

**Oracle® Retail MICROS Retail-J**  
Inventory Management Overview  
Release 12.1

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# **MICROS Retail-J**

## **Inventory Management**

### Overview

## Revisions

1.1	March, 2015	Added Oracle cover and copyright page.
1.0	July 19, 2013	First published.

## Glossary

Term	Definition
Composite Product	Products which consist of more than one product, for example a mobile phone and an accessory pack could be sold as a single option.
Count Scope	Stock items to be included in a stock count, position snapshot, and position query.
Coupon Product	A product representing a money off a transaction.
Dispatch Chit	A dispatch chit is an abbreviated copy of a dispatch docket that is used by carriers to record receipt of goods for carriage.
Dispatch Docket	At the end of the transaction, if there are items that have not been taken by the customer, a dispatch docket will be printed. This document type is configurable against the delivery type.
HHT	Hand Held Terminal
Loose Items	Items not shipped in a container.
MMG	Merchandise Management Group
Options Product	Products that have a number of options associated with them. These could be priced options such as products or just attributes which provide extra details against the product when it is sold, for example preparation or fabrication options. These options will appear at the POS when the product is being sold. The different options are organised into sets. Each set is presented to the user when the item is sold and an appropriate option is selected.
Position	Calculation of stock levels at a known point in time. This might be represented by a snapshot at one instant or reported as a snapshot net of stock movements and adjustments at a later time.
Product Inventory Allocations	Items which have been requested but not yet delivered.
Promo Voucher Product	This type of product usually has a positive value but when sold (added to the basket) has a zero retail value.
Purchase Order	Orders from a registered supplier.
Rechargeable Voucher	Generally, a card used as a tender. The card stores a value which may be reduced and recharged.
Replenishment Algorithm	Custom replenishment algorithms may be used. The standard replenishment algorithm is: $\text{Replenishment Quantity} = \text{Average Weekly Sales} \times \text{Number of Weeks Cover} - \text{Available Stock net of Stock Movements}$ .
Replenishment Request	A product inventory request to a stockholding location.
Serial Number Product	A product identified by a serial number for tracking purposes.
Snapshot	The expected number of items within a count scope at a given instant at a specified stock holding location.
Stock Adjustment	Stock Adjustments allows you to move stock between available, returned, reserved and damaged states.

Term	Definition
Style Colour Size Product	Products which can have specific styles, colours or sizes associated with them.
Top Up Voucher Product	This type of product implements a mobile phone top up voucher product.
Volumetric Weight	Where configured, volumetric weight in kilograms is calculated by dividing the volume of a package in cubic centimetres by a factor. Typically, for a box, the factor would be 6,000 and for a pallet 3,000. That means the volumetric weight of a pallet is twice as much as the equivalent box volume. For a package of known dimensions, a precalculated volumetric weight may applied to a sale item. If a custom package type is selected, height, width and depth measurements need to be supplied. The volumetric weight can be calculated by dividing the calculated volume by a volumetric weight factor stored against the location profile. Also stored against the location profile are the units for the volumetric weight and dimensions.

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Note: The rebranding for the latest version of this documentation set is in development as part of post MICROS acquisition activities. References to former MICROS product names may exist throughout this existing documentation set.

## 1.0 Inventory Management

Inventory Management provides the functions associated with maintaining store inventory positions. These functions can operate against a local store-based inventory database or against a central or regional database covering multiple stores.

Like sales transactions, all stock transactions and movements are replicated around the network so that head office has a real time view of all inventory movements resulting from goods in, transfers and purchase orders. Head office stock transactions and updates are replicated to the stores so that users can see orders and expected deliveries made by head office.

Product level inventory management is provided together with support for serial number tracking for items such as mobile phones and also style/colour/size products for fashion items. Container (cage) tracking is provided, which together with the container bulk receiving functions can make the goods in process considerably more efficient and practical, especially in smaller stores.

Support portable devices is standard using wireless LAN technology. The configuration used ensures that all of the latest products, prices and inventory positions are available at all terminals without lengthy downloading procedures.

The functions of the Product Inventory application are:

- Product Search
- Stock Enquiry
- Product Enquiry
- Product Exporter
- Expected Deliveries
- Goods In
- Goods Out
- Product Inventory Requests
- Inventory Reservation Requests
- Product Inventory Allocations
- Purchase Orders
- Stock Adjustments
- Tablet/Mobile Device Interface
- Stock Counting
- Replenishment Requests
- Inventory Reports

## 2.0 Product Search

Product Search allows you to locate and view product details.

