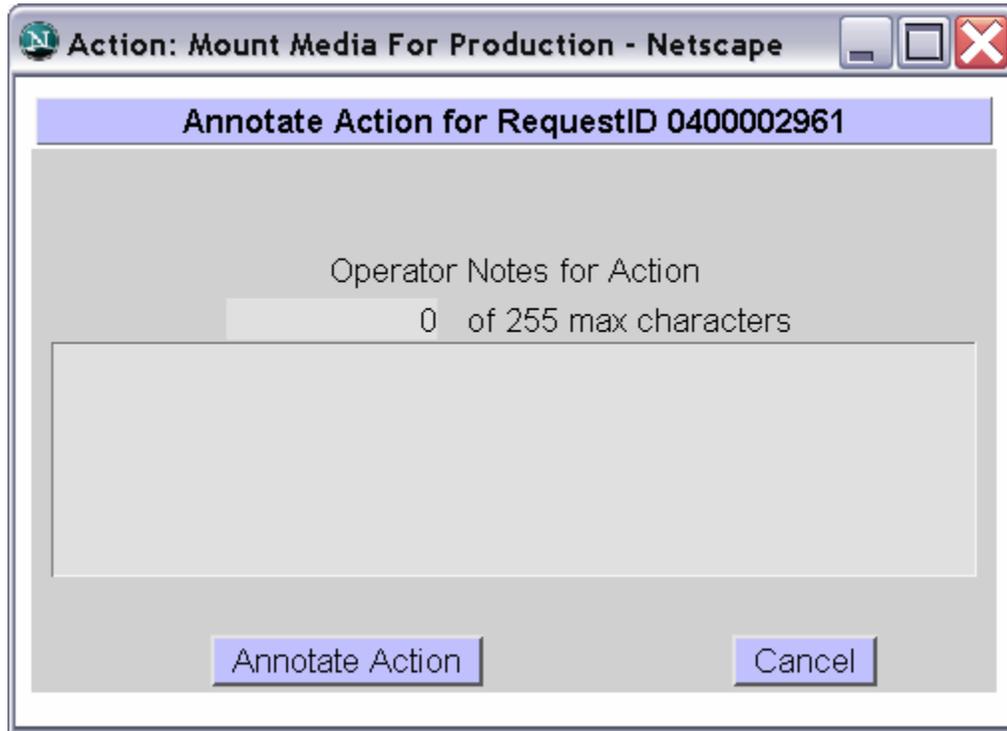


Figure 4.8.12-81. Annotate Action Page

4.8.12.7.11 Action: Collect Media for QC

OMS queues an action for the operator to collect the media for QC. The OMS GUI displays request information and lists the media volumes that were created for the request. The operator can

- a. Acknowledge that the media has been collected, and are ready for QC. The operator also has the option of changing the default selection of volumes that will verified, or
- b. Indicate that the media collection failed.

If the action is failed, OMS generates an intervention “QC error” (because of media collection problems), however, without flagging a volume as having passed or failed QC. It is up to the operator to identify which media are missing or look damaged.

The operator has the following options for handling the action:

4.8.12.7.11.1 Option: Media Collection Complete

The Media Collection Complete option page, shown in Figure 4.8.12-82 allows the operator to confirm the completion of media collection for QC. Also, the operator can change the default selection of volumes chosen to be verified by using the column 'Select for QC' to select/deselect volumes.

Optionally, the operator can enter an annotation for the action.

To complete the action, the operator clicks the Media Collection Complete Button. The window is closed and the Media Creation Console page is refreshed. If the Operator Notes have changed, the Cancel button will give the operator the opportunity to save the updated notes. Otherwise, the Cancel button closes the window and no action is taken.

Volume Name	Volume Status	Production Module	Production Device	Select For QC
VOL001	CREATED	MODISOUT	Donna_DLT1	<input type="checkbox"/>
VOL002	CREATED	MODISOUT	Donna_DLT2	<input type="checkbox"/>
VOL003	CREATED	MODISOUT	RSDLTSim2	<input type="checkbox"/>
VOL004	CREATED	MODISOUT	Donna_DLT1	<input type="checkbox"/>
VOL005	CREATED	MODISOUT	Donna_DLT2	<input type="checkbox"/>
VOL006	CREATED	MODISOUT	RSDLTSim2	<input type="checkbox"/>
VOL007	CREATED	MODISOUT	Donna_DLT1	<input type="checkbox"/>
VOL008	CREATED	MODISOUT	Donna_DLT2	<input type="checkbox"/>

Operator Notes for Action
0 of 255 max characters

Media Collection Complete Cancel

Figure 4.8.12-82. Media Collection Complete Page

4.8.12.7.11.2 Option: Fail Media Collection

The Fail Media Collection option page, shown in Figure 4.8.12-83 allows the operator to fail the completion of media collection for QC.

Optionally, the operator can enter an annotation for the action.

To complete the action, the operator clicks the Fail Media Collection Button. The window is closed and the Media Creation Console page is refreshed. A "QC Failed" intervention is created. If the Operator Notes have changed, the Cancel button will give the operator the opportunity to save the updated notes. Otherwise, the Cancel button closes the window and no action is taken.

