

# SAP Business Network for Supply Chain

## Manufacturing Visibility

### Supplier Training Guide

Rev, 11<sup>th</sup> Feb 2023

Public



# Agenda

## Manufacturing Visibility

- Introduction
- Manufacturing Visibility Workflow Diagram

## Manufacturing Visibility Portal User Interaction

- Overall Considerations
- Supplier User Interface
- Excel Support

# Manufacturing Visibility

## In this Chapter You Will Learn About ...

... the benefits of using Manufacturing Visibility functionality

... the Manufacturing Visibility workflow

# Introduction

The manufacturing planning visibility feature allows suppliers to upload CSV files for the sub-types Inventory, Supplier Data, and All. You can also search for these documents by type. Manufacturing planning visibility gives the following capabilities to contract manufacturers and their OEMs:

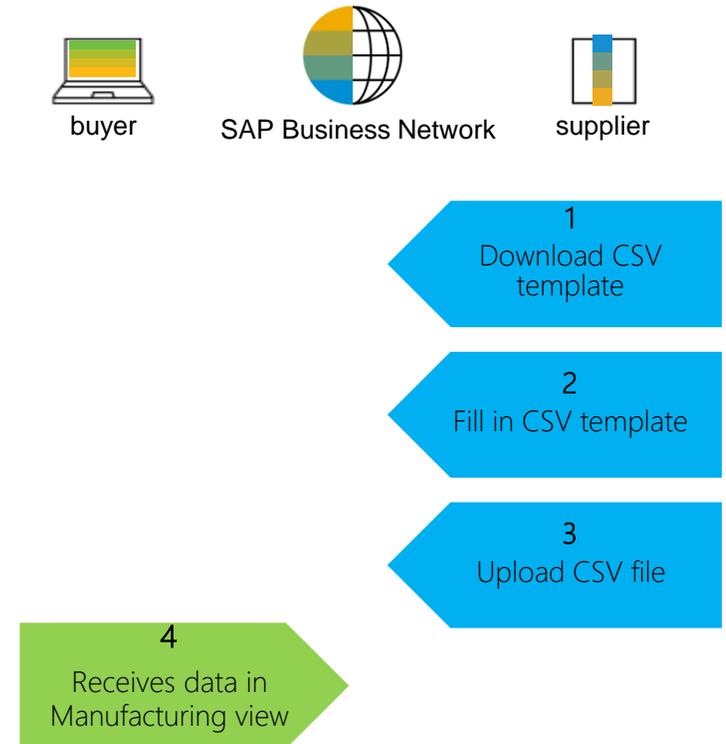
- The supplier can send inventory snapshots to the OEMs
- The buyer can use the information provided by generic framework for upload and download - manufacturing planning visibility upload to drive the planning and supply of transaction elements to contract manufacturers.

# Manufacturing Visibility Workflow Diagram

1. The supplier downloads the CSV file upload template customized for one of the manufacturing planning visibility types.
2. The supplier enters data into a CSV file based on the template selected.
3. After the supplier uploads the manufacturing-planning CSV file, Business Network generates a corresponding cXML file and triggers a transaction based on the cXML file.
4. The buyer receives the manufacturing planning visibility data in the Manufacturing Planning view.

## Note:

- The Buyer must provide the following details to the Supplier to upload the part data :
  - ✦ **Customer AN ID**
  - ✦ **Customer Name,**
  - ✦ **Customer Part numbers,**
  - ✦ **Part Description**
- The buyer can use the information provided by a manufacturing planning visibility upload to drive the planning and supply of transaction elements to contract manufacturers



# **Manufacturing Visibility Portal User Interaction**

## **In this Chapter You Will Learn About ...**

- ... how to edit key figures data in Manufacturing Visibility on portal
- ... how to upload Excel for Manufacturing Visibility

# Overall Considerations

- To configure the **Manufacturing visibility** settings, buyers must be enabled for one of the following:
  - The inventory collaboration component.
  - The forecast collaboration component.
  - SAP Ariba Planning Collaboration, which does not also require SAP Ariba Supply Chain Collaboration.
- Buyers can set the two settings in the Manufacturing visibility section of the **Planning > Settings > Assign suppliers** page:
  - **Planning horizon, in number of days** – This setting controls the number of days in the future that suppliers can send Manufacturing Planning Visibility planning records. The default value is 180 days.
  - **Must match Customer part ID and Customer location with existing records** – When this setting is set to “Yes”, all incoming Manufacturing Planning Visibility planning items are validated to make sure they match at least one existing planning item with an active status sent by the buyer for a planning process. The validation check occurs when suppliers do one of the following:
    - Upload Manufacturing Planning Visibility planning items from the > **Upload/Download > Uploads** tab.
    - **Send cXML product replenishment messages** for Manufacturing Planning Visibility planning items.

