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Deltek Costpoint® 8.2

Import Bills of Material Preprocessor

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Contents

Import Bills of Material

Use this screen to add, modify, or delete Manufacturing Bills of Material (MBOM), Engineering Bills of Material (EBOM), and/or Proposal Bills of Material (PBOM) rows from a BOM record using a user-created input file, formatted as a delimited or fixed-length ASCII text file.

You can specify the network location and name of the input file, and the application performs all necessary database and business rule validation. If the input file record is valid, the preprocessor modifies the proper database tables. If the input file record is invalid, the preprocessor creates an error record and saves it to an error file with the extension .ERR, which you can modify and resubmit.

After uploading the transactions, you can review and edit Manufacturing Bills of Material on the Manage Manufacturing Bills of Material screen, review and edit Engineering Bills on the Manage Engineering Bills of Material screen, and review and edit Proposal Bills on the Manage Proposal Bills of Material screen.

> **Note:** Only one user at a time can run this application.

This preprocessor has Add functionality for EBOM and PBOM uploads. It can process Manufacturing, Engineering, and Proposal BOMs.

The user interface also includes a **Provisional Parts** group box.

The preprocessor checks the following settings on the **BOM Corporate Settings** block of the Configure Bills of Material Settings screen: **Use Extended Length Reference Designators** (USE_LVC_REFDES_FL), **Use Configuration** IDs (USE_CID_FL), and **Use Engineering Bills of Material** (USE_EBOM_FL). It also checks control flags on the **Corporate Settings** block of the Configure Materials Requirements Planning Settings screen and the **ECN Corporate Settings** block of the Configure Engineering Change Notice Settings screen.

> **Note:** There are two ways to work with input files in Costpoint
>
> - You can access the input file from the network by using Alternate File Locations.
>
> - You can upload the input file to the Costpoint database; in which case, no further access to network folders is necessary.
>
> If you decide to use the first option, click 🔍 in the **File Location** field to select an alternate file location. If you choose the second option, leave the **File Location** field blank and use the File Upload Manager to upload the input file to the Costpoint database.

Display the Import Bills of Material Screen

You can access the Import Bills of Material screen from the Materials domain.

Click **Materials** » **Bill of Material** » **Bills of Material Interfaces** » **Import Bills of Material**.

Contents of the Import Bills of Material Screen

Use the fields and options to configure the Import Bills of Material screen.

Multicompany

Validation of company tables is triggered by the company ID of the user executing the process. When looking up valid values, the preprocessor validates all company-related tables using the user's company ID. When a new BOM is saved, the preprocessor assigns it the user's company ID. filters on parameters by company. All new parameter rows are saved with the user's company ID. To separate items by company in Costpoint, select the **Separate Items By Company** check box on the Corporate Settings block of the Configure Product Definition Settings screen.

Files Necessary to Run Bills of Material Preprocessor

The following custom files and stored procedures files must be accessible to run the Bills of Material Preprocessor:

Subtask Description Configuration

Use the Configuration subtask to view and/or edit the configuration identifiers of the selected assembly part. Use the Assembly Serial Numbers subtask to view the configuration serial numbers for the selected assembly part.

Filename	Description
AOPBOM.exe	Import Bills of Material preprocessor application executable.
AOPBOM.QRP	Import Bills of Material preprocessor report file.

Costpoint Data Setup

Before running the preprocessor application, complete the following steps: On the Configure Bills of Material Settings screen, establish default values. In Product Definition, establish component and assembly parts. Make sure the Import Bills of Material preprocessor application executable (AOPBOM.EXE) and the report file (AOPBOM.QRP) are applied to the database. Make sure that all patches and service packs (if applicable) have been applied to the database.

Identification

Use the fields in this block to create a new parameter ID or to retrieve a previously saved parameter ID. A parameter ID represents a set of screen selection parameters. After you have saved a parameter ID and its related parameters, you can retrieve them using **Query**.

You can use the retrieved parameters to produce reports and run processes more efficiently and with greater consistency. The saved parameters are also useful and necessary when you want to run the process as part of a batch job. Many users save a unique set of parameters for each different way they run a report or process. When you select a previously saved parameter ID or parameter description, the associated saved screen selection parameters automatically display as selection defaults. The page setup and print options, if there are any, are also included in the saved parameter ID. You can change any of the associated selection defaults as necessary.

Field	Description
Parameter ID	Enter, or click [Query ▼] to select, a parameter ID of up to 15 alphanumeric characters. Choose characters for your parameter ID that help identify the type of selections you made on the screen, such as PERIOD or QUARTERLY. When you save your record, all the selections made on the screen are stored with the parameter ID. Later, you can retrieve the parameter using **Query**. You can use the parameter to run the process more efficiently because you can select the parameter ID with its previously defined screen selections. After the default selections display on the screen, you can override the defaults.
Description	Enter, or click [Query ▼] to select, a parameter description of up to 30 alphanumeric characters.