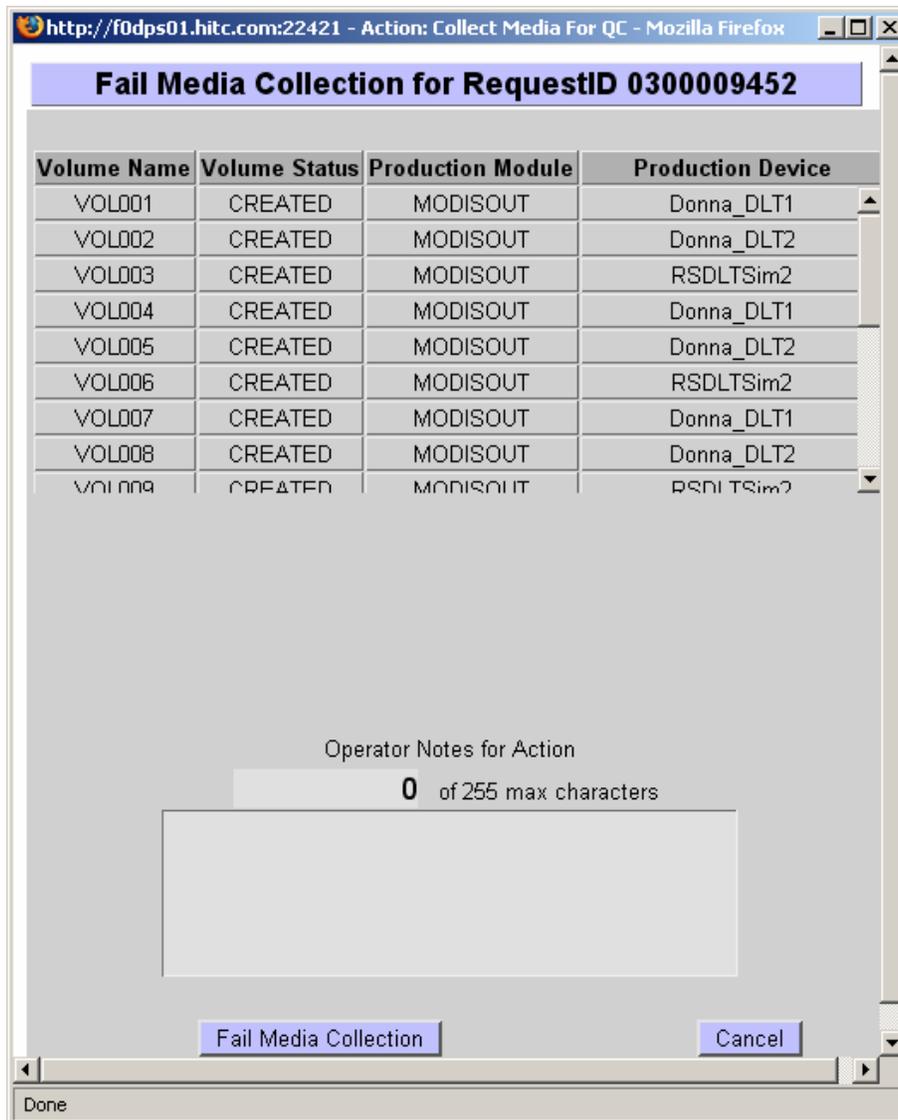


Figure 4.8.12-83. Fail Media Collection Page

4.8.12.7.11.3 Option: Annotate Action

Same as above.

4.8.12.7.12.1 Action: Activate Media for QC

The Activate Media for QC page, shown in Figure 4.8.12-78 allows the operator to activate a request for QC.

The window shows the volume list for the request and indicates what volumes have been selected for QC as displayed in Figure 4.8.12-84.

Optionally, the operator can enter an annotation for the action.

To complete the action, the operator clicks the Activate Media for QC Button. The window is closed and the Media Creation Console page is refreshed. If the Operator Notes have changed, the Cancel button will give the operator the opportunity to save the updated notes. Otherwise, the Cancel button closes the window and no action is taken.