You can go direct to a product by entering the product ID for a list of possible matches.

Alternatively, you can navigate the MM Group folder hierarchy and enter none, one or more of the following search criteria for the selected level.

- Attribute ID and value; where two attributes are selected from the drop down list, enter the OR operator; where three or more attributes are entered, the AND operator also becomes available.
- Brand from the drop down list
- Range from the drop down list
- Price
- Active Price
- Description; use any part of the product's description to return a list of matches.

You can drill down from the search results to view or maintain the details of individual products.

### 2.1 Product Details

Each product has an extensive range of associated reference data. Options differ according to the product type (POS, Composite, Options, Promo Voucher, Top up Voucher, Coupon, SKU, Fabric, Time Banded, Rechargeable Voucher, News, News Issue, Delivery Charge).

Product Data	Description
Descriptive	Product Code, Type (POS, Composite, Options, Promo Voucher, Top up Voucher, Coupon, SKU, Fabric, Time Banded, Rechargeable Voucher, News, News Issue, Delivery Charge), Locale, Description, Long Description.
POS Messages	Operator Message, Force Message (check box), Customer Message, Receipt Message, Product Information, Return Operator Information.
Prices	Price Change ID, Start Date, End Date, Location Region, Location Type, Trading Region, Customer Classification, Unit Price, Employee Sale Only (check box), Trade Sale Only (check box), WEEE Applies, WEEE Charge.
Maximum Retail Price	Start Date, End Date, Location Region, Location Type, Trading Region, Unit Price.
Applicable Routes	Departure Zone, Destination Zone, Not For Sale (check box) Warn For Multiple Prices (check box).
Loyalty Points	Start Date, End Date, Location Region, Location Type, Trading Region, Loyalty Scheme, Loyalty Points.
Applicable Trading Regions and Locations	Trading Regions, Locations, Location Types.

Product Data	Description
Store Specific Product Details	Minimum Stock Level, Maximum Stock Level, Number of Weeks Cover (weeks), Average Sales Period (weeks), Slow Movers Period (weeks), Slow Movers Period (weeks), Must Stock (check box), Allow Replenishment (check box), Stock Location Reference, Stock Location Pick Printer Group, Prompt for Customs Number (check box), Prompt for Issue Date (check box), Prompt for Place of Import (check box), Print Shelf Edge Label (check box), Default Number of Shelf Edge Labels.
Option Sets	Not displayed unless product is an options product.
Constituent Products	Not displayed unless product is a composite product. Products that are part of this product.
Top Up Voucher Details	Not displayed unless product is a top up voucher product. Voucher Type (card, voucher, e top up, e-top up pack), Print Separate Voucher, Authorise Online, Refund Online, Acquirer ID, Allowed Cancellation Delay (seconds), Issuer Identification/Account Number, Network Description, Product Pack Identifier, Minimum Value, Maximum Value, Minimum Step Value.
Store Default Details	Minimum Stock Level, Maximum Stock Level.
Tax Codes	VAT, US State, US City.
Product Spares	Products that are spares for this product.
Classification	Merchandise Management Group ID, Web Merchandise Group ID, Product Group ID.
Dimensions	Unit of Size, Height, Length, Width, Unit of Weight, Weight, Pack Quantity.
General	Allow Cost Price by Location, Cost Price, Allow Standard Unit Price, Item Units (Unit, Weighed, Liquid, Length), Units of Measure (selection depends on Item Units; for example Liquid Items could be Litre, Millilitres or Gallons), Units Decimal Places, Case Quantity, Add Constituent Prices (check box), Skip External Source Stock Check (check box), Not For Sale (check box), Order Only (check box), Allow Order (check box), Dispatch Only (check box), Force Order (check box), Force Multi Channel Order Basket (check box), Home Delivery Only (check box), Allow Home Delivery (check box), Start Date, End Date, Allow For Loan (check box), Allow As Option C, Brand, Range, Tax Group ID, Item Packages, Adverse Reaction Product, Print Shelf Edge Label.
Style, Colour, Size Details	Not displayed unless product is a style, colour size product.
Perishable Details	Perishable (check box), Shelf Life.
POS Restrictions	Disallow Discount (check box), Disallow Sales (check box), Disallow Returns (check box), Disallow Sales From Reservation (check box), Disallow Allowances (check box), Disallow Price Overrides (check box), Disallow Promotions (check box), Disallow For Customer View (check box), Allow Tax Modification (check box), Cashier Age Restriction, Customer Age Restriction, Returns Time Limit (days), Max Quantity Per Transaction, Non Exportable (check box), Allow reservation of remote stock (check box), Allow reservation of stock from an expected delivery (check box), Reservation limit.
POS Data Capture	Force Price Entry (check box), Disallow Zero Price Entry (check box), Ignore Price In Transaction (check box), Force Quantity Entry (check box), Disallow Quantity Entry (check box), Force Use Scales (check box), Product Entry By Serial Number (check box), Force Capture Serial Number (check box), Serial Number Validator, Force Capture Reference Number (check box), Reference Number Validator, Force Reason Code (check box), Force Capture Name Address (check box), Force capture Name and Address Item/product level (check box), Use Combined Name/Address Form (check box), Force Post Code Lookup (check box), Force Salesperson Capture (check box), Prompt for Pair (check box), Prompt for Deposit (check box), Prompt for free text entry at Point Of Sale (check box), Prompt for Customs Number (check box), Prompt for Issue Date (check box), Prompt for Place of Import (check box).