Options

Input File

Field	Description
File Location	Enter, or click 🔍 to select, the alternate file location where the input file is located. Alternate file locations are set up in the Manage Alternate File Locations screen.
File Name	Enter, or click 🔍 to select, the name of the input file.
File Format	Use the drop-down list to select the format in which the file will be saved. Options are: ■ **Delimited**: Select this option to process files with fields separated by a pre-defined delimiter (either by commas or another specified character). Make your delimiter selection in the **File Delimiter** field. ■ **Fixed Length**: Select this option to process the file with no field delimiters. If you select this option, the values in the file are determined by their location. You must fill in every position in a fixed-length input file format with either an appropriate character or a space. It is not necessary to zero fill numbers; you can use spaces to maintain the proper format. Right-justify numeric fields; left-justify character fields. You do not need to fill the entire line with spaces. End every row with a carriage return and a line feed.
File Delimiter	If you selected **Delimited** in the **File Format** field, use this drop-down list to select a file delimiter. Options are **Comma** and **Other**. If you select **Other**, you must enter a delimiter in the field to the right.

Processing Options

Please refer to the MBOM and EBOM Processing section for additional details regarding the processing of input files.

Field	Description
Prevent Insert/ Update if Warning Conditions Exist	If you select this check box, the program does not update the input file record if warning messages are generated.
Allow New MBOM/EBOM Lines to be Released	Select this check box to allow MBOMs to be set to a **Released** status. If you select this check box, the application uses the **Component Release Flag** (entered in **Component Released** column of the Manage Manufacturing Bills of Material/Manage Engineering Bills of Material or Release Manufacturing Bills of Material/Release Engineering Bills of Material screens) in the input file to determine the status of the BOM line. Proposal BOMs (PBOMs) have separate validation criteria, as outlined in the Detailed Table Specifications section. If you select this check box and do not enter a **Component Release Flag**, the **Component Release Flag** (the **Component Released** column of the Manage Manufacturing Bills of Material/Manage Engineering Bills of Material screen) will be set to **Y** (Released) in the MBOM/EBOM table. However, if you do not select this check box, the **Component Release Flag** will be set to **N** (Unreleased) for all new lines. The application displays a warning message if you try to change the status to **Y** (Released) with this checkbox cleared. Similarly, the application displays a warning message if you try to change the status of an existing, unreleased MBOM/EBOM line to **Y** (Released).
Allow Released MBOM/EBOM Lines to be Changed/ Deleted	Select this check box to allow updates to BOM lines that have been released. You can modify or delete an existing, released MBOM/EBOM line (the **Component Released** check box is selected in the Manage Manufacturing Bills of Material/Manage Engineering Bills of Material or Release Manufacturing Bills of Material/Release Engineering Bills of Material screens) only if you select this check box. If you do not select this check box, any input record that modifies or deletes a released MBOM/EBOM line will be in error and will not be processed.
Autoload MBOM/EBOM Text	Select this check box to load any of the component part's BOM text to the BOM line. If you select this check box, the application checks each new MBOM/EBOM line that is added (not changed or deleted) for item text. Any BOM standard text that is linked to a component part is assigned to that component's BOM line. Standard text codes are established on the Manage Standard Text screen in Costpoint Product Definition, and can be assigned to parts on the Assigned Standard Text subtask of the Manage Parts screen.
Delete Option	Use this drop-down list to select either of the options to delete active or inactive BOM lines. The deletion process is discussed in detail in the **Changing and Deleting BOM Rows** section of the MBOM and EBOM Processing topic.

Field	Description
	▪ **Physically Delete MBOM/EBOM Lines**: Select this option to physically delete any MBOM/EBOM lines flagged for deletion.
	▪ **Make MBOM/EBOM Lines Out of Effectivity**: Select this option to mark any MBOM/EBOM lines for deletion out of effectivity. The line is not physically deleted from the table, but the component effectivity end date is set to the current date (unless the end date is already earlier than the current date).

Provisional Parts

Field	Description
Create New Provisional Parts	Select this check box to create new provisional parts during processing. The application displays a warning message if a component or assembly part/revision in the input file does not exist in the PART or PROV_PART tables. If you choose to process records that have warnings, the application creates a new provisional part.
Default Prov Part Type	Enter, or click 🔍 to select, an existing provisional part type to be used as a default when creating new provisional parts. This field is enabled only if you select the **Create New Provisional Parts** check box. The field to the right displays the provisional part type description.

