PCBA Allocation Demo of System Logic/Algorithm

This document demonstrates how the logic works step by step in order to make users better understand and connect the data with logic.It is automatically calculated in the system algorithm, and Users do not need to perform these steps. The output report is already an allocation result.



Step 1, Offset 3A4 OSSD - Fetch global backlog data from 34A report and offset OSSD.

Step 2, Ranking GLO 3A4 – Prioritize orders according to the Ranking Logic. This prioritization is to sort all orders globally regardless of sites, CPN, BU etc.

Diagram

Description automatically generated

1

2

3

4

5

2

1. Sort orders in the sequence of order priority PR1 > PR2 > PR3 > L4 > BUP > Blank. Blank refers to normal orders which have the least priority.

Application, table, Excel

Description automatically generated

1

1. Sort orders by OSSD from the earliest to the latest.

2

Application, table, Excel

Description automatically generated

1. “YE” (year end) order ranks higher than non-YE order.

Graphical user interface, application, table, Excel

Description automatically generated

3

1. Orders with smaller qty get higher priority.Graphical user interface, application, table, Excel

   Description automatically generated

4

1. Check Revenue Order Vs Non-Revenue. YES(Revenue) order comes first.

5

Graphical user interface, application, table, Excel

Description automatically generated

Finally, the global 3A4 orders are sorted in a sequence based on the ranking logic, each line item gets a ranking number, the smaller # gets higher priority.

Application, table, Excel

Description automatically generated

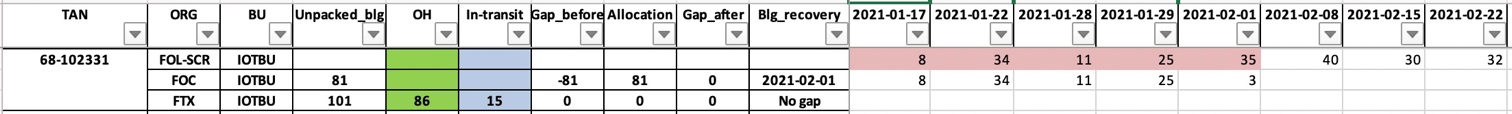
Step 3, Limit TAN per sourcing rule - For example, if you want to allocate the PCBAs that are sourced from FOL site, the logic checks the sourcing rules and delete order lines that are not sourced out of FOL, which is why the “SS\_overall\_ranking #” is not in a consecutive order.

Application, table, Excel

Description automatically generated

Step 4, OH allocate to site 3A4. Step 5, Intransit allocate to site 3A4

Now we get to allocate the supply. Site’s On Hand and Intransit inventory will be only allocated to orders of that particular site based on the order ranking.

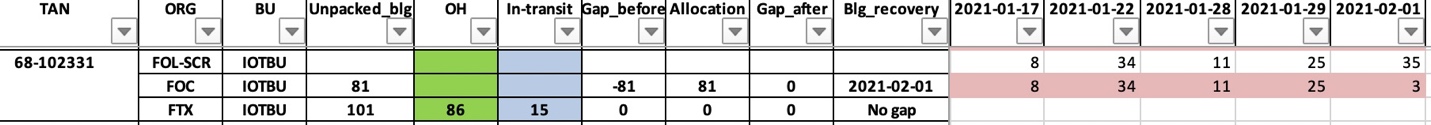


Graphical user interface, application, table, Excel

Description automatically generated

Step 6, SCR allocate to global 3A4

After OH and Intransit inventory are allocated, it comes to SCR supply. For the example below, FOC do not have OH and Intransit, so FOC orders are all fulfilled from SCR allocated.



Table

Description automatically generated

***68-102331 allocation demo***

Table

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