# Supplier User Interface

- **Planning > Planning Collaboration** page can search for and display links to documents of the **External manufacturing** inventory process type. Such documents show **Manufacturing Visibility** in the **Process type** column.
- On the details page of an **External manufacturing** inventory process type document, all default key figures are editable by suppliers. Please find a list of key figures:

Key figures	
Available Stock (Quantity)	
Work in progress Stock (Quantity)	
Buffer Stock (Quantity)	
Production Capacity (No. of unit/day)	
Raw material available for part (Quantity)	
Total Delivery Time (Order to Delivery in days)	

# Manufacturing Visibility

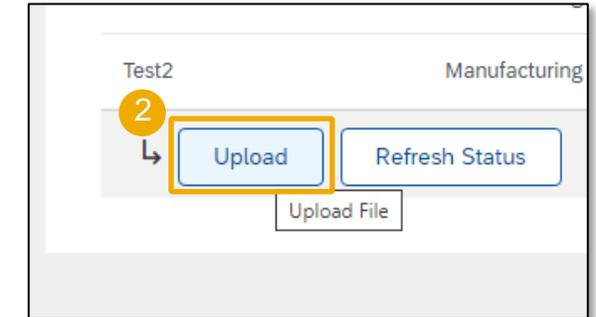
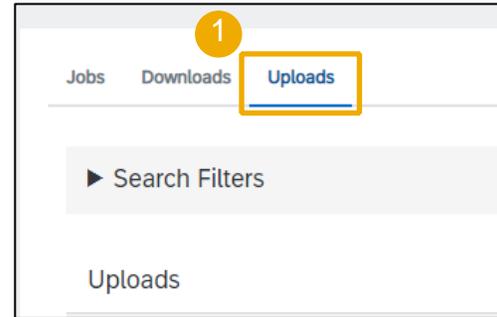
## Initial upload of Customer Part details in CSV File

From the **Uploads/Downloads** screen:

1. Click on **Uploads** sub-tab.
2. Click **Upload** button. A new window will pop up.
3. **Fill in the name for your file** and in the type field choose **“Manufacturing Planning Visibility: Inventory”**.
4. Click **Choose file** and select the file
5. Click **Upload**.
6. Make sure that upload status is **“Completed”**

### Note:

- Please download CSV file template by clicking on **“Download templates”** button



This screenshot shows the 'Uploads' table with the following data:

Name	Type	Last Uploaded	Last Uploaded By	Status	File	Log
MV_endpointand vendor ID	Manufacturing Planning Visibility: Inventory	3 Jun 2020 1:04:19 PM		Completed	↓	↓

# Manufacturing Visibility

## Excel Support

Please find example of excel sheet (.csv) you will be uploading (Buyer will provide the initial data):

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	UTF-8													
2	_csv_version:1.0													
3	System ID													
4	Endpoint ID													
5	Vendor ID													
6	Customer ANID	Customer	Customer	Supplier P	Description	Plant	Storage Lc	Lead Time	Characteristic 1 Domain	Characteristic 1 Value	Characteristic 2 Domain	Characteristic 2 Value	Characteri	Characteristic 3 Value
7			1234			1A1E			Podocument	450001000000010	Production Status	Production Start		
8			1234			1A1E			Podocument	450001000000020	Production Status	Stop Change		
9														
10														
11														
12	Color Chart													
13	These columns can remain the same as you see on this document													
14	These columns are required on the file, you will need to fill these in													
15	This is not required, but would be good to provide													
16														
17														

Column J is the PO# concatenated with the 5 digit line item #. All line items are 5 digits with leading 0s  
 Example PO 4400000001 with line item 50 would look like this:  
 440000000100050

**Please make sure column J is formatted as number, with no decimal places**

Potential Values for column L

Production Start

Stop Change

Partial Production Finish

Production Finish

# Manufacturing Visibility

## Supplier Edits on Portal

- The manufacturing visibility All data file is translated into UI fields.
- Suppliers can **edit** the data once it is uploaded from the UI:

