

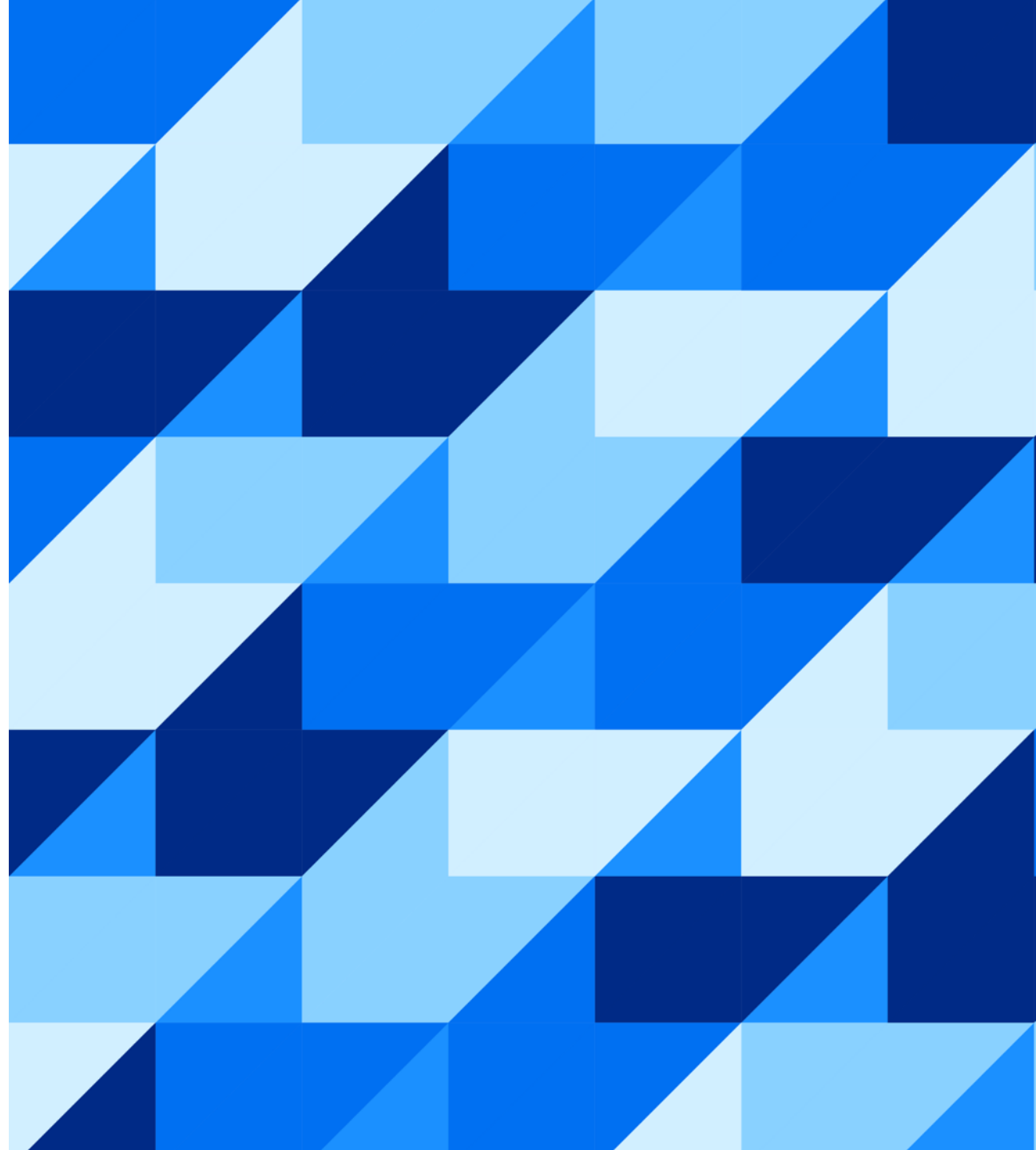


Manufacturing Visibility in Business Network Supply Chain Collaboration

Supply Chain Collaboration
SAP Business Network

Sourav Mohanty
Sohini Chowdhury

Public



Agenda



Introduction to Manufacturing Visibility

- ✓ Manufacturing Visibility settings
- ✓ Workflow
- ✓ Key Figures



Demo

- ✓ Process in Business Network



FAQs

NOTE: SAP Integration Suite, managed gateway for spend management and SAP Business Network formerly known as Cloud Integration Gateway (CIG)

Introduction to Manufacturing Visibility

Manufacturing Visibility in Planning:

- Refers to the capability to gain **real-time insight into suppliers' manufacturing processes**
- Focuses on **direct materials procurement** within the supply chain
- Enables **proactive planning and coordination** between buyers and suppliers
- Part of **Business Network Supply Chain Collaboration (SCC)**
- Supports improved **supply chain transparency and responsiveness**
- Critical for managing **complex, multi-tier supply chains**

Pre-requisite to configure Manufacturing Visibility

To configure the **Manufacturing visibility** process, both Buyer and Supplier must enable the **Supply chain collaboration** feature.