Product Data	Description
POS Discounts	Maximum Discount, Maximum Employee Discount, Product Discount Group, Product Tender Group, Promotion Quantity Multiplier.
POS Receipt	Print in Kitchen (check box), Force Print Receipt (check box), Number of Copy Receipts, Force Customer Signature Slip (check box), Print Product Return Slip (check box).
POS Actions	Open Cash Drawer None, Open Cash Drawer At Product Sale, Open Cash Drawer At Total, Open Cash Drawer At End Transaction.
POS Product Details	Display Image (check box), Product Information URL, Force display of Product Information (check box), Supporting Document URL, Supply Chain Information URL, Product Spares Information URL, Return Product Information URL.
Associated Products Check	Check for Products in a MMG, Check for Products Totalling.
Stock Details	No Inventory Tracking, (check box), Allow Negative Stock (check box), Track Serial Numbers (check box), Force Check of Inventory Level (check box), Locate Inventory (check box), Picked Inventory (e.g. not held on sales floor) (check box).
Product Replenishment Details	Minimum Stock Level, Maximum Stock Level, Number of Weeks Cover (weeks), Average Sales Period (weeks), Slow Movers Period (weeks), Must stock (check box), Allow Replenishment (check box).
Order	Lead Time, Deposit Percentage.
Pack Size Details	Direct Store Delivery (check box), Pack Size.
Automatic Tenders	Cash, Euro, Dollars, Deposit Account, Employee Account, Credit Note, Coupon. Usage (fixed value, remaining amount).
Pre-Order Details	Pre-Order Product (check box), Expected Product ID, Expected Release Date.
Product Warranty Details	Free text for Product Information, Product Warranty Details, Return Product Information, Information Displayed for Sales Only (check box).
Product Attributes	Select from attributes set in Data Maintenance > Products and Prices > Attributes.
Alternative Products	Build list of alternative products if applicable.
Edit Product Inventory Levels	This is not recommended for trading operations. It should be restricted by role, reserved for support personnel and underpinned by an estate backup policy.
Selling Codes	Build a list of selling codes if applicable.
Product Image	Store image in the database (check box), Specify image filename only (check box), Image Filename, Upload New Image (command).
Chain of Custody	Chain of Custody Flag, Chain of Custody Number.

### 3.0 Stock Enquiry

This screen enables you to search for stock details on a particular product. Otherwise, the Search icon takes you to the Product Search screen.

Results are displayed below the enquiry criteria, they contain the product details defined in “Product Details” on page 5.

If you opt to Check Supply Chain/Required Stock, Retail-J will attempt to communicate with central systems to determine the stock availability and lead-time for the item and stock amount entered.

The enquiry may report the level of stock which has been “sold pending”. This occurs when an item is sold at the POS and the serial number does not exist, that is because a delivery has not yet been processed. If a delivery is subsequently processed and the serial number is recorded, the status will be changed to sold.

If the selected product is serial number tracked, you can use the serial numbers icon to view the associated serial numbers.

Alternative products are also displayed in a table, where specified via Products and Prices. This means that you can select an alternative product if the original choice is unavailable.

If there is a quantity of the item expected, the list deliveries icon will take you to the Item Expected Delivery Report.

### 3.1 Stock Enquiry (Item Expected Delivery Report)

This report displays the expected delivery dates and quantities for the selected item.

#### Stock Enquiry

Expected delivery dates and quantities for item x4 are shown below. Click the icon to view the delivery.