Manufacturing visibility details - External manufacturing visibility view

Buyer name: ABB – Asea Brown Boveri Ltd. - TEST    Customer location: ABB AB    Part no.: 3HAC045114-001    Part description: Tubular shaft

View by:     Starting from:  

[Stock on hand: 1,112 \(\)](#) | [Part details](#)

Key figures	27 Sep 2022	28 Sep 2022	29 Sep 2022	30 Sep 2022	1 Oct 2022	2 Oct 2022	3 Oct 2022
Available Stock (Quantity)	10						
Work in progress Stock (Quantity)	20						
Buffer Stock (Quantity)	30						
Production Capacity (No. of unit/day)	40						
Raw material available for part (Quantity)	50						
Total Delivery Time (Order to Delivery in days)	50						

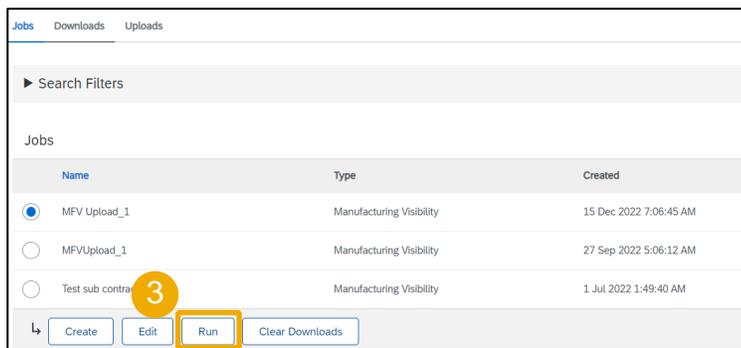
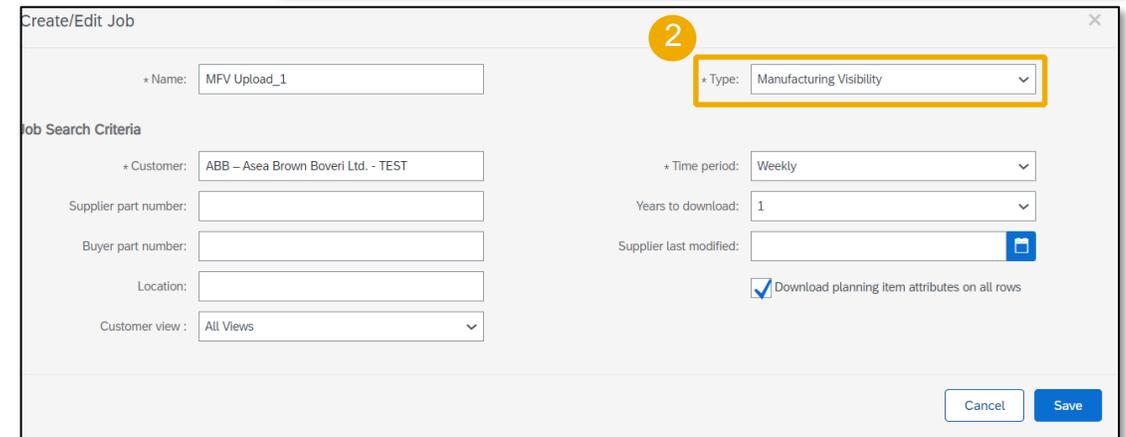
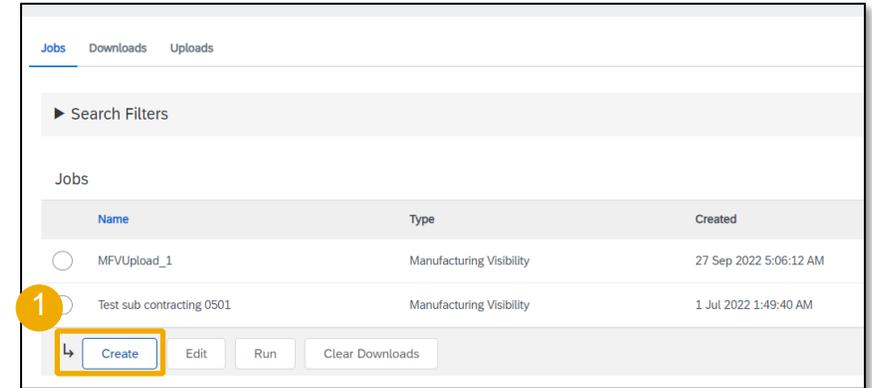
 On track     Above maximum     Below minimum     Out of stock     Lead time

