cross docking in warehouse management

Cross-Docking

The purpose of cross docking is to save time and effort in the warehouse. For instance, if stock is arriving on an inbound delivery and it is to go out on an outbound delivery, you can prepare for this with cross docking as there is no use putting stock away only to take it out again.

Here is what SAP says:

Reserve storage areas are generally used to supply materials for goods issue. When you bypass the warehouse, the material is not removed from a reserve storage area. Instead, the material for a goods issue is taken directly from the goods receipt interim storage area. In this way, you avoid transferring material from the goods receipt area into the warehouse and then from the warehouse to the goods issue interim storage area. As a result, the material reaches the goods issue area sooner.

Within WM, pre-allocated stock is typically material that is required for goods issue, for example, backordered stock, material needed in production or material requested by a customer, which is not in the warehouse. When you create a transfer order to place material into stock, the system checks to see if the material is designated as "pre-allocated". If so, the system displays a message identifying the goods as pre-allocated stock.

Cross Docking is typically used to bypass the WM stock placement removal rules for urgently needed stock. Using cross docking avoids the need to GR stock, place it into a WM storage type and then generate another pick Transfer order to move the stock to the Goods issue area for subsequent despatch. It's a fast track process.

It is documented well in SAP help but here are some notes:

For the relevant movement types for goods receipt, you set the pre-allocated stock indicator. If a material is needed for production or for a customer order but it is not in stock in the warehouse, you enter it into the stock-out table.

To set up the relevant movement type for active bypass:
1. Choose Logistics Execution Warehouse Management Activities Transfers
2. Define movement types in Customizing for Warehouse Management.
3. After you select the movement type, select Consider Pre-alloc. (in the Control area of the screen).

To enter material into the stock-out table:

The system displays a list of entries in the stock-out table.

Change View "Pre-Allocated Stock": Overview

<table>
<thead>
<tr>
<th>Material</th>
<th>Pnt</th>
<th>Stor Loc</th>
<th>Qty</th>
<th>Bch</th>
<th>Spec Stock No.</th>
<th>Ty</th>
<th>Stor Bin</th>
<th>Target qty</th>
<th>Actual quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>2HMTEST</td>
<td>1800</td>
<td>6601</td>
<td>18</td>
<td>981 01-02-081</td>
<td>10</td>
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</tbody>
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