Table Information for the Import Bills of Material Screen

Depending upon the BOM type and other settings, one or more of the following tables are updated by this application:

- MFG_BOM
- MFG_BOM_TEXT
- PART
- MFG_BOM_REF
- ENG_BOM
- ENG_BOM_TEXT
- ENG_BOM_REF
- PROV_PART
- PBOM_HDR
- PBOM_LN

Subtasks of the Import Bills of Material Screen

Configuration Subtask

Configuration Identifiers

You can customize bills of material for a given parent part by using configuration IDs and effective dates. You can use Configuration IDs to record variations of an EBOM for a given part or part/ revision without using a different part or revision number. Once an item is in inventory, it is considered the same as all other parts with the same part/revision combination, regardless of the configuration under which the part was built.

Configurations are used for planning purposes only, and are established in the Configuration Identifiers screen in the Bills of Material Controls menu. In Change or Display mode, you can view an EBOM's specific configuration or an EBOM as of a specific date, as well as all configurations/ effectivities for a given parent. The items in this group box are enabled only if you selected the Use Configuration IDs check box in the BOM Corporate Settings subtask of the BOM Settings screen.

Field	Description
Show All Configurations	Select this check box before using **Find** or **Query** to see all components of the parent part. If you do not select this check box, the display is based on the as-of date and the configuration ID that you enter.
As of Date	You can record variations in the EBOM of a part by using effective dates. This option is available regardless of whether you allow the use of configuration IDs. Enter the EBOM component effective date before using **Find** or **Query**. If you enter an As of Date in Change/Display mode, the application will load only those lines with effective starting and ending dates corresponding to the As of Date. If the Effective Ending Date column is blank, the second criterion is ignored. The As of Date field is the default value for the Effective Starting Date for all new component lines.
Configuration	Enter, or use Lookup to select, the configuration ID for this BOM. This optional field must be a valid configuration ID from the Configuration Identifiers screen.
Filter	Click this button to filter the component lines based on the configuration criteria.

Subtasks

Subtask	Description
Select End Item Configuration	Click this link to view the End Item Configuration information for the configuration.

Select End Item Configuration Subtask

Use Lookup to view the range of assembly serial numbers with their associated configurations and as-of dates (see the Maintain End Item Configurations screen).

If you select a row in Lookup, Costpoint will load the proper configuration and as-of date. This field is display-only; you cannot enter a serial number. Effectivity is established by the Config ID and As Of Date fields only.

MBOM AND EBOM Processing

Contents of the MBOM AND EBOM Processing Screen

Use the fields and options to configure the MBOM and EBOM Processing screen.

Processing Sequence

The primary sort of input files is by BOM type (that is, **M** (MBOM), **E** (EBOM), and **P** (PBOM), followed by the assembly part/assembly part revision ID (ASY_PART_ID, ASY_PART_RVSN_ID). Within this sort sequence, the process sorts rows by record type (REC_TYPE); record types with a status of **C** (Changes), **D** (Deletions), and **A** (Additions) are processed first, second, and third, respectively. The last sort sequence is in descending order by assembly part low-level code (LOW_LVL_CD_NO), which is a hidden, system-generated number, and by component line number (COMP_LN_NO).

There is one input file record for each BOM row processed, and the input file record is deleted after processing. Any given input file record should not affect more than one BOM row at a time.

Input File Formats

The module, functions, and parameters for this process are defined on the preprocessor screen. Only one user at a time can run this application. After selecting the input file and settings in the

Input File and **Processing Options** group boxes, click the arrow next to ⚙ ▼ and select **Import Bills of Material** or **Import and Print Bills of Material**. Selecting one of these options updates all applicable Costpoint tables for this preprocessor, if the input file has no **E** (Error) type errors associated with it. The input file cannot have any **W** (Warning) type errors associated with it if you selected the **Prevent Insert/Update if Warning Conditions Exist** check box. For more information on these two errors, see the Error Processing and Input Files section.

> **Note:** Input file fields defined as dates in Costpoint must be 10 characters and formatted as MM-DD-YYYY, with a two-character month (01-12), two-character day (01-31), and a four-character year. Month, day, and year must be separated by hyphens (-). Input file field types are alphanumeric or alpha (VARCHAR), numeric (DEC, SMALLINT, and INTEGER), and date. International users: Data can contain non-English characters, provided they are in the ASCII character set. Before creating an ASCII text (.TXT) file, be sure that your keyboard language is set to **EN** (United States English) to prevent the application from generating errors.
>
> Deltek recommends the use of .TXT and .CSV file-naming conventions.

