

How to filter SOP order picking using Order Routes

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Objective:

The system has a facility to filter or prioritise the SOP orders being picked using the warehouse terminals, such that different orders can be routed to particular pickers, or priority can be attached to certain orders.

Different pickers may be employed on certain product families, or different products may be stored at different locations, fork-lifts may be required to despatch heavy items, or specialist engineers carry out pre-delivery inspection.

This is the role of 'Order Routes'. An Order Route is defined as a set of rules, which allow for Orders to be streamed to different terminals.

There is a factory default Order Route called 'ALL ORDERS'. There is no upper limit to the number of additional Order Routes that could be defined.

The SQL Criteria

Each 'Order Route' is built using an SQL statement. This provides a high level of flexibility.

Example SQL filter:

Name of the Order Filter	Example SQL Statements
All Garage Orders (customer orders begin with 'G')	Cust_Order_Number LIKE 'G%'
Preferential Customers	Account_Ref = 'ABC001'
Orders to a group of customers	Account_Ref IN ('ABC001','BBC001','XYZ')
'Customer Collects' written in the Notes field	(Notes_1 = 'COLLECT' OR Notes_2 = 'COLLECT' OR Notes_3 = 'COLLECT')
All orders more than 5 days old	DateDiff (day,Order_Date, getdate()) > 5
Shipping arranged with a specific Courier	Courier = 4

All orders with 30 minute delay (gives time for Sales teams to make any amendments before picking commences).	DateDiff (minute,OrderCreatedDateTime, getdate()) > 30
Urgent Orders Only	Priority >= 5
Only Orders with Due Dates	Despatch_Due_Date IS NOT NULL

Technical Support; For assistance with setting the SQL Filter please contact our support team on 01509 620606.

The SQL Sort Order

The list of selected orders meeting the criteria above can be sorted by one or more fields.

Examples:

Name of the Order Filter	Example SQL Statements
Priority Orders appear first; then oldest first. (DEFAULT)	SOP.Priority DESC, SOP.Order_Number
By order number	SOP.Order_Number
Grouped by Customer, then by Order Number.	SOP.Account_Ref, SOP.Order_Number
Newest Order First	SOP.Order_Date DESC
By Despatch Due Date	SOP.Despatch_Due_Date <i>Note: Any orders without a Due Date are listed following those that have.</i>

Product Filtering

An Order Route can be configured to only encompass orders which **INCLUDE** predefined products, such as heavy, valuable, or specialist items.

Conversely, an Order Route can be configured to **EXCLUDE** orders which contain predefined products.

User Selection

After pressing 'Order Despatch' from the main menu when there are 2 or more Order Routes defined, the user is presented with a list of the Order Routes. The required route can be selected from this list. If there is only 1 Order Route, then the selection screen is bypassed.

The chosen Order Route stays resident until the user log's-off. Logging-on will prompt for a new Order Route.

Including only New or Part-Delivered orders

By Default, an order route will contain both new orders entered and part-delivered orders.

Summary of options:

Option	Notes
Include New and Part Delivered orders	Default.
Include New orders only	Only show orders where nothing has been delivered.
Include Part-Delivered orders only	Only show orders which have been previously part-delivered. Suitable for listing only back-orders.

Product Shortages

By Default, an order route will contain all orders, regardless of whether there is sufficient quantity of free stock available to meet demand.

This can be changed to take the Quantity of Free Stock into effect.

Summary of options:

Option	Notes
Include all orders regardless of shortages	Default.
Include orders with at least 1 item	There must be at least 1 item on the order that can be picked. This option is best combined with back-orders, see 'Including New and Part-Delivered orders' above if you want an order to "pop" onto a list whenever new stock has arrived in-stock.
Only include if there are NO shortages.	There must be sufficient free stock to allow <u>all</u> items on an order to be picked. This option reduces the likelihood of orders being part-shipping.

Please note this criteria doesn't apply to non-stock items, special items (S1, S2, S3) or to MEMO lines.

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