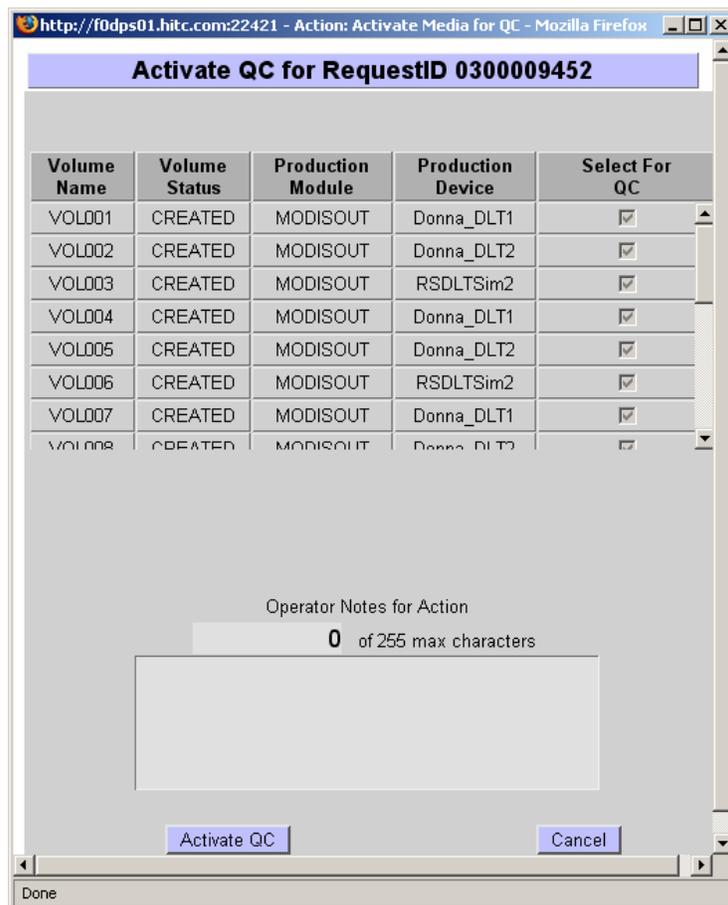


Figure 4.8.12-84. Activate QC

4.8.12.7.12.2 Option: Fail Request

Same as above.

4.8.12.7.12.3 Option: Annotate Action

Same as above.

4.8.12.7.13 Action: Assemble the Distribution Package

As a final step, the OMS queues an action that prompts the operator to collect all printed outputs, assemble the distribution package and confirm the successful completion of this step. The OMS displays request information, the list of media that were created, and the printers where the outputs are located. The operator can

- a. Mark the request as shipped and complete the action
- b. Confirm that the package has been assembled
- c. Indicate that the package has not been assembled
- d. Fail the request
- e. Re-print any of the printed outputs
- f. Enter a note for the action

Choice a. results in marking the request as “Shipped”. In order to complete the action, the operator must confirm that the package has been assembled. The “Mark Request Shipped” page allows the operator to confirm package assembled, and mark the request ‘Shipped’. Alternately, the operator can indicate that the package has been assembled using choice b. A DN will be sent unless explicitly suppressed by the operator. Choice c. will be treated like a QC error and result in a QC intervention, which offers the operator a range of options to respond to the problem.

The operator has the following options for handling the action:

4.8.12.7.13.1 Option: Mark Request Shipped

The “Mark Request Shipped” page as shown in Figure 4.8.12-85 closes the Assemble Package Action. If the **Confirm Package Assembled** step has been done previously, the checkbox will be checked and disabled so the operator will not have to check this box again. Once the checkbox is checked, the operator can complete the action by clicking the **Mark Request Shipped** button. Optionally, the operator can choose to not send a DN or to add a note to the action. If the Operator Notes have changed, the Cancel button will give the operator the opportunity to save the updated notes. Otherwise, the Cancel button closes the window and no action is taken.

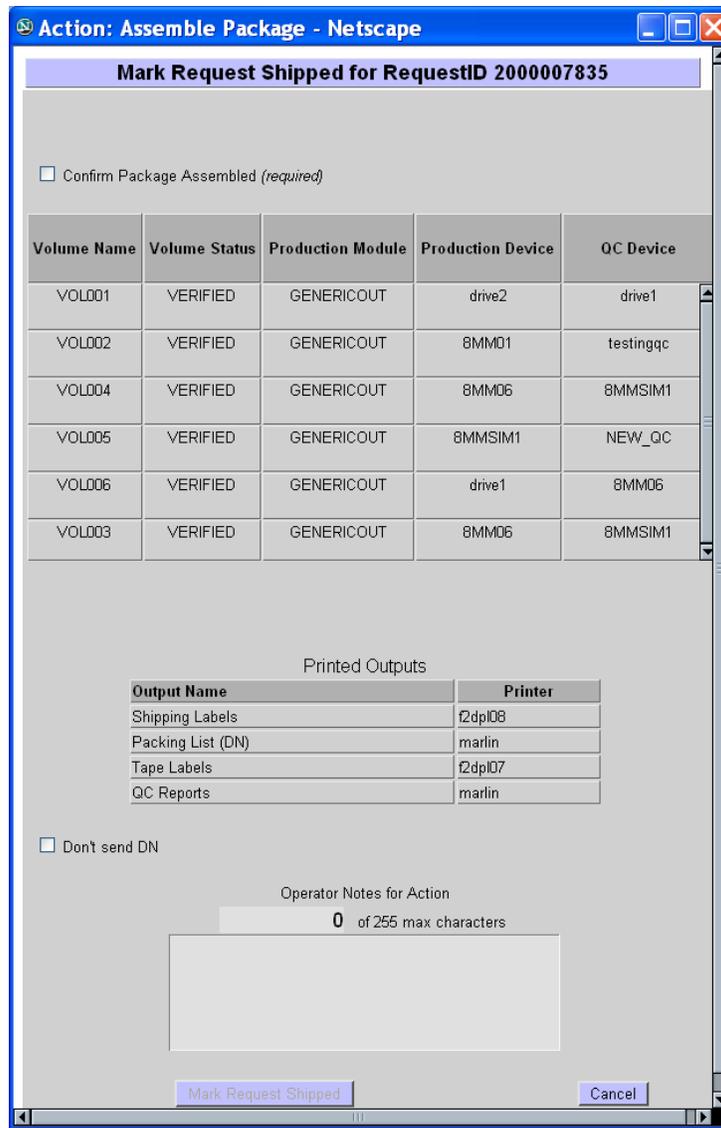


Figure 4.8.12-85. Mark Request Shipped Page

4.8.12.7.13.2 Option: Confirm Package Assembled

The Confirm Package Assembled option page, shown in Figure 4.8.12-86 allows the operator to confirm the assembly of the package for shipment.

