

Oracle® Transportation Management

Release Notes

Release 5.5

Part No. B28884-02

July 2006

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1. Logistics Service Providers and Freight Forwarding

Agent Trading Partner - This enhancement expands on the functionalities of shipping agents. For example:

- You can dynamically define shipping agent types.
- You can also assign shipping agent responsibilities for the costs and charges on a job.
- Shipping agents can log into your system to accept or decline the costs and charges for which they are responsible.
- You can see which shipping agents are related to house advanced charges when they are accepting/declining the costs and charges for which they are responsible.

Master Airway Bill of Lading - The system has the ability to generate a Master Airway Bill of Lading (MAWB). When a forwarder is planning a shipment with a carrier, the forwarder is expected to generate the carrier airway bill of lading. Additionally, you can specify advanced charges on a job so that they can be collected on the forwarder's behalf.

Miscellaneous Collaboration Enhancements - Miscellaneous freight forwarding enhancements. Some minor enhancements have been added to freight forwarding. They are as follows:

- Added the ability to specify multiple action checks for a given action.
- Added SmartLinks to the freight forwarding results screen and the freight forwarding edit screen.
- Added the ability to search based on job number in online tendering.
- Added a sequence field to Conditional Booking Profile.
- Added a Check Export License link to the Line Item tab for freight forwarding.

Forwarding Execution Charges - Minor changes in three areas:

- Payment Method Codes can have a type of Commercial, Standard or Both. Depending on that setting, only payment method codes of the appropriate type will be displayed. For example, on the Freight Forwarder the Order Release tab now has two Payment Method fields. One is for Commercial Payment terms, and the other is for standard.
- For weight and volume UOMs on a commercial invoice, you can designate conversion UOMs.
- You can designate a domain name on the rate service manager.

Non-Freight Related Charges (NFRC) Enhancements - This feature provides additional NFRC rule matching criteria.

- For jobs, additional criteria includes required documents and commercial invoice value.
- For order releases, additional criteria includes commercial invoice payment terms, packaged item, customer profile, and INCO terms.
- For buy/sell shipments, additional criteria includes ship unit, payment method and hazardous.

Currency Exchange - This enhancement extends the currency exchange rate capabilities to include Rate Inquiry and International Rate Inquiry. The correct exchange rate is found based on the date entered in the "Available by Date" field in Rate Inquiry and International Rate Inquiry.

Quote Management for Non-Vessel Operating Common Carriers (NVOCC) - This enhancement improves the Quote functionality so quotes are more accurate. There are buy and sell sections for each option so users can compare buy and sell costs. In addition, quotes now incorporate non-freight related charges (NFRC); both manual and generated from a rule. Some of the changes are as follows:

- A new charge rule type, Quote, has been added for NFRC rules

- The enhancement includes changes to the Quote Manager, including buy and sell details, a remarks tab, and NFRC rules.
- A new quote action, Manually Apply NFRC Rule has been added.
- There is one new planning parameter: USE ORDER SERVPROV IF ORDER SELL SERVPROV IS NULL.

Build a Rate - This feature allows you to create spot rates from quotes and shipments. Spot rates have a simpler entry screen, but they are still saved to the database as real rates, so they can be used later as real rate records. The new page incorporates all the elements of the current multi-tab entry into one screen. It also enables you to add remarks and reference numbers.

Miscellaneous Rating Functionality - With this enhancement you can modify how the rate engine interacts with customer-specific rates.

- If you designate customer-specific rates by creating a different domain for each customer and need to group rates with multiple customers you can create a domain profile, effectively grouping selected domains. You can then specify that domain profile on the rate manager so that only the domains in that profile will use that rate.
- Rate inquiries, international rate inquiries, and quotes allow you to specify a customer domain so you can see what rates are available for that customer.

RIQ with Routing Options - International Rate Inquiry results page has been modified to be more consistent with the results of the shipment action "Show Routing Options." In addition, time infeasible itineraries are returned if they exist. You may choose to select an itinerary that is much cheaper if your time/schedule is flexible. It also allows you to refine options for the legs returned.

Support TACT Rates - You can now automatically import TACT (The Air Cargo Tariff) rates into the system through integration. Additionally you can establish IATA SCR (International Air Transport Association Slot Clearance Request/Reply) codes.

2. New Offerings, CPG/Retails

Cooperative Routing - Cooperative Routing is a separately-licensable OTM component that analyzes historical shipment data in order to identify recurring shipment patterns that present opportunities for fleet resources to drive recurring routes that will allow savings over common carrier cost.

Dock Scheduling - This feature provides additional dock scheduling functionalities and provides basic yard management capabilities.