Bills of Material Input File Fields

Column Name	Costpoint Column	Field Type	Field Length	Starting Position	Ending Position	Required	Notes (when adding a new row)
Record Type	REC_TYPE	Alphanumeric	1	1	1	Y	Must be **A** (Add), **C** (Change), or **D** (Delete).
BOM Type	BOM_TYPE	Alphanumeric	2	2	3	Y	Must be **M** (MBOM), **E** (EBOM), or **P** (PBOM). Add a space after the entered value.
Assembly Part ID	ASY_PART_ID	Alphanumeric	50	4	54	Y	For fixed length file format, limit to 30 characters. For delimited file format, increase field size to 50.
Assembly Part Revision	ASY_PART_RVSN_ID	Alphanumeric	10	55	65	N	For BOM Type = M or E and If the Allow Multiple Revisions for Each Item check box is selected in the Product Definition Corporate

Column Name	Costpoint Column	Field Type	Field Length	Starting Position	Ending Position	Required	Notes (when adding a new row)
							Settings subtask in Product Definition Settings, a valid revision ID for the entered part must be entered. For fixed length format, limit to 3 characters. For delimited format, increase field size to 10.
Assembly BOM Status	ASY_REL _CD	Alphanum eric	1	66	67	N	Must be **R** (Released), **U** (Unreleas ed, Unfirmed), **P** (Partially Released) , or **F** (Firmed).
Line Number	COMP_L N_NO	Numeric	5	68	73	Y	For fixed length file format, limit to 4 characters . For delimited file format, increase

Deltek

Column Name	Costpoint Column	Field Type	Field Length	Starting Position	Ending Position	Required	Notes (when adding a new row)
							field size to 5.
Component Part ID	COMP_PART_ID	Alphanumeric	50	74	123	Y	For fixed length file format, limit to 30 characters. For delimited file format, increase field size to 50.
Component Part Revision	COMP_PART_RVSN_ID	Alphanumeric	10	124	133	N	For BOM Type = M or E and If the Allow Multiple Revisions for Each Item check box is checked in the Product Definition Corporate Settings subtask in Product Definition Settings, a valid revision ID for the entered part must be entered. For fixed length format, limit to 3

Deltek

Column Name	Costpoint Column	Field Type	Field Length	Starting Position	Ending Position	Required	Notes (when adding a new row)
							characters. For delimited format, increase field size to 10.
Component Quantity Per	COMP_QTY	Numeric	14	134	148	Y	
Component Find Number	COMP_FIND_ID	Alphanumeric	4	149	152	N	If this column is null, set to line number, filling with zeros (for example, Line **7** becomes **0007**).
Component Released (Y/N)	COMP_RL_FL	Alphanumeric	1	153	154	N	
Component Effective Starting Date	COMP_EFF_START_DT	Date	10	155	164	N	If this column is null, set to current date. Date format is **MM-DD-YYYY**. If this column is null, leave as null. If value is entered, date format is

Column Name	Costpoint Column	Field Type	Field Length	Starting Position	Ending Position	Required	Notes (when adding a new row)
							MM-DD-YYYY.
Component Effective Ending Date	COMP_EFF_END_DT	Date	10	165	174	N	If this column is null, leave as null. Date format is **MM-DD-YYYY**. If this column is null, leave as null. If value is entered, date format is **MM-DD-YYYY.**
BOM Configuration	BOM_CONFIG_ID	Alphanumeric	10	175	184	N	
Make/Buy Code (M/B)	MAKE_BUY_CD	Alphanumeric	1	185	186	N	If this column is null, system will retrieve the value of the make/buy status of the component part as defined in the Manage Parts.
Component Type	COMP_TYPE	Alphanumeric	1	187	188	N	If entered, valid

Column Name	Costpoint Column	Field Type	Field Length	Starting Position	Ending Position	Required	Notes (when adding a new row)
							values are: B (Buy with Components), P (Phantom), R (Reference), S (Standard), T (Tool). If this column is null, sysetm will retrieve the value of the make/buy status of the component part as defined in the Manage Parts.
Quantity Type	QTY_TYPE	Alphanumeric	1	189	190	N	If this column is null and the **As-Required** check box is selected on the Manage Parts screen in Costpoint Product Definition, set **Quantity**

Column Name	Costpoint Column	Field Type	Field Length	Starting Position	Ending Position	Required	Notes (when adding a new row)
							Type to **R** (As required). If this column is null and the **As-Required** check box is not selected, set to **A** (Per Assembly).
Scrap Percentage	SCRAP_PCT_RT	Numeric	10	191	200	N	Percentage Format = 99.99% , enter 99.99
Stop Explosion (Y/N)	STOP_EXPL_FL	Alphanumeric	1	201	202	N	If this column is null, and the **Make/Buy Code** is M and/or the Component Type is **B** (Buy with Components), the program sets the **Stop Explosion** field to N for component lines in the Manage

Column Name	Costpoint Column	Field Type	Field Length	Starting Position	Ending Position	Required	Notes (when adding a new row)
							Manufacturing Bills of Material/ Manage Engineering Bills of Material or the Release Manufacturing Bills of Material/ Release Engineering Bills of Material screens. Otherwise, the program will set this to **Y**.
Omit Requirements (Y/N)	OMIT_RQMT_FL	Alphanumeric	1	203	204	N	If this column is null, and the **Component Type** is **R** (Reference) or **T** (Tool), the program will set the **Omit Requirement** field to **Y** for component lines in the Manage