A list of volumes that were created is displayed showing for each volume, volume name, volume status, production module, production device, and QC Device.

The operator also has the option of not sending the DN. To do this, the operator clicks the check box labeled "Don't send DN".

Optionally, the operator can enter an annotation for the action.

Also shown is a table of printed outputs. For each output, the Output Name and Printer on which it was printed are shown.

When the operator clicks the **Confirm Package Assembled** button, a record is made that the Package has been Assembled. The window is closed and the Media Creation Console page is refreshed. If the Operator Notes have changed, the Cancel button will give the operator the opportunity to save the updated notes. Otherwise, the Cancel button closes the window and no action is taken.

Volume Name	Volume Status	Production Module	Production Device	QC Device
VOL001	VERIFIED	GENERICOUT	drive1	8MM01
VOL002	VERIFIED	GENERICOUT	8mm_dev09	qc3
VOL004	VERIFIED	GENERICOUT	8MM06	8MM-01
VOL005	VERIFIED	GENERICOUT	8MM06	qc5
VOL006	VERIFIED	GENERICOUT	drive2	drive1
VOL003	VERIFIED	GENERICOUT	8MM01	qc5

Printed Outputs

Output Name	Printer
Shipping Labels	f2dp108
Packing List (DN)	marlin
Tape Labels	f2dp107
QC Reports	marlin

Operator Notes for Action

0 of 255 max characters

Figure 4.8.12-86. Confirm Package Assembled Page

4.8.12.7.13.3 Option: Package Not Assembled

The Package Not Assembled page, shown in Figure 4.8.12-87 allows the operator to indicate that the package was not assembled for shipment.

Optionally, the operator can enter an annotation for the action.

To complete the action, the operator clicks the **Package Not Assembled** Button. The window is closed and the Media Creation Console page is refreshed. A "QC Error" intervention is created. If the Operator Notes have changed, the Cancel button will give the operator the opportunity to save the updated notes. Otherwise, the Cancel button closes the window and no action is taken.

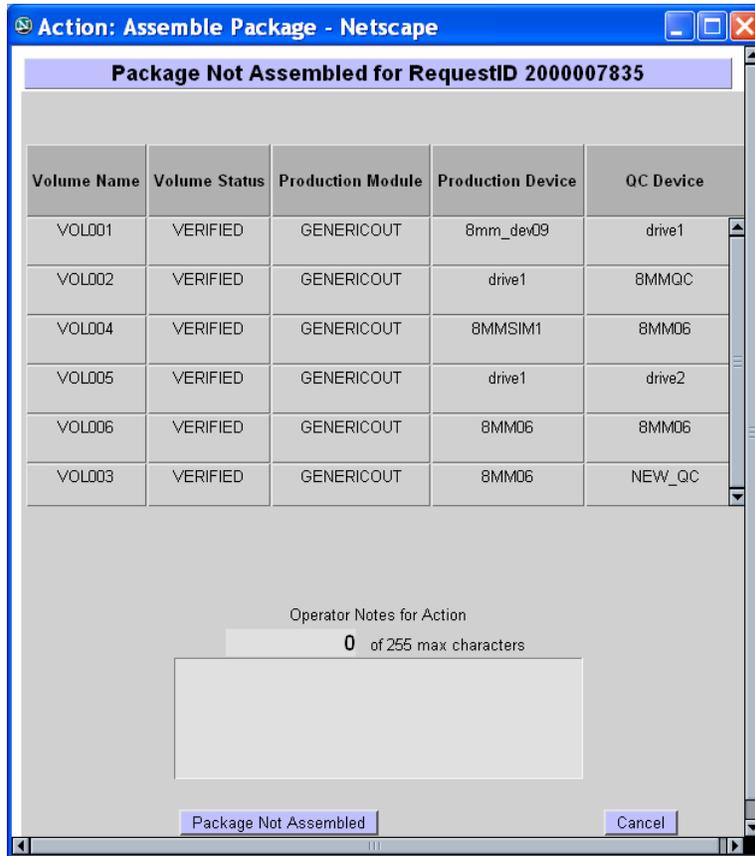


Figure 4.8.12-87. Package Not Assembled Page

4.8.12.7.13.4 Option: Fail Request

Same as above.

4.8.12.7.13.5 Option: Print Outputs

The Print Outputs option page, shown in Figures 4.8.12-88 and 4.8.12-89 allows the operator to reprint any of the labels associated with the request.

To reprint the output, the operator clicks the check box labeled with the name of the item he wants to reprint. Outputs that can be reprinted are: Jewel Cast Inserts, Shipping Label, Packing List, and QC Report.

To complete the option, the operator clicks the **Print Outputs** Button. The window is closed, the outputs are printed, and the Physical Media Actions page is refreshed. The **Cancel** button closes the window and no action is taken.