Load Configuration for Retail - This enhancement adds two additional load configuration engine types to the existing one; Pattern Based. You specify the engine type with the load configuration engine type planning parameter. There are several new planning parameters related to load configuration. The two new load configuration engine types are:

- **3-D Placement** - This packs a number of different sizes of rectangular objects into rectangular containers with known dimensions subject to many different constraints such as orientations, and stacking compatibility. The load configuration can be viewed in a 3D (three-dimensional) format by selecting the action "View Load Config". The load configuration can be edited using the Edit Load Config action. To enable this, Cortona software must be installed. Refer to the OTM Administration Guide for details. New fields have been added to ship unit specification so you can specify stacking and nesting details. There are a couple new power data pages: Orientation, this comes with 6 pre-defined orientations, and Ship Unit Specification Orientation Profile.
- **Volume estimation** - This is used for stackable and nestable items, such as trash cans.
Note: To display the 3D load configuration view, a VRML plug-in is required. Cortona is the preferred VRML plug-in for OTM. OTM currently supports Cortona 4.2 (<http://www.parallelgraphics.com/products/cortona>) for Microsoft Internet Explorer for 3D load configuration view. For OTM supported browsers other than Internet Explorer, you may be able to view the 3D load configuration screen, but may not be able to interact with the view.

Ready to Ship - The existing ready to ship functionality has been enhanced. The original Ready to Ship action for an order base line or order base ship unit is now called the Simple Ready to Ship action. The new action is called the Ready to Ship action. The Simple Ready to Ship action functions the same way as the original Ready to Ship action. The new Ready to Ship action allows more flexibility in overriding specification in order releases, and can even create new release instructions if necessary. Additionally, a Confirm to Ship action was created for Order Releases. This further allows you to override the dates and quantities specified by the release instructions and ready to ship actions.

A new action, Shipment - Copy Shipment Refnums to Related Shipments, copies shipment reference numbers to the related shipments. The reference numbers can be filtered by specifying a shipment reference number qualifier. You can filter the related shipments by the perspective (buy or sell).

E-Business Suite (EBS) Integration with OTM has been enabled. A new domain, EBS, has been created and ships with OTM. This domain include EBS agents that help you to integrate with EBS. Instead of using these agents, copy them and use the copies. This enables you to modify the copied agents as necessary. In addition, some additional qualifiers and statuses have been added to public data. When integrating with EBS, OTM requires upper case data and EBS data is usually mixed cased. The following integration properties can be used in this situation: "glog.integration.casechange.element" and "glog.integration.enableCaseChange". There are other properties related to EBS integration. See the help topic EBS Integration Properties for details. The following integrations have been added:

- **Order Management** - OTM can now accept rate inquiries from an external order management system and return rate information to the external system. It can also accept rate information and populate it into orders.

- **Freight Payment** - This provides the integration between EBS and OTM for Freight Payment.
- **Infrastructure** - This enhancement provides the technical capability to integrate with BPEL (Business Process Execution Language). There are some additional fields on the External System manager, a couple new integration properties and one new BPEL property.
- **Purchase Orders** - This provides the integration between EBS and OTM for purchase orders.
- **Sales Orders** - This provides the integration between EBS and OTM for sales orders.

Shipment Schedule - This feature allows you to adjust early and late delivery times for an order release base on lanes. You define order schedules and order schedule overrides where the offset information for the delivery dates is stored. You then adjust the delivery date by either manually running the Set Delivery Dates action from the order release, or through an agent action.

Service Provider Percent Commitments - This enhancement adds the capability for shipment planning to consider the commitments in assigning a suitable service provider and equipment to a shipment. It is restricted to account for commitments against shipment counts and the percentage of shipments built on a lane.

Consolidated Tender Report for Carriers - The Tender Report feature enables you to consolidate notification based on a consolidation profile you define. For high volumes of transactions, the number of notifications is also high. Consolidation allows combination of notification. This can be in addition to or as a replacement for regular tender notification. If using it instead of regular notification the response time is calculated based on the notification time, for each notification. Consolidation can only be used if the communication method is Email, Fax or Message Center. See Data Queues.

Filters for Status Displayed - With this enhancement you can apply a status filter so that only the statuses that are relevant to you are displayed on business objects, such as shipments. Even if you limit the displayed statuses, you can always view all of the statuses on the business object on an as-needed basis.

Wireless Functionality - This feature provides wireless technology to an OTM system. The wireless technologies empower OTM to reach out to service or transportation providers and users who work in the field. By using a wireless device remote users can query on order visibility, shipment events, and appointments. User preferences can affect what fields are displayed on the wireless device.

Actuals Overwrite Planned - This feature improves the actuals functionality and adds additional ability to adjust shipments to reflect changes in what was planned. A new action, Split Order Release, enables you to split ship units on an order release into multiple order releases.