Column Name	Costpoint Column	Field Type	Field Length	Starting Position	Ending Position	Required	Notes (when adding a new row)
							Manufacturing Bills of Material/ Manage Engineering Bills of Material or the Release Manufacturing Bills of Material/ Release Engineering Bills of Material screens. Otherwise, if the Component Type is NOT R (Reference) or T (Tool), then the value will be set to **N**.
Work Center	WC_ID	Alphanumeric	12	205	214	N	If value is entered, the value must exist in the Manage Work Centers screen in Costpoint Bills of Materials for the

Column Name	Costpoint Column	Field Type	Field Length	Starting Position	Ending Position	Required	Notes (when adding a new row)
							logged in Company ID.
Backflush Warehouse	BKFLSH_WHSE_ID	Alphanumeric	8	215	222	N	If this column is null and the **Backflush** check box is selected on the Planning Details subtask of the Manage Parts screen in Costpoint Product Definition, the program sets to the Default Warehouse. If value is entered, the value must exist in the Manage Warehouse screen in Costpoint Inventory for the logged in Company ID.

Column Name	Costpoint Column	Field Type	Field Length	Starting Position	Ending Position	Required	Notes (when adding a new row)
Backflush Location	BKFLSH_INVT_LOC_ID	Alphanumeric	15	223	237	N	If this column is null and the **Backflush** check box is selected on the Planning Details subtask of the Manage Parts screen in Costpoint Product Definition, the program will set to default Warehouse Location. If value is entered, the value must exist in the Manage Warehouse Location screen in Costpoint Inventory for the logged in Company ID and warehouse ID.
Product Option	PROD_OPTION_ID	Alphanumeric	15	238	253	N	If value is entered,

Column Name	Costpoint Column	Field Type	Field Length	Starting Position	Ending Position	Required	Notes (when adding a new row)
							the value must exist in the Manage Product Options screen in Costpoint Product Definition for the logged in Company ID.
Proposal ID	PROP_ID	Alphanumeric	20	254	273	N	Required if the BOM Type is P (PBOM). Otherwise, include 20 spaces for fixed-length formats. Include one comma (or other character) for delimited formats. If value is entered, the value must exist in the Proposal Header table for the logged in company ID.

Column Name	Costpoint Column	Field Type	Field Length	Starting Position	Ending Position	Required	Notes (when adding a new row)
Proposal Revision	PROP_RVSN_ID	Alphanumeric	3	274	276	N	The BOM Type is P (PBOM) and value entered must be valid. Otherwise, include three spaces for fixed-length formats. Include one comma (or other character) for delimited formats.
Reference Designator	REF_DESIGNATOR	Alphanumeric	32000	278	531	N	This can have up to 32,000 characters if file format selected is 'Delimited' and "Use Extended Length Designators" is selected in the Configure Bills of Material Settings screen.

Column Name	Costpoint Column	Field Type	Field Length	Starting Position	Ending Position	Required	Notes (when adding a new row)
Component Line Notes	COMP_LN_NT	Alphanumeric	254	532	785	N	

Assembly BOM Status

- For MBOM/EBOM:

  If applicable, you can use the input file to update the status of the assembly part's BOM. Generally, the BOM's Release Status (S_ASY_REL_CD) for the assembly part is set to the value that is in the input file record: **R** (Released), **P** (Partially Released), or **U** (Unreleased). Because an input file can have many records that update the same assembly part, the process must validate the input file records and ensure that they all have the same value for a given assembly part key and BOM type. Rows that contain a null BOM status are ignored only when the assembly BOM status is being determined. If the input file records contain any errors, no rows for that assembly part are processed, including those with a null BOM status.

  In most instances, the assembly part's release status is set to the value of the input file record. If all release status values are null for that assembly part's input file records and one or more BOM rows already exist for that assembly part, the release status does not change. If no BOM rows exist for the assembly part and all input file component records for that assembly part have a **Comp Release Flag** (COMP_REL_FL) of **Y** (Yes), the assembly part's release status is set to **R**.

- For PBOM:

  Generally, the PBOM_HDR.S_PBOM_STATUS_CD of the assembly part is set to the Assembly BOM Status (ASY_REL_CD) value in the input file record(s).

  For a Record Type of **C** (Change), if all the PBOM_HDR. S_PBOM_STATUS_CD values are null for that assembly part's input file records, and one or more PBOM_LN rows already existed for that assembly part, do not change the PBOM_HDR. S_PBOM_STATUS_CD.

  For a Record Type of **A** (Add), if no PBOM_HDR rows exist for the assembly part, and all the input file records for that assembly part have a COMP_FIRM_FL = **Y**, set the assembly's PBOM_HDR. S_PBOM_STATUS_CD = **F** (Firmed).

