ETA Calculator

Summary:

The purpose of this tool is to provide an ETA based on existing sales history for specified Sku.

1. What is it you want to know exactly?
   a. Based on available sales history can I calculate an ETA quicker than submitting a case?
2. What is your hypothesis on this?
   a. While understanding that not all circumstances for product availability will be known, this calculator tool can possibly provide an immediate answer while further research is being done.
3. What is a realistic outcome for you?
   a. Customer satisfaction through timely answers. Clients don't want to wait days to hear about an ETA.
4. What will you do with the outcome?
   a. Share with clients
5. Do we have the right data in place?
   a. Yes.

Data Sources:

- Order Inquiry

Notes:

The report will run based on the item Sku ("2nd Item Number")

- Pull the Sku from the first line of the order Inquiry source to provide flexibility to a single reporting tool.
  - Any additional Skus will be ignored.
- Data fields required:
  - Order Date
  - ETA
  - Shipped Date
  - Cancelled Date
  - Order Number
  - Item Number
  - Line Number
  - Quantity
  - Description
  - Order Type
  - Line Type

Processing – Run:

- Validate worksheets
  - o RawData – required data pulled from Order Inquiry
- Capture & clean raw data
  - o While cycling through the raw data, assign the results in these data groups:
    - Last 90 Days
    - Last 180 Days
    - Last 270 Days
    - Last 360 Days
  - o Calculate the Average Days to Ship for each data group
  - o Identify the oldest open order
    - Ignore cancelled orders where there would be no ETA
- Add the new data
  - o Date Added – current date
  - o Item Number
  - o Item Description
  - o 1-90 Days – average days to ship for orders shipped in last 90 days
  - o 91-180 Days - average days to ship for orders shipped in last 91-180 days – historical only
  - o 181-270 Days - average days to ship for orders shipped in last 181-270 days – historical only
  - o 271-360 Days - average days to ship for orders shipped in last 271-360 days – historical only
  - o Oldest Open Order – number of days the oldest open order has been open
  - o Suggested ETA
    - If the 1-90 Days avg is greater than the oldest open order, calculate the ETA based on the 1-90 Days average.
    - If no orders have shipped in 1-90 days and there is an open order, calculate the ETA based on the oldest open order
    - With no orders shipped in 1-90 Days and no open orders, the ETA is "Submit Case" to prompt the user to submit a pricing and availability case.

Processing – Clear:

- Clear any existing rows of data
  - o Leave header row intact.

Processing – Send: - not currently implemented

- Would adding functionality to generate an email with the results be beneficial?
  - o Generate an email with no pre-determined email address
    - Subject line: "Sku XXXXXXX ETA"
    - Body text: leverage code from backlog report to copy results to email body

Version History:

- Version 1.0 – 12/27/2021
  - There have been a few different names used for this tool
    - What's my ETA? – 12/27/2021
    - ETA Estimator – 2/24/2022 (seems redundant!)
    - ETA Calculator – 09/01/2022