Options	Expected Delivery Date	Expected Quantity
	03/06/13	3
	29/05/13	2
	16/05/13	167
Total Expected Quantity		172
		

## 4.0 Product Enquiry

A Product Enquiry offers more extensive information than a Product Search. The screen is shown in two parts below.

## Product Enquiry

Enter Product Code	x4	→ ∞
Enter Product Set ID		→ ∞
Select Location Type	Store	▼
Select Location ID		UK Store 5 ▼

Product Details		Inventory Details	
Product ID	x4	Available Stock	65
Description	Android Smart Phone	Reserved Stock	0
MM Group	Phones	Returned Stock	0
Cost Price	£0.00	Damaged Stock	8
Price	£25.00	In Transit Stock	0
Status	Active	Customer Ordered Stock	2
<b>View Product</b>	→	Disposal Stock	2
<b>View Product Image</b>	→	Display Stock	0
		Available For Loan Stock	4
		On Loan Stock	3
		Storage Stock	14
		Qty on Order	167
		Qty Expected	172
		Date of Last Sale	20/06/13
		Date of Last Stock Count	-
		Date of Last Movement	19/07/13

Price History	
15/07/13 00:00	Region: All, Type: All
20/07/13 23:59	£25.00
21/07/13 00:00	Region: All, Type: All
26/07/13 23:59	£30.00

Suppliers	
	Smart Phones Are Us →

Sales History	Quantity	Value
Sales This Week	0	£0.00
Sales Last Week	0	£0.00
<b>View Reports</b>	→	
<b>View Stock Movements</b>	→	



Product Display Locations		
Unit	Column	Row
-	-	-

Recent Orders		
Product Inventory Requests		
	PIR005255	19/07/13 00:00
	PIR005248	18/07/13 00:00
	PIR005241	17/07/13 00:00
	PIR005234	16/07/13 00:00
	PIR005227	15/07/13 00:00
	PIR005220	14/07/13 00:00
	PIR005213	13/07/13 00:00
	PIR005206	12/07/13 00:00
	PIR005199	11/07/13 00:00
	PIR005192	10/07/13 00:00
	PIR005186	09/07/13 00:00
	PIR005176	08/07/13 00:00
	PIR005170	07/07/13 00:00
	PIR005163	06/07/13 00:00
	PIR005157	05/07/13 00:00
Expected Deliveries		
	EDY00512	03/06/13
	EDY00511	29/05/13
	EDY0053	16/05/13
Recent Stock Movements		
Goods In		
	ADHOC67:01	19/07/13 11:34

The content of the screen is described in the following table.

Section/Command	Description
Search Criteria	Product Code, Product Set ID, Location Type, Location ID