  For a Record Type of **A** (Add) if no PBOM_HDR rows exist for the assembly part, and one or more input file records for that assembly part have a COMP_FIRM_FL = **N** or Null, set the assembly's PBOM_HDR S_PBOM_STATUS_CD = **U** (Unfirmed)

  The input file can also be used to indirectly update the status of the proposal/assembly part's PBOM (PROP_HDR. S_PBOM_ASY_REL_CD). Because an input file can have many records that update the same proposal/assembly part, the process must validate the input file records to make sure they all have the same value for a given proposal/ assembly part key and BOM type.

Adding New BOM Rows

- For MBOM/EBOM:

  When the input file is processed, if a BOM line is added and it shares the same line number, assembly part key, and configuration ID with an existing BOM line, the application compares the starting and ending effective dates (COMP_EFF_START_DT and COMP_EFF_END_DT, respectively) for the two records to determine whether there is an overlap.

  Two lines with the same line number and configuration cannot share the same effective date. For example, if row 1 has an effective starting date of 01/01/2012, and row 2 has an effective starting date of 03/01/2012, row 1's ending effective date must be earlier than or the same as row 2's effective starting date; otherwise, an error is processed. Similarly, an error is also processed if two rows' effective starting dates are the same, or if the row with an earlier effective starting date contains a null effective ending date.

- For PBOM:

  The input file can be used to add a new PBOM_LN to an existing PBOM_HDR, or it can also be used to add a new proposal assembly part/rev (PBOM_HDR) along with associated components (PBOM_LN).

  If an Assembly or Component Part (when ITEM_SETTINGS_CORP. USE_PART_RVSN_FL = **N**) or Assembly or Component Part/Rev (when ITEM_SETTINGS_CORP. USE_PART_RVSN_FL = **Y**) does not exist in PART or PROV_PART, and the main screen **Create New Provisional Parts** check box is selected, the application provides a warning, and if you choose to process records that have warnings, the application creates a new provisional part. The same sequence generator row as ITEM is used to ensure that duplicate keys are not assigned. The default provisional part type entered on the main screen is used when creating the provisional part. If the **Create New Provisional Parts** check box is not selected, the application generates an error under these conditions, and the record is not processed.

Changing and Deleting BOM Rows

- For MBOM/EBOM:

  To successfully process an input file record type of **C** (Change) or **D** (Delete), the application finds the BOM row, which is referenced by the input file. It looks for the BOM line using the assembly part (where the **Allow Multiple Revisions for Each Item** check box is not selected on the **Corporate Settings** block of the Configure Product Definition Settings screen) or assembly part/revision (where the **Allow Multiple Revisions for Each Item** check box is selected), the component line number, and the configuration ID (if the Use Configuration IDs check box is selected on the **BOM Corporate Settings** block of the Configure Bills of Material Settings screen). The application changes or deletes the row with the latest effective ending date.

  > **Note:** In the Manage Manufacturing Bills of Material/Manage Engineering Bills of Material or the Release Manufacturing Bills of Material/Release Engineering Bills of Material screens, you can make BOM line changes only to the line with the latest effective ending date. If you change a configuration ID on a given BOM line, you must delete the old row with one input file record, and then add the new row with another

> record. To add a BOM line with the same line number and configuration ID, you must first change the effective ending date, then add a new row.

In the **Delete Option** drop-down list of the Import Bills of Material preprocessor, there are two options for deleting a BOM line: **Physically Delete MBOM/EBOM Lines** and **Make MBOM/EBOM Lines Out of Effectivity**.

If you select the **Physically Delete MBOM/EBOM Lines** option, an input file record with a record type (REC_TYPE) of **D** (Delete) will delete the BOM row along with any linked BOM text (MFG_BOM_TEXT or ENG_BOM_TEXT) rows. After deleting an MBOM line, the application checks for any other MBOM line rows for that assembly part key, and sets the **BOM Exists** field (PART. BOM_EXIST_FL) in the Manage Manufacturing Bills of Material or Release Manufacturing Bills of Material screens to **Y** (Yes) if one or more rows remain, or **N** (No) if no additional MBOM line rows remain. Similarly, after deleting an EBOM line, the application checks for any other EBOM line rows for that assembly part key, and sets the **EBOM Exists** field (PART. EBOM_EXIST_FL) in the Manage Engineering Bills of Material or Release Engineering Bills of Material screens to **Y** (Yes) if one or more rows remain, or **N** (No) if no additional MBOM line rows remain.

If you select the **Make MBOM/EBOM Lines Out of Effectivity** option, an input file record with a record type (REC_TYPE) of **D** (Delete) sets the MBOM and/or EBOM row's effective ending date for the component part (COMP_EFF_END_DT) to the current system date.

- For PBOM:

  To successfully process a Change or Deletion input file, the process must find the PBOM row the input file is referencing.

  Look up PROP_HDR.PROP_KEY from the PBOM_HDR table, using Input File PROP_ID and PROP_RVSN_ID.

  Using the assembly part (and rev if multi revs is used), the assembly part key must be determined from the PART table. If not in the PART table, check the PROV_PART table (for provisional parts).

