BOM Basics

Purpose

This page has been created to provide a brief overview on the basics for bill of materials.

BOM definition

A bill of material is a complete, formally structured list of the components that make up a product or assembly. The list contains the object number of each component, together with the quantity and unit of measure.***(German standard (DIN) number 199, part 2, number 51)**

Transactions

CS01 Create BOM
CS02 Change BOM
CS03 Display BOM

BOM types

- **Material BOM**: represents the structure of products that are manufactured
- **Document BOM**: combines multiple documents (drawings, designs, manuals) into a single information record
- **Sales order BOM**: represents the specific BOM used to manufacture a product for a specific sales order
- **Equipment BOM**: describes the structure of equipment and to assign spare parts to equipment for maintenance purposes
- **Functional location BOM**: groups together the elements of a technical structure, such as the functional unit of an entire plant.
- **Work breakdown structure (project) BOM**: BOM with Reference to a Production Lot
- **Standard BOM**

Item categories

- Stock item (L)
- Non-stock item (N)
- Document item (D)
- Text item (T)
- Class item (K)
- Variable size item (cut to size) R

Technical type of BOMs

- **Multiple BOM (M)**: (also called BOM group) groups together several BOMs that describe one object (for example, a product) with different combinations of materials for different processing methods. BOM header will be same, components in alternatives will be different.
- **Variant BOM (V)**: groups together several BOMs that describe different objects (for example, products) with a high proportion of identical parts. BOM header will be different, with almost same set of components, very few components will be changed.

Area of validity

- **Group BOM**: a material BOM created without reference to any plant
- **Plant specific BOM**: a material BOM restricted to that plant only

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