Section/Command	Description																																																																										
Product Details	Product ID, Description, MM Group, Cost Price, Price, Status																																																																										
View Product	All the information against a product is shown as defined in “Product Details” on page 5																																																																										
View Product Image	Displays a product image where defined																																																																										
Price History	List of price changes for locations and durations																																																																										
Suppliers	View Supplier Product; View Purchase Orders; View Supplier Record																																																																										
Sales History	This week, Last week quantity and value																																																																										
View Reports	View any Operational Report; equivalent to Operations > Reports > Operational Reports																																																																										
View Stock Movements	<div><div>Stock Movements</div><div></div><div>You are viewing Stock Movements for product x4 at location UK Store 5.</div><table><thead><tr><th></th><th></th><th>This Week</th><th>Last Week</th><th>This Month</th><th>Last Month</th><th>This Period</th><th>Last Period</th></tr></thead><tbody><tr><td rowspan="3">Goods In</td><td>Quantity</td><td>0</td><td>0</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr><tr><td>Retail Value</td><td>£0.00</td><td>£0.00</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr><tr><td>Cost Value</td><td>£0.00</td><td>£0.00</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr><tr><td rowspan="3">Goods Out</td><td>Quantity</td><td>0</td><td>0</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr><tr><td>Retail Value</td><td>£0.00</td><td>£0.00</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr><tr><td>Cost Value</td><td>£0.00</td><td>£0.00</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr><tr><td rowspan="3">Stock Adjustments</td><td>Quantity</td><td>0</td><td>0</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr><tr><td>Retail Value</td><td>£0.00</td><td>£0.00</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr><tr><td>Cost Value</td><td>£0.00</td><td>£0.00</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr></tbody></table><div> </div></div>			This Week	Last Week	This Month	Last Month	This Period	Last Period	Goods In	Quantity	0	0	N/A	N/A	N/A	N/A	Retail Value	£0.00	£0.00	N/A	N/A	N/A	N/A	Cost Value	£0.00	£0.00	N/A	N/A	N/A	N/A	Goods Out	Quantity	0	0	N/A	N/A	N/A	N/A	Retail Value	£0.00	£0.00	N/A	N/A	N/A	N/A	Cost Value	£0.00	£0.00	N/A	N/A	N/A	N/A	Stock Adjustments	Quantity	0	0	N/A	N/A	N/A	N/A	Retail Value	£0.00	£0.00	N/A	N/A	N/A	N/A	Cost Value	£0.00	£0.00	N/A	N/A	N/A	N/A
		This Week	Last Week	This Month	Last Month	This Period	Last Period																																																																				
Goods In	Quantity	0	0	N/A	N/A	N/A	N/A																																																																				
	Retail Value	£0.00	£0.00	N/A	N/A	N/A	N/A																																																																				
	Cost Value	£0.00	£0.00	N/A	N/A	N/A	N/A																																																																				
Goods Out	Quantity	0	0	N/A	N/A	N/A	N/A																																																																				
	Retail Value	£0.00	£0.00	N/A	N/A	N/A	N/A																																																																				
	Cost Value	£0.00	£0.00	N/A	N/A	N/A	N/A																																																																				
Stock Adjustments	Quantity	0	0	N/A	N/A	N/A	N/A																																																																				
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	Cost Value	£0.00	£0.00	N/A	N/A	N/A	N/A																																																																				
Inventory Details	Available Stock, Reserved Stock, Returned Stock, Damaged Stock, In Transit Stock, Customer Ordered Stock, Disposal Stock, Display Stock, Available For Loan Stock, On Loan Stock, Storage Stock, Qty on Order, Qty Expected, Date of Last Sale, Date of Last Stock Count, Date of Last Movement																																																																										
Recent Orders	Product Inventory Requests, Expected Deliveries																																																																										
Recent Stock Movements	List of stock movement by type																																																																										

## 5.0 Expected Deliveries

The Expected Deliveries application allows external systems or the Retail-J head office system to indicate the future dates and contents of deliveries to the stores. Expected Deliveries can be from a warehouse, distribution centre, supplier or another store.

Expected Deliveries are automatically created when processing purchase orders or product inventory requests.

Purchase orders raised to suppliers directly from a store can be set up to create local expected deliveries automatically. As well as the basic contents of a delivery, the expected delivery details can include a list of containers and loose items to expect and their contents and, depending on the type of product, also a list of item serial numbers.

Expected deliveries move from created, to partially complete, to complete. A delivery can be completed over multiple goods in operations.

Items can be recorded by quantity or serial number.

## Expected Deliveries

Expected Deliveries allows you to set up expected deliveries of loose items. To continue working on an existing delivery, select it from the list below. To create a new expected delivery click create new.

Select a location:	Type <input type="text" value="Store"/> Name <input type="text" value="UK Store 5"/>
Status	<input type="text" value="(All)"/>
Start Date	<input type="text" value="01/01/13"/>
End Date	<input type="text" value="24/07/13"/>
Customer Orders	<input type="text" value="(All)"/>
Apply Filter	

All deliveries which meet the criteria are listed below.

Options	Expected Delivery ID	Original Order ID	Original Goods Out ID	Source Name	Status	Delivery Date
	EDY00512	-	GDO0045	UK Store 4	Approved	03/06/13
	EDY00511	-	GDO0044	UK Store 4	Partially Complete	29/05/13
	EDY0053	PO0052	-	Smart Phones Are Us	Partially Complete	16/05/13
	EDY0056	-	PIR00517:01	UK Store 4	Cancelled	18/04/13
	EDY0051	-	-	UK Store 4	Approved	04/04/13

Create a new delivery ➔

## 6.0 Goods In

Goods in allows you to receive and record deliveries of loose items and containers. Both expected and ad hoc deliveries can be recorded. Goods can be received from a store, distribution centre, warehouse or supplier.

Deliveries can be in two or more stages, for example where first containers are checked in, then loose items and then the container contents. The system allows expected deliveries to arrive over a period of time in separate consignments and will link back to original orders and requests. Goods In where the expected delivery information has not been received can be received and matched retrospectively.

Items can be recorded by quantity or serial number. Serial numbered items are tracked into the store and monitored until sold.