  Using the proposal key, assembly part key, and component line number, look up the PBOM_LN table. If no match is found, return an error. If a PBOM_LN row is found, that is the PBOM_LN row modified or deleted.

  If all PBOM_LN rows are deleted for that proposal/assembly combination, also delete the corresponding row in the PBOM_HDR table.

  Set PROP_HDR. RECALC_FL to **Y** if a PBOM_LN row is deleted or changed.

Detailed Table Specifications Subtask

This topic defines the data element in each table to be loaded or updated by the Import Bills of Material preprocessor.

MBOM Table Updates

MFG_BOM Table

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Assembly Part ID	ASY_PART_ID	ASY_PART_ID		Don't update.
Assembly Part Key	ASY_PART_KEY		Look up PART using Input File ASY_PART_ID (and ASY_PART_RVSN_ID, if multiple revs used).	Don't update.
Assembly Part Revision	ASY_PART_RVSN_ID	ASY_PART_RVSN_ID	If null, add as a space. If ITEM_SETTINGS_CORP. USE_PART_REVSN_FL = **N**, ignore value and always load a space.	Don't update.
Backflush Location	BKFLSH_INVT_LOC_ID	BKFLSH_INVT_LOC_ID	If null and PART. BKLFSH_FL = **Y**, set to PART. DFLT. INVT_LOC_ID.	
Backflush Warehouse	BKFLSH_WHSE_ID	BKFLSH_WHSE_ID	If null and PART. BKLFSH_FL = **Y**, set to PART. DFLT. WHSE_ID.	
BOM Line Key	BOM_LN_KEY		Add **1** to the largest BOM_LN_KEY existing for this ASY_PART_KEY.	Don't update.
Component BOM Configuration ID	COMP_BOM_CONFIG_ID	BOM_CONFIG_ID		

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Component Change User ID	COMP_CHNG_ USER_ID		Set to space.	Set to Process User.
Component Effective Ending Date	COMP_EFF_EN D_DT	COMP_EFF_EN D_DT	If input file is null, set to null.	
Component Effective Starting Date	COMP_EFF_STA RT_DT	COMP_EFF_ START_DT	If input file is null, set to current date.	
Component Entered Date and Time	COMP_ENTR_D TT		Set to current date/time	Don't update.
Component Entered User ID	COMP_ENTR_ USER_ID		Set to Process User.	Don't update.
Component Find ID	COMP_FIND_ID	COMP_FIND_ID	If null, set to line number, filling with zeros (for example, Line 7 becomes **0007**).	
Component Last Change Date and Time	COMP_LAST_ CHNG_DTT		Null	Set to current date/time.
Component Line Number	COMP_LN_NO	COMP_LN_NO		Don't update.
Component Line Notes	COMP_LN_NT	COMP_LN_NT		
Component Part ID	COMP_PART_ID	COMP_PART_ID		
Component Part Key	COMP_PART_KE Y		Look up PART using Input File COMP_ PART_ID (and COMP_PART_R VSN_ ID, if multiple revs used).	Look up PART using Input File COMP_PART_ID (and COMP_PART_R VSN_ID, if multiple revs used).
Component Part Revision	COMP_PART_ RVSN_ID	COMP_PART_ RVSN_ID	If null, add as a space. If ITEM_SETTINGS _CORP. USE_PART_REV SN_FL = **N**,	If ITEM_SETTINGS _CORP. USE_PART_REV SN_FL = **N**, ignore value and

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			ignore value and always load a space.	always load a space.
Component Quantity	COMP_QTY	COMP_QTY		
Component Release Date and Time	COMP_REL_DTT		Set to current date/time if MFG_BOM. COMP_RL_FL = **Y**.	Set to current date/time if MFG_BOM. COMP_RL_FL is **N** and will be changed to **Y**. Set to null if COMP_RL_FL = **N**.
Component Release Flag	COMP_REL_FL	COMP_REL_FL	If the **Allow New MBOM/EBOM lines to be Released** check box is selected, the COMP_REL_FL in the input file determines the status of the MBOM line. If the **Allow New MBOM/EBOM lines to be Released** check box is selected, but the COMP_REL_FL is not entered, set the flag to **Y** in the MFG_BOM table. If the **Allow New MBOM/EBOM lines to be Released** check box is cleared, always set the MFG_BOM. COMP_REL_FL to **N** for new lines.	If the **Allow New MBOM/EBOM lines to be Released** check box is selected, the COMP_REL_FL in the input file determines the status of the MBOM line. If the **Allow New MBOM/EBOM lines to be Released** check box is selected, but the COMP_REL_FL is not entered, set the flag to **Y** in the MFG_BOM table. If the **Allow New MBOM/EBOM lines to be Released** check box is cleared, always set the MFG_BOM. COMP_REL_FL to **N** for new lines