Per-Mile Accessorial for Fuel Surcharges - Fuel surcharges have been augmented and can now be charged per mile or per pound using the Apply To field on the Rate Factor Rule detail page.

Planning Qualifications -Pool and Cross Dock planning has been enhanced to add cost based decision of going direct versus going through pool or thorough cross dock and then pool. Previously, pool and cross dock planning were rule based while deciding on going direct or through a cross dock, or cross dock and pool, and if a pool, which pool. A new process "Build Logistics Guide for Pool/Cross Dock" has been added. There are also new business properties.

Buffer Locations - This feature allows you to define buffer locations where inventory is staged after leaving your From Location. Additionally, you can re-apply an OMR after an order has changed your shipment movements.

3. Technical Features

Usability Enhancements - This feature adds usability enhancements through new user interface components. Following are some of the changes:

- **Picklist** - Auto-complete functionality has been added for list boxes. Three UI properties must be set to enable this feature.
Note: There are several places where auto-complete does not work for picklists if using Firefox for your browser. There is a complete list of those instances in the UI properties topic.
- Results page enhancements include a results grid that is more spreadsheet-like. It features a non-scrolling ID column, a non-scrolling title bar, a total at the bottom of the finder for certain columns (i.e., weight, volume cost columns) that totals that column for the rows selected, and search criteria to show the criteria used to return the results that were returned. Fields can now be edited in the Results page, if they have been configured as such. Also, in the Results page, the Smartlinks icon column has been removed from the finder page, but SmartLinks are still available. To access SmartLinks, right click on the line that you want to see corresponding data for.
- A configure results page allows you to select columns that display and in which order for a results page. This is not user specific but global.
- Using Workspace, you can select multiple business objects. You can then right click on the multiple selection and call the Action menu for actions that are available for the business objects selected. For example, you can select multiple shipments and then change the service provider as long as they you are changing all shipments to the same service provider. Note, if an item other than a business object is selected, it reverts back to single selection mode.

Promote to Production - This enhancement adds flexibility to the CSV export process. You can move configuration data, such as agents, business monitors, external systems and saved queries, from a test environment into a production environment. You can also clean out a test environment by exporting the operational data such as orders, releases and shipments. You can select which data gets copied from Finder pages throughout OTM. You can then push the selected data into production. You may have added several itineraries, some you want to copy to production and others that you do not.

Scalability Increases - This feature improves the scalability of the system by providing a new way to manage database locks. By configuring various properties and check boxes on agents, data query types, and audit actions, you can affect how transactions lock the database. If a transaction locks the database, then other actions that would edit that data will be prevented from completing the update until the original transaction is complete.

Integration - This feature provides enhancements to integration functionality to support the following:

- Improved outbound integration support by accepting transmission and transaction acknowledgements, and a transmission report. You can use these messages as a functional acknowledgement to receiving transmissions and transactions. Agent actions are available to act on the response.
- Support inbound staging of transmissions so that transactions can be built up in a transmission to be processed later. You can build up a transmission and process it later. Also you can send in the transmissions out of order and control when they are processed.

Outbound Integration Performance - This feature lets you can control the elements that are included or excluded from generated outbound XML files. You can choose between including all XML elements or including only the minimum elements. If you choose maximum element inclusion, then you can specify individual elements to exclude. Contrarily, if you choose minimum element inclusion, then you can specify what extra elements to include above the minimum.

Custom Screens - This feature includes some minor enhancements to custom screens and the Manager layout. The following has been implemented:

- You can specify if you want UOMs to display in the format that they were entered for a specific field or a manager by using the As Entered check box on the Manager layout.
- For custom manager screens, components have been created for the following grids to improve performance: Remarks, text templates, Involved parties and Transactional Events. These are available for adding and deleting but cannot be customized.
- XSL has been removed for converted manager layouts.

Firefox is now a supported browser for OTM.

Data Queues - This feature introduces data queues. Data queues introduce a new infrastructure to handle asynchronous events within OTM. Events can be written to database queues rather than memory queues. For each queue a pool of threads is dedicated to periodically poll the queue for a batch of events and forward the events to an executor for processing. The queues go out disabled. If you want to use them, you will need to enable them.

This feature also provides additional functionality related to notification. Now you can specify a consolidation profile so notification messages can be summarized into one. This summary notification can be in addition to normal notification or instead of normal notification. In addition, two new communication methods, SMS (short message service) and IVR (interactive voice response) have been added. See Consolidated Tender Report for Carriers.

Bulk Planning Performance - To improve the bulk plan performance, multi-threading is possible for the build shipments and saving shipments processes. Task and workflow properties must be configured accordingly.