Containers and individual items can be checked in using wireless devices.

Products not within the product catalogue can be recorded.

To continue working on an existing delivery, select it from the list. To create a new delivery select an expected delivery from the list or select "Create Ad hoc Delivery".

The goods in record that is created represents the delivery exactly. If the delivery is short of that which is expected, then the expected delivery will be marked as partially completed. Otherwise the expected delivery will be marked as complete.

## 7.0 Goods Out

Goods Out allows all stock leaving the store to be recorded and accounted for. This could be a return to a supplier or in response to a transfer request such as an inter-branch Transfer. Goods Out can be ad hoc or requested, for example with an inter-branch transfer. Deliveries resulting from a request can be

linked back to the original request. Goods leaving the store can be recorded on portable wireless devices.

Goods Out allows you to allocate and dispatch consignments of loose items and containers.

Both requested and ad-hoc consignments can be created.

Partially complete consignments can be stored and revisited.

Items can be recorded by quantity or serial number.

Products not within the product catalogue can be recorded.

## 8.0 Product Inventory Requests

Product Inventory (replenishment) Requests allow a store to make manual or automatic requests from another stock holding location within the organisation. Manual requests can be made through the application, typically for a small range of items, or replenishment requests can be generated automatically from current stock levels and projected sales.

Partially complete requests can be stored and revisited.

A request moves from created to submitted to partially complete to complete.

The request is passed to where the stock is being sourced. An expected delivery can then be created in response to the request.

You can select from existing Product Inventory Requests or you can create a new one.

## 9.0 Inventory Reservation Requests

When a customer orders a quantity of a product at the POS (or via the Back Office), available stock needs to be located within the estate. An Inventory Reservation Request reserves that quantity of that product at the stock holding location.

## 10.0 Product Inventory Allocations

Product Inventory Allocations allows you to view and edit quantity details of items which have been requested but not yet delivered.

## 11.0 Purchase Orders

Purchase Orders allows you to order items from suppliers registered with your organisation.

You can create, maintain, delete, approve and submit a Purchase Order.

Purchase Orders can be downloaded as PDF documents.

Once approved, the Purchase Order cannot be changed and the status of the order changes to Approved.

## 12.0 Stock Adjustments

Manual stock adjustments are actioned from Operations > Product Inventory > Stock Adjustments. Automated stock adjustments occur in the following circumstances:

- Where a customer order is created at the POS, the application adjusts the ordered stock from available to reserved.
- During stock transfers between locations, when a delivery is closed on the Expected Delivery Maintenance page.
- When a delivery is over accepted during a Goods In operation; stock adjustments are generated automatically.
- When a stock count is processed, adjustments are applied to override actual with counted stock.

## 13.0 Replenishment

Replenishment uses a standard or customised replenishment algorithm. The result of a replenishment run is a Product Inventory Request.

You can approach replenishment from an estate, store or mixed perspective and with varying levels of automation. Options include:

- Estate Manager replenishment requests for stores
- Individual store replenishment requests
- Suggested order reporting. The result of creating an order from a Suggested Order report is either a Purchase Order if the product is a supplier product or a PIR if the product is not a supplier product.

## 14.0 Stock Counting

Retail-J stock counting can be used for running perpetual inventory counts or performing bulk stocktaking within the store. Different parts of a store or sections/sub-sections of the store's merchandise can be scheduled for counting with physical counts taking place at the same time as trading.

A record of inventory is maintained at the store and at the estate manager.

The extent of a stock count is specified by a stock count scope.

Stock counts are controlled by session. The stock count session is associated with a stock count scope.

At the start of a stock count session, a snapshot of expected stock levels is taken for the stock count scope.

A warning of changes since the beginning of a stock count session is generated on completion of the count.

A configurable number of recounts are allowed.

Counts can be configured at the estate manager and sent to the store in advance of the count date.

Stock count scopes can be set up and stored as a template or created individually. Regular or repeating counts can be defined.

There is a Hand Held Terminal interface for stock counting.

Serial number tracked items are recorded individually and discrepancies highlighted.

A two-stage sign-off process allows head office or area managers control over the final acceptance of stock discrepancies.

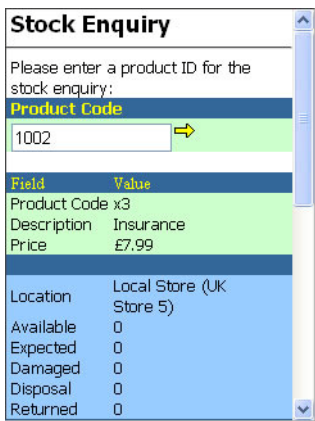

Blind stock checks are available by setting a flag at the estate manager to hide the expected stock counts from the store staff.