Buyer must enable the following entitlement:

Enable Planning collaboration for Forecast and Manufacturing visibility processes.

— Allow suppliers to create invoices directly from service fees instead of service orders.

Allow buyer to activate Supply Chain Collaboration features.



Allow buyer to enable quality collaboration features.

Enable Planning collaboration for Forecast and Manufacturing visibility processes.

Enable Inventory collaboration for Supplier managed and Replenishment processes.

Allow buyer to activate Industry Solutions.

Manufacturing Visibility Settings

Buyers can set the below settings in the **Manufacturing visibility** section of the **Planning Settings → Assign suppliers** page:

- 1.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.
- 2.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.

Process Flow

Supplier can update manufacturing visibility data in two ways:

1. Send manufacturing planning visibility data through cXML from external system.
2. Upload **Manufacturing Planning Visibility** data from **Upload/Download** tab in Business Network by selecting any of the below options.

Inventory Data – It will update the Inventory data such as Unrestricted stock, Quality stock, Blocked Stock.

Supplier Data – It will update the key Figures data such as Manufacturing orders, Supplier forecast, Shipments.

All – It will update both Inventory data and Key Figure data.

Key Figures In Manufacturing Visibility

- **Manufacturing Orders** : This Key figure is used by Suppliers to represent their Production Orders.
- **Manufacturing Purchase Orders** : Suppliers sometimes place purchase orders to next tier Suppliers and they provide visibility to buyer
- **Shipments Quantity** : This key figure provides information about the quantity that suppliers can ship to cover the requested quantities.
- **Firm Receipt** : This key figure provides information about the purchase order confirmations that your suppliers have received from their suppliers.
- **Planned Receipt** : This key figure provides information about the forecast commit that your suppliers have received from their suppliers.

Custom View & Custom attribute

Supplier can create a custom view which provide planners and suppliers with **real-time visibility** into manufacturing and supply plan data (e.g., forecast, supply commits, component availability) via a **custom view** tailored to their needs.

By selecting the relevant planning document(example: Forecast, supply commits, manufacturing orders)

And standard filters supplier can create a custom view.

Workflow for Manufacturing Planning Visibility Upload for new Data

The end-to-end workflow for the **Manufacturing Planning Visibility** template starts with a supplier downloading the desired template, and ends with the buyer using the information provided by the supplier.

1. The supplier downloads the **Manufacturing Planning Visibility** template designed for one of the manufacturing planning visibility types.
2. The supplier enters data into the file based on the template selected.
3. After the supplier uploads the **Manufacturing Planning Visibility** template and it has been successfully processed, SAP Business Network generates a corresponding cXML file and triggers a transaction based on the cXML file
4. Then Supplier will run the Manufacturing visibility job to get the excel file and then will make changes if required for **custom key figures**.
5. The buyer can use the information provided by the **Manufacturing Planning Visibility** template to drive the planning and supply of transaction elements to contract manufacturers.

Workflow to update Manufacturing Planning Visibility data for existing Material

1. Go to **Upload/Download**
2. Create and Run a **Job** for Manufacturing Visibility by using required filter
3. **Download** the file.
4. The downloaded file will export the latest manufacturing Visibility data available in Business Network for a particular Material
5. Edit the data as per requirement
6. **Upload** the updated file

For better understanding on the above steps, we will go through the demo

DEMO:

FAQ:

1. Who sends the Manufacturing visibility data?

- Supplier always sends the data for Manufacturing visibility

2. How a custom attribute can be displayed ?

- For custom attribute we need to provide the expression of the attribute in the csv file

3. Can Buyer edit Manufacturing Visibility Data?

- No, Buyer can not edit Manufacturing Visibility data. Only supplier can edit.

4. To Upload new Manufacturing visibility data which option needs to be selected?

- To upload fresh new data supplier must use CSV upload