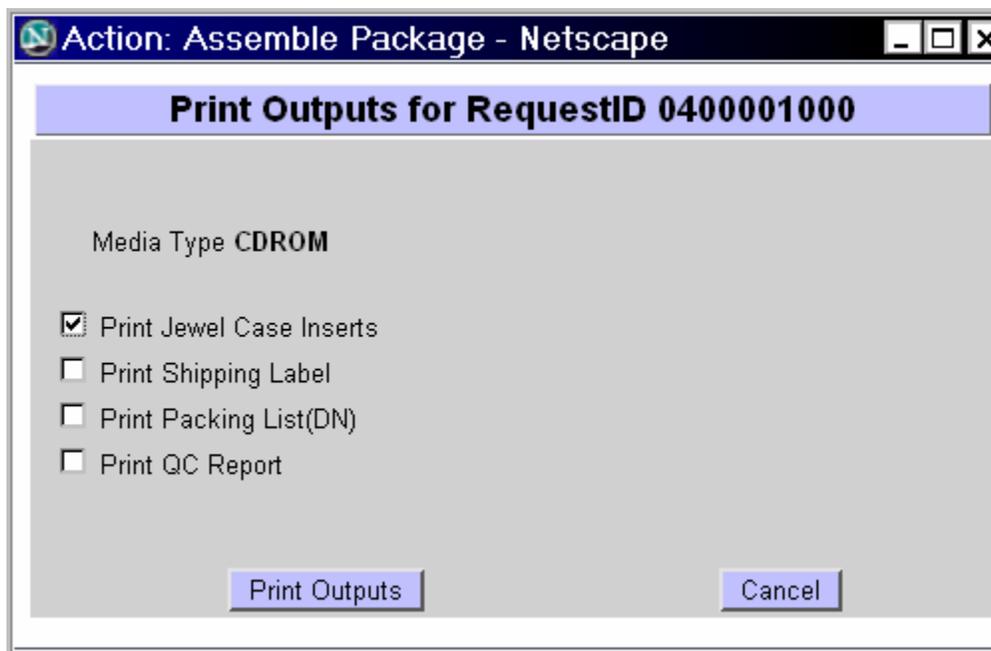


Figure 4.8.12-88. Print Outputs Page for CDROM/DVD Media

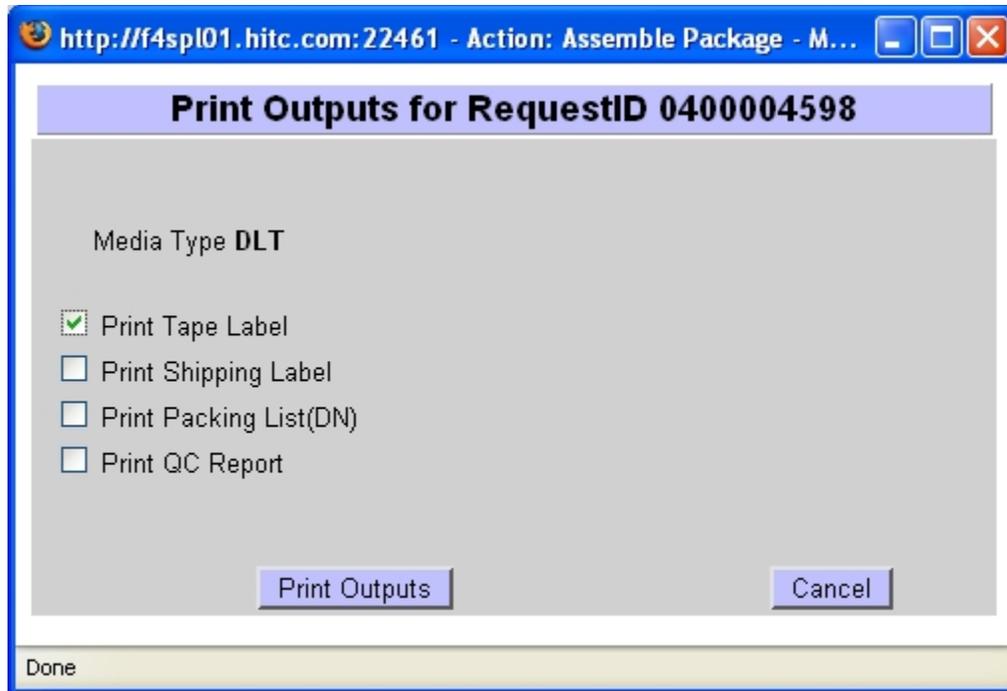


Figure 4.8.12-89. Print Outputs Page for Tape Media

4.8.12.7.13.6 Option: Annotate Action

Same as above.

4.8.12.7.14 Device Actions Pane

The Device Actions pane shows a list of device oriented actions required of the operator for physical media requests, which are in the media creation process. It also shows the status of the device when no operator action is pending for the device.

The Device Actions pane shows one row for each device which is available to the current mode. Columns shown for each row are described in Table 4.8.12-26.

The operator indicates his intention to perform the action by clicking its corresponding checkbox. Any number of actions may be checked but none will be applied to the database until the operator clicks the Apply button. When the operator clicks the Apply button, all checked actions will be sent to the server and the Media Creation Console page will be refreshed thereby refreshing both the actions pane and the device Actions pane, and are described in Table 4.8.12-27.

Table 4.8.12-26. Columns in the Device Actions Table

Column Name	Data Type	Size	Description
Device Label	Character	30	Device Label configured for the device when it was created. It is a link to the device detail page.
Production Actions	n/a	n/a	Status of the device or operator actions available for the device in the production phase of media creation. Actions/status messages which may be displayed in the cell are shown in Table 4.8.12.7.14-2.
QC Actions	n/a	n/a	Status of the device or operator actions available for the device in the QC phase of media creation. Actions/status messages which may be displayed in the cell are shown in or at
Status	Character	8	Online/off-line status of the device.