Stock levels can either be adjusted or overwritten at count acceptance.

Store stock levels can be viewed from the estate manager, store or any remote location with browser access at any time.

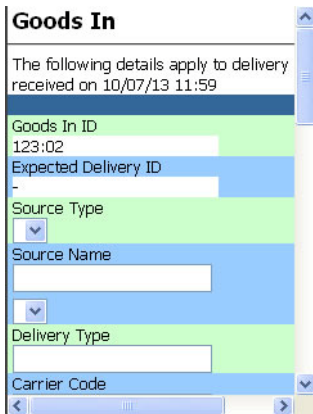
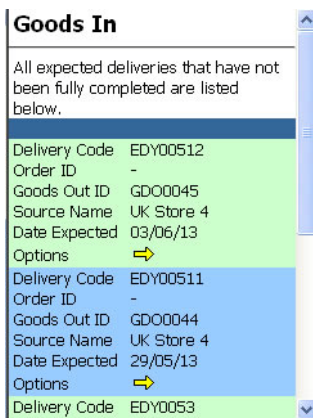
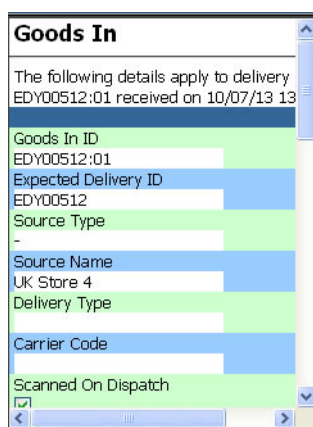
## 15.0 Mobile Inventory Management




Inventory management tasks can be carried out using the HHT inventory management user interface running on HHT, Tablet or mobile devices.

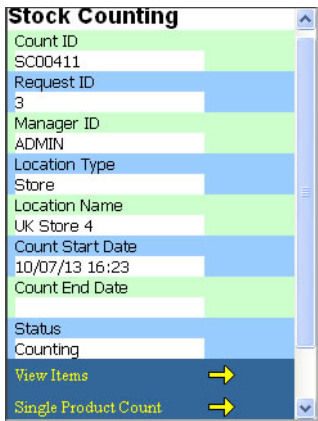


Feature	Screen	Notes
Stock Enquiry		
Price Check		A price check shows the current price, next price and a price history icon.



Feature	Screen	Notes
Price Check (History)		Select the price history icon on the price check screen for details of current and next prices.
Price Comparison		An expected price is entered for a given product and any resulting price difference is shown.
Goods In Menu		Select from a list of current deliveries, select an expected delivery or create an ad hoc delivery.
Create Ad hoc Delivery		Enter delivery code from the delivery note.

Feature	Screen	Notes
	 <p><b>Goods In</b></p> <p>The following details apply to delivery received on 10/07/13 11:59</p> <p>Goods In ID 123:02</p> <p>Expected Delivery ID -</p> <p>Source Type ▼</p> <p>Source Name [Text Field]</p> <p>Delivery Type ▼</p> <p>Carrier Code ▼</p>	<p>Enter the details of the Ad hoc delivery. All the details are available for entry as in the standard interface, namely: Source Type; Source Name; Delivery Type; Carrier Code; Whether Scanned on Dispatch; Delivery Date (automatically completed); Status (automatically completed); Notes; Instructions; User ID (automatically completed); Total Items (automatically completed); Edit Containers; Edit Items; Accept Delivery; Reject Delivery.</p>
Select Expected Delivery	 <p><b>Goods In</b></p> <p>All expected deliveries that have not been fully completed are listed below.</p> <p>Delivery Code EDY00512 Order ID - Goods Out ID GDO0045 Source Name UK Store 4 Date Expected 03/06/13 Options →</p> <p>Delivery Code EDY00511 Order ID - Goods Out ID GDO0044 Source Name UK Store 4 Date Expected 29/05/13 Options →</p> <p>Delivery Code EDY0053</p>	<p>This is the second option on the Goods In Menu above. From here, you select an Expected Delivery.</p>
Process Expected Delivery	 <p><b>Goods In</b></p> <p>The following details apply to delivery EDY00512:01 received on 10/07/13 13</p> <p>Goods In ID EDY00512:01</p> <p>Expected Delivery ID EDY00512</p> <p>Source Type -</p> <p>Source Name UK Store 4</p> <p>Delivery Type</p> <p>Carrier Code</p> <p>Scanned On Dispatch <input checked="" type="checkbox"/></p>	<p>Enter the details of the expected delivery. Most details have already been completed. It just remains to confirm the containers and items (see below) contained in the delivery and accept or reject the delivery.</p>