# Manufacturing Visibility

## Excel Support for Mass Upload : Steps 1/2

From the **Uploads/Downloads** screen:

1. Click on **Create** sub-tab. A new window will pop up
2. **Fill in the name for your file** and in the type field choose “**Manufacturing Planning Visibility: Inventory**”.
3. **Run** the Job
4. Download Completed status file



# Manufacturing Visibility

## Excel Support for Mass Upload: Steps 2/3

5. Enter the **key figure data** in excel file for the relevant date and save the file
6. Fill in the **name for your file** and in the type field choose “**Manufacturing Planning Visibility: Inventory**” and upload the file.
7. Check the status as **Completed /Failed** (If failed log can be checked to see the reason)

SAP Ariba  
Ariba Supply Chain Collaboration - External Manufacturing Visibility

Customer ANID	Customer Name	Customer part no.	Supplier part no.	Description	Location	Location Name
AN01478434247-T	ABB - Asea Brown E	3HAC048076-001		Tube shaft	0501	ABB AB
AN01478434247-T	ABB - Asea Brown E	3HAC048076-001		Tube shaft	0501	ABB AB
AN01478434247-T	ABB - Asea Brown E	3HAC048076-001		Tube shaft	0501	ABB AB
AN01478434247-T	ABB - Asea Brown E	3HAC048076-001		Tube shaft	0501	ABB AB
AN01478434247-T	ABB - Asea Brown E	3HAC048076-001		Tube shaft	0501	ABB AB
AN01478434247-T	ABB - Asea Brown E	3HAC048076-001		Tube shaft	0501	ABB AB

Key figures	12 Dec 2022	19 Dec 2022
Available Stock (Quantity)	10	20
Work in progress Stock (Qt)	30	30
Buffer Stock (Quantity)	40	40
Production Capacity (No. of	50	50
Raw material available for p	60	60
Total Delivery Time (Order		

Upload File

6

\* Name: MFV Upload\_TEST1 \* Type: Manufacturing Planning Visibility: Inventor

File: MFV\_Upload\_1\_15-12-2022.xlsx

Processing uploaded file

Jobs Downloads Uploads

Search Filters

Uploads

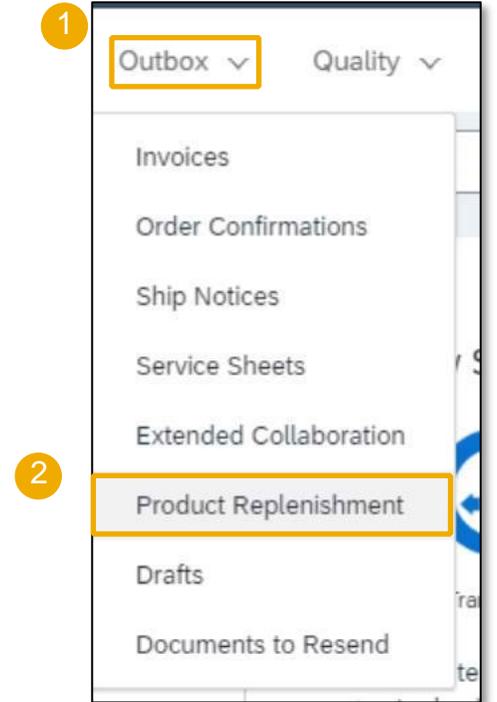
Name	Type	Last Uploaded	Last Uploaded By	Status	File	Log
MFVABB04	Manufacturing Planning Visibility: All	27 Sep 2022 4:59:12 AM		Completed	<a href="#">↓</a>	<a href="#">↓</a>

# Manufacturing Visibility

## Excel Support for Mass Upload: Steps 3/3

From the **Homepage** screen:

1. To ensure your product replenishment message was sent successfully, click on **“Outbox”**
2. Select **“Product replenishment”**.
3. Search for a file you have uploaded and make sure that it goes to **“Acknowledged”** status
4. Click **“Export cXML”** button to view data in manufacturing visibility



Product Replenishment				Page	1	»	☰
Document ID	Customer	Date ↓	Status				
MP11003683-1594077746503		6 Jul 2020 7:22:26 PM	Acknowledged				Export cXML

# Thank you.

