

Retek[®] Distribution Management 10.3



Release Notes



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Contact Method	Contact Information
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Internet (ROCS)	www.retek.com/support Retek's secure client Web site to update and view issues
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E-mail	support@rettek.com
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Mail	Retek Customer Support Retek on the Mall 950 Nicollet Mall Minneapolis, MN 55403
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When contacting Customer Support, please provide:

- Product version and program/module name.
- Functional and technical description of the problem (include business impact).
- Detailed step by step instructions to recreate.
- Exact error message received.
- Screen shots of each step you take.

RDM functional features

Enhanced Putaway Features

RDM now supports several new putaway types along with the existing ones.

Pallet Putaway

Current functionality that encompasses putting away a full pallet or a standalone container into storage.

Case Putaway

New functionality that allows for putaway of a single case from a pallet into storage. The user scans a container that is on a pallet and can putaway just that case without having to first disassociate it from the master.

Active Putaway

This functionality is divided into Active Putaway and Active Replenishment Putaway and is utilized anytime the user is putting away into a Forward Case Pick (FCP) or Less Than Case (LTC) location. Types of active putaway include:

- 1 putting away a full pallet into one or many FCP/LTC locations
- 2 putting away a standalone container into an FCP/LTC location
- 3 putting away a mixed SKU single container into multiple LTC locations.

Concentric Putaway

This functionality is used to suggest putaway locations into reserve that are closest to the Forward Picking locations, based upon a user defined set of rules.

For concentric putaway, X, Y and Z coordinates are assigned to each location and each location is tied to a reference point. The reference points also have X, Y and Z coordinates which are stored in RDM.

The 'starting point' for the concentric putaway logic will always be the picking location for the item. All locations that fit the specifications for the item's putaway plan detail line will be identified. Each of those locations will be evaluated to determine distance from the starting location. RDM uses the following formula for distance between two points in a three dimensional plane:

$$D = (x_2 - x_1)^2 + (y_2 - y_1)^2 + (z_2 - z_1)^2$$

If the location being evaluated and the starting location have two different reference points, then the calculation for distance involves three parts. First, the distance from the starting location (pick face) to the reference point of the starting location is calculated. Second, the stored value between the two reference points is checked. And finally, the distance from the second reference point to the targeted location is calculated. The first and third parts of this equation are calculated using the formula above for distance between two points in a three dimensional plane. These three numbers are added together to make up the traveling distance between the two locations. The location determined to have the smallest traveling distance from the item's picking location will be suggested to the user.

Enhanced Replenishment Features

Preplanned (wave-based) replenishment now provides additional flexibility.

Configurable options now include:

Configurable algorithm at the location level

Users have the ability to configure the algorithm (at location level) that preplanned replenishment uses in situations where on-hand quantities in forward pick locations cannot satisfy demand.

User-defined task priorities

Users are able to define task priorities for situations in which demand in a forward pick location exceeds existing on-hand quantity and pending replenishment tasks exist for that location. In such situations, RDM can automatically increase the priority of the Replens. As demand falls below the quantity on-hand in the location, the replenishment tasks assume their original priorities.

Replenishment tasks 'On-Hold'

Users now have greater flexibility with respect to forward picking locations that require replenishments greater than their capacity. Users can place replenishment tasks on hold if the quantities will not fit into forward picking locations. Rather than using 'fit' by unit quantity in a literal sense, this logic now allows users to define a trigger point at which replenishment tasks will be released. This allows the DC to build in timing of the release of replenishment picks in order to reduce stock outs in forward pick locations while managing capacities.

Pallet Let Down

10.3 Replenishment is enhanced to provide more flexibility for the Distribution Center with limited case picking equipment. This user configurable replenishment type will create bulk replenishments from reserve where less than the full pallet quantity is required for replenishment.

Pallet let down permits a user to bulk pick out of reserve, complete the desired replenishments, and return the pallet back to reserve. This eliminates the need to do replenishment case pick out of high-bay locations.

The determination of pallet let down is done at the process-level.

Enhanced Bulk Handling

The DC can now see the total cube and weight of orders for user-defined criteria such as time periods.

The screen below displays the output of the user defined criteria to provide visibility to the anticipated impact that the select order/order lines will have in shipping.

DEST ID	TOTAL CUBE	TOTAL WEIGHT	TOTAL UNITS	ESTIMATED CASES
101	152424	35776.75	5682	302
102	54622	32423.5	3726	153
103	7104	9	68	4
104	2207	1880	527	21
105	0	0	2	1
106	0	0	2	1
107	0	0	2	1
109	561	282	81	3
333333333	70	105	35	1
444444444	70	308	60	2
TOTALS	10	217058	70784.25	10185
				489

This new functionality also includes cross-dock merchandise that falls within the indicated time period. A new interface point has been added to RDM so that the information that is retrieved, like the info displayed on the screen above, can be sent to a routing package (reference the 3rd Party Routing Package section below for more information).

3rd Party Interfaces for Dimensions and Routing

New Cubiscan and Routing Package interfaces enable the DC to track merchandise dimensions as well as improve load and routing management.

Cubiscan Interface

Timely case and unit measurements are a must in a fast-paced distribution management system. This new addition allows for RDM-initiated requests for case and unit dimensions to a Cubiscan machine. The real time results in an update RDM Item Master for unit and case dimensions.

3rd Party Routing Package

This new interface allows data transfer to a 3rd Party Routing Package. Data passed will include destination total cube and weight. Routing information is taken into RDM and used to order and stage outbound picks based upon the provided routing information.

Other Functional Enhancements

Wave Completion Time

Based on a set of user-defined rules, introduced with the Foundation elements in RDM 10.2, Distribution Center personnel can enter time requirements into wave planning screens and RDM will then estimate the number of resources needed by area and process/pick type.

Hot Picking for Bulk Pallets

RDM 10.3 supports hot picking for Bulk Pallet picking. When pickers declare shortages, the system will automatically attempt to locate bulk replacement picks.

Unit of Measure Display

This enhancement allows users to define how dimensions display on the screen. An example would be measurements taken in inches and displayed in cubic feet.

RF Screen Sizing for Unit Picking Screens

RDM now offers Unit picking screens with an 8-line display for use with wrist-mount devices.

Print and Email BOL and Manifest

The ability to email BOL paperwork is available in RDM 10.3. This enhancement makes emailing BOLs a simultaneous transaction triggered by the shipping of a trailer. Each ship destination has a default email address stored as part of the shipping information.

ASN Pallet Receiving and Breakdown

RDM 10.3 supports TARE level (pallet level) receiving. Additionally, this new functionality permits the breakdown of mixed sku pallets that have been received and which provides increased inbound productivity.

Trailer Maintenance

The Trailer Editor and Trailer Status screens were modified to allow for Trailer User Definable Attributes. Attributes, such as length, refrigerated, etc., may be added to individual trailers. Data on the Trailer Status screen can be sorted by these attributes.

Multiple Seal Numbers for Outbound Trailers

RDM Trailer Shipping screen now accepts the entry of multiple Seal Numbers. This functionality supports a single trailer that is making multiple delivery stops. Each Seal Number is captured and produced on paperwork. This is user configurable.

Warning Messages for Close and Ship Trailer Functions

The Close and Ship trailer functions in 10.3 warn users of additional tasks remaining for destinations on the trailer. The types of tasks that prompt warnings are user configurable.

Technology Enhancements

- Upgrade to Oracle 9i Database Server, Release 2 (9.2.0.2)
- Requires Oracle Patch #2474232

Known Issues

N/A