Feature	Screen	Notes
Add Items to an Expected Delivery		Note, this is a serial numbered item. In this instance, the application has been configured to track serial numbered items.
Goods Out Menu		From the Goods Out menu, you can view and complete consignments or create an Ad hoc consignment.
Stock Counting - Select Scope		Physical stock counting is an ideal application for portable devices. Select a pre-specified count scope. A stock counting job is started and a stock counting session created, ready for the recording of physical stock.

Feature	Screen	Notes
Record Stock		You can view stock count items or start recording stock. Using multiple or single product count options.
Single Product Count		Add To Count increments the existing inventory of the product with the current counted quantity. Overwrite Count overwrites the existing inventory of the product with the counted inventory.
Stock Adjustments		Stock Adjustments allows you to view existing adjustments or create new adjustments.

## 16.0 Reporting

The following inventory reports are available from Operations > Product Inventory > Inventory Reports in the standard system (reports are likely to differ from implementation to implementation):

- Product Inventory Status Report (by unit); filtered by Location Region, Location Type, Company, Location, Department, Brand, Range, Inventory Type, Stock Level (greater than etc).
- Product Inventory Status Report (by value); filtered by Location Region, Location Type, Company, Location, Department, Brand, Range, Inventory Type, Stock Level (greater than etc).
- Product Inventory Valuation Report; Product Inventory Status Report (by value); by Location

Region, Location Type, Company, Location, Department, Brand, Range, Inventory Type, Stock Level (greater than etc).

- Suggested Orders Report; applies the standard replenishment algorithm to stock levels by location. The result is a suggested order for which Purchase Orders can automatically be generated for external suppliers or Product Inventory Requests generated for inventory sourced internally.

## Suggested Orders Report

Company: All

Listed below are the suggested orders for all products for UK Store 5 which meet the following criteria:

Department: Phones.

Show products below the minimum re-order level.

UK Store 5					
Product ID	Description	Available	Min Level	Max Level	Suggested Order
Department 3 - Phones					
12001	Hands Free Kit	-5	0	0	0
x4	Android Smart Phone	2	170	250	170

- Purchase Order Status Report; filtered by Date Range, Location Region, Location Type, Company, Location, Supplier, Order Status, Order Value

## Purchase Order Status Report

You are viewing Purchase Orders with the following criteria:

Location ID: UK Store 4

Status: All

Item Code: All

Company: All

Location Type: 2

Supplier: All

Total Order Value: All

Options	Order ID	Supplier	Status	Total Order Value	Date Raised
	PO0042		Submitted	£95.00	24/04/13 14:16
	PO0043		Submitted	£113.00	24/04/13 14:38

- Goods In Difference Report; reports on discrepancies between ordered and delivered quantities. The report is selected by Date Range, Location Region, Location Type, Company, Location, Discrepancy Quantity Above, Discrepancy Quantity Below, Originating Location Type, Scanned or Non Scanned Items and Partial Deliveries included or not.
- Partially Complete Expected Deliveries Report; reports on the difference between expected and delivered quantities. The report is selected by Date Range, Location Region, Location Type, Company, Location, Number of Days Late, Originating Location Type, Scanned or Non Scanned Items.

## Partially Complete Expected Deliveries Report

You are viewing the Partially Complete Expected Deliveries Report for the following criteria:

Location: UK Store 4

Company: All

Expected: Between 27/01/13 and 09/07/13

UK Store 4							
Options	Delivery Code	Total Difference	Delivery Status	Scanned On Dispatch	Source Name	Date Expected	Days Late
	EDY0043	3	Partially Complete	<input checked="" type="checkbox"/>	UK Store 5	17/04/13	83
  							

- Stock Count Details Report; reports by Date Range, Location Region, Location Type, Company, Location, CountID and Product on First Count Date, Final Count Date and number of counts.
- Stock Count History Report; reports on Total Counts, Counts/Week, Late Counts, Average Days Late and Average Count Time (minutes) by Date Range, Location Region, Location Type, Company, Location; Count Request ID; Number of Days Late; Minimum and Maximum Discrepancy