Note: Wherever a RequestId is displayed, it is a link to the Request Detail page.

Table 4.8.12-27. Messages in Device Actions Cells (1 of 2)

Message	When displayed	Check Checkbox	Uncheck Checkbox
Creating RequestId Volume	When a volume is being created on the device	n/a	n/a
Verifying RequestId Volume	When a volume is being verified on the device	n/a	n/a
In use by mode mode	When the device is being use in another mode	n/a	n/a
Dismount <input type="checkbox"/> RequestId Volume	When a volume is finished creating or verifying and is ready to be dismounted	If activation mode is manual, display the Assign message If the word "Dismount" is clicked, the message changes to "Fail Dismount" and the checkbox is unchecked. All other messages in the cell are removed.	If activation mode is manual, all messages except "Dismount" are removed from the cell.

Table 4.8.12-27. Messages in Device Actions Cells (2 of 2)

Message	When displayed	Check Checkbox	Uncheck Checkbox
Fail Dismount <input type="checkbox"/> RequestId Volume	When the operator clicks the word "Dismount" in the Dismount message	The operator is asked to confirm that he wants to fail the dismount. If the operator confirms, the "Off-line Device", and in manual mode, the "Mount" messages are displayed. If not, the "Fail Dismount" checkbox is unchecked.	The "Off-line Device" message and "Mount" message, if it is shown, is removed from the display.
Off-line Device deviceId	When the operator fails a mount or dismount action.	None	None
Assign <input type="checkbox"/> volumes drop-down list	When the device is free and available for assignment of another volume.	The volume that the operator has selected from the volumes drop-down list appears in the "Assigned". The "Mount" message appears	n/a
Assigned <input type="checkbox"/> RequestId Volume	When the "Assign" message is checked	None. The checkbox is already checked.	The "Assign" message replaces be "Assigned" message and the "Mount" or "Fail Mount" message is removed.
Mount <input type="checkbox"/> RequestId Volume	When a volume has been assigned to the device	If the word "Mount" is clicked, the message changes to "Fail Mount" and the checkbox is unchecked	None
Fail Mount <input type="checkbox"/> RequestId Volume	When the operator clicks the "Mount" action text.	The operator is asked to confirm that he wants to fail the dismount. If the operator confirms, the "Off-line Device" message is displayed. If not, the "Fail Mount" checkbox is unchecked.	The "Off-line Device" message is removed from the display.

4.8.12.8 Help Page

The operator can view the help information on a particular page by clicking on the **Need help with the Order Manager?** link at the bottom of the page which will display a small pop-up window for help on that page. The operator may also click on the **Help** tab at the top of the page. The help information is indexed and also contains links to help on related topics. The index to available topics includes:

- About The Order Manager GUI
- Recently Added Features
- Request Management
 - Open Interventions
 - Viewing Intervention Details
 - Working an Intervention
 - Operator Alerts
 - Completed Interventions
 - Distribution Requests
- FtpPush Monitor
 - FtpPush Distributions Requests
 - FtpPush Operations
 - FtpPush Destinations
 - Staging Requests
- OM Status Pages
 - OM Queue Status
 - Staging Operations
 - Staging Status by Media Type
 - Staging by FtpPush Destination
- OM Queue Status
- OM Configuration
 - Aging Parameters
 - Server/Database Configuration
 - Media Configuration
 - FtpPush Policy Configuration
 - Archive Resources
- OM Server Statistics
- OM Log Viewer

Figure 4.8.12-90 displays a sample Help Page.

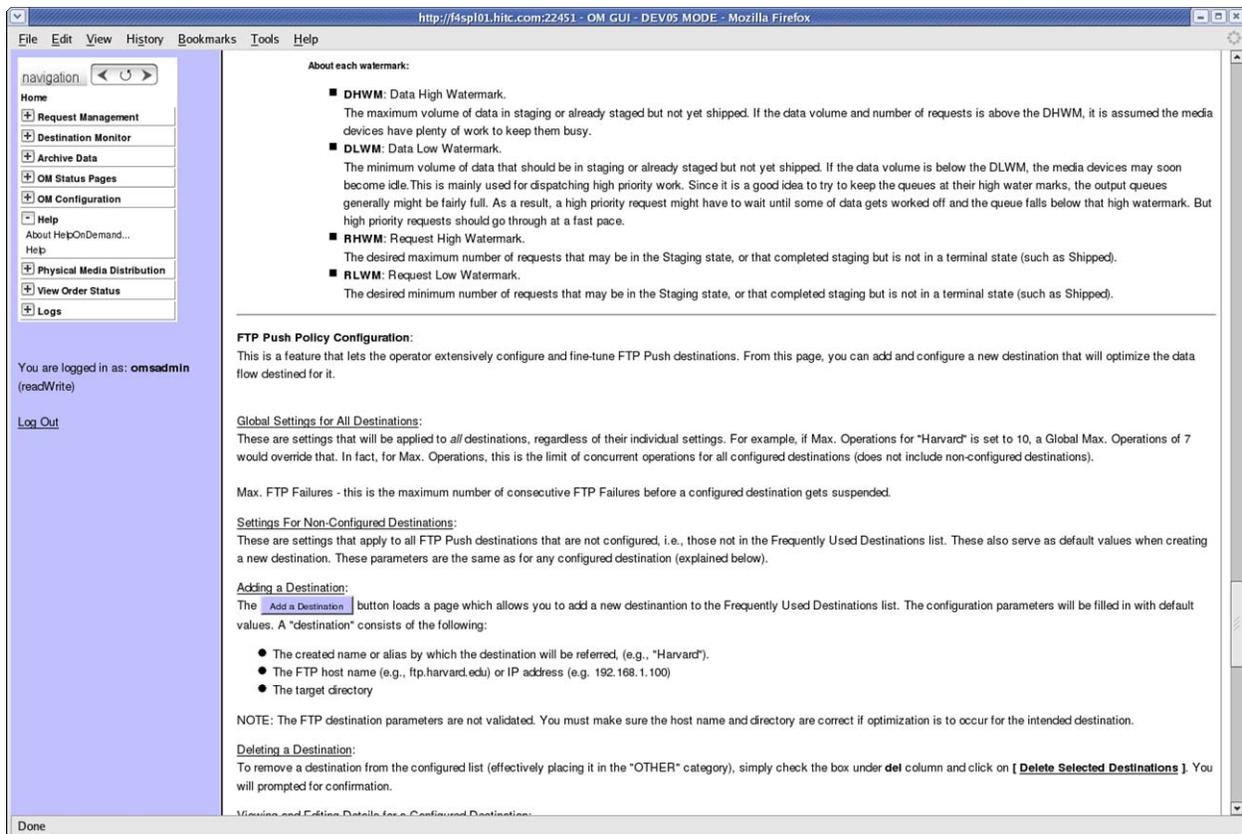


Figure 4.8.12-90. Sample Help Page

HelpOnDemand

This is a feature that gives the operator context-sensitive help for each page, but more specifically for particular controls or parameters that may not be entirely self-descriptive. Anywhere there is a little question mark next to a button or text field, click on it and a dialog box describing that item will appear. Figure 4.8.12-91 shows an example of HelpOnDemand for the Time Out parameter on the FtpPush Policy Configuration page.

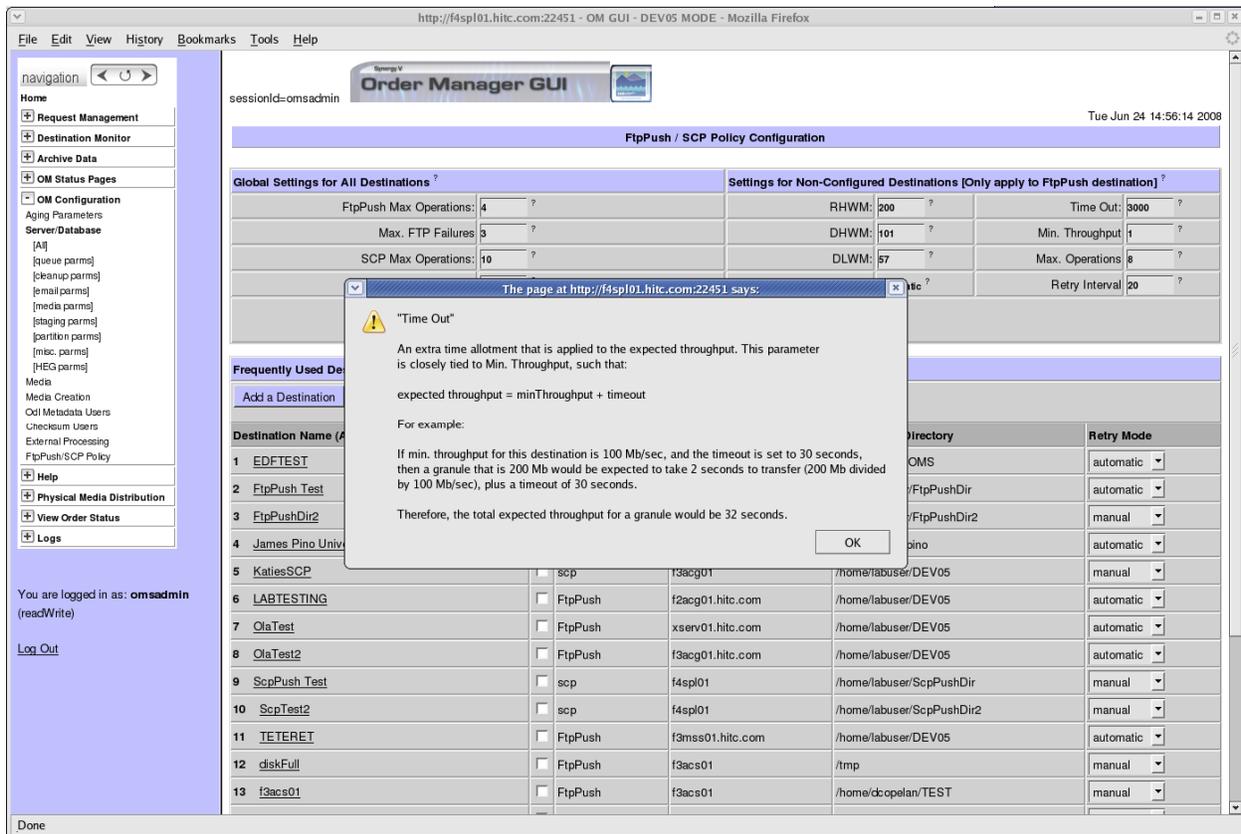


Figure 4.8.12-91. HelpOnDemand Example

4.8.12.9 OM GUI Log Viewer

The Log viewer, shown in Figure 4.8.12-92, is a simple diagnostics tool to aid the operator when an error occurs. It lets you view part or the entire Order Manager Page log file, which is a file specifically generated for the OM GUI by the OM GUI. It is usually sufficient to view the last 200-500 lines for recent activity. Simply enter the last number of lines of the log file you wish to view and click "OK". The entire log may be viewed by leaving the text box empty (or entering 0, or a number greater than or equal to the total number of lines in the file) and clicking on "OK".

Since the log file can grow to a very large size after continued use of the Order Manager Page, it is not recommended to load the entire log file all at once.

A helpful feature is included that shows or hides the line numbers, so that the log text can be easily cut and pasted to other places. This is especially useful for SQL:

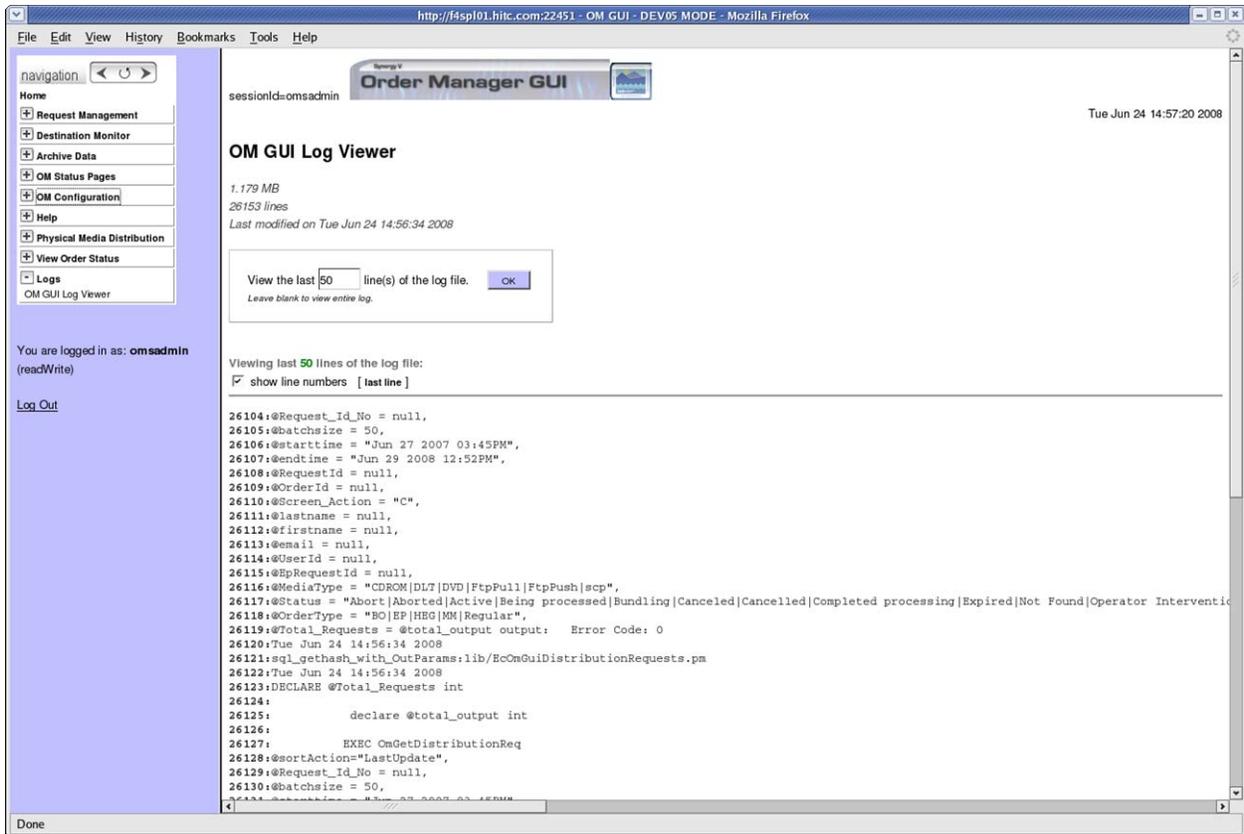


Figure 4.8.12-92. OM GUI Log Viewer Example

4.8.12.10 Required Operating Environment

The following environment is required for the OM GUI to work properly.

The O/S requirements are Linux.

The OM GUI requires the installation of Netscape 7.0 or higher.

4.8.12.11 Interfaces and Data types

The OM GUI exchanges data between the Web Browser and Sybase, using Perl CGI and DBI Modules for the interface.

4.8.12.12 Databases

The OM GUI accesses the OMS and MSS databases.

4.8.12.13 Special Constraints

There are no special constraints to running the OM GUI.

4.8.12.14 Outputs

There are no outputs from the OM GUI except for status and error messages.

4.8.12.15 Events and Messages

The OM GUI writes status and error messages to the EcOmGui.log file in the directory /usr/ecs/<MODE>/CUSTOM/WWW/OMS/cgi-bin/logs.

4.8.12.16 Reports

The OM GUI does not generate reports.

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