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Component Stop Explosion Flag	COMP_STOP_ EXPL_FL	COMP_STOP_E XPL_FL	When adding a new row, if the input file has a null COMP_STOP_E XPL_FL, set the flag to **N** if the **Make/Buy** code = **M** and/or the component type is equal to **B** (Buy)with Components. Otherwise, set the flag to **Y**.	When changing an existing row, if the input file has a null COMP_STOP_E XPL_FL, set the flag to **N** if the **Make/Buy** code is changed to **M** and/or the component type is changed to **B** (Buy) with Components. If the component type is changed from **B** (Buy) with Components and the **Make/Buy** code = **B**, set the flag to **Y**. Likewise, if the **Make/Buy** code is changed to **B** and the component type is not = **B** (Buy) with Components, set the flag to **Y**. Otherwise do not change the flag setting.
Last Change Notice ID	LST_CHNG_ NOTICE_ID		Null.	Don't update.
Leadtime Offset Days	LT_OFFSET_ DAYS_NO		Component PART. DFLT_LT_OFFSE T_NO.	Don't update.
Modified By	MODIFIED_BY		Set to Process User.	Set to Process User.
Omit Requirements Flag	OMIT_RQMT_FL	OMIT_RQMT_FL	When adding a new row, if the input file has a null OMIT_RQMT_FL,	When changing an existing row, if the input file has a null OMIT_RQMT_FL,

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Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			set the flag to **Y** if the component type is **R** or **T**.	set the flag to **Y** if the component type is changed to **R** or **T**. If the component type is changed to **S**, **P**, or **B**, change to **N**. Otherwise do not change the flag.
Product Option	PROD_OPTION_ID	PROD_OPTION_ID	Version 3.1 Only	
Reference Designator	REF_DESIGNATOR_NT	REF_DESIGNATOR		
Rowversion	ROWVERSION		0	1+ Original ROWVERSION
Scrap Percentage Rate	SCRAP_PCT_RT	SCRAP_PCT_RT	If Null, set to Component Part's Scrap Rate PART. SCRAP_PCT_RT .	
BOM Change	S_BOM_CHNG_CD		**P**	**P**
Component Type	S_COMP_TYP_CD	S_COMP_TYP_CD	If null, set to Component PART. S_PART_TYPE.	If null, set to Component PART. S_PART_TYPE (but only if component is changed from original).
Make/Buy	S_MAKE_BUY_CD	S_MAKE_BUY_CD	If null, set to Component PART. S_MAKE_BUY_CD.	
Quantity Type	S_QTY_TYP_CD	S_QTY_TYP_CD	If null and PART. AS_REQD_FL = **Y**, set to **R**. If null and PART. AS_REQD_FL = **N**, set to **A**.	

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Timestamp	TIME_STAMP		Set to current date/time.	Set to current date/time.
Workcenter ID	WC_ID	WC_ID		

MFG_BOM_TEXT Table

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Active	ACTIVE_FL		Y	No change.
Assembly Part Key	ASY_PART_KEY		MFG_BOM. ASY_PART_KEY	
BOM Line Key	BOM_LN_KEY		MFG_BOM. BOM_LN_KEY	
Component Part Key	COMP_PART_KEY		MFG_BOM. COMP_PART_KEY	
Modified By	MODIFIED_BY		Set to Process User.	
Rowversion	ROWVERSION		0	
Sequence Number	SEQ_NO		The sequence numbers should start at 10 and be incremented by 10 for each new row added for that BOM line.	No change.
Text Code	TEXT_CD		Component part's ITEM_TEXT. TEXT_CD. If the **Autoload MBOM/EBOM Text** check box is selected, for each new MBOM line added, the ITEM_TEXT table should be looked up to see if there are any rows with the component part's ITEM_KEY. If there are one or	

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			more rows, check each active ITEM_TEXT row's TEXT_CD against the TEXT_WHERE_USED table. If a row exists with that TEXT_CD and a S_WHERE_USED_CD = **B**, create a MFG_BOM_TEXT row with that component part and that text code.	
Timestamp	TIME_STAMP		Set to current date/time.	

PART Table

> **Note:** The following updates are for Assembly Parts only, where one or more valid input file records have been processed.

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Assembly Change User ID	ASY_CHNG_USER_ID		If BOM_EXIST_FL was originally **Y**, set to Process User; otherwise, do not update.	Set to Process User.
Assembly Entered Date and Time	ASY_ENTR_DTT		If originally null, set to current date/time; otherwise, don't update.	Don't update.
Assembly Entered User ID	ASY_ENTR_USER_ID		If originally null, set to Process User; otherwise, don't update.	Don't update.

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Assembly Last Change Date and Time	ASY_LAST_CHNG_DTT		If BOM_EXIST_FL was originally **Y**, set to current date/time; otherwise, do not update.	Set to current date/time.
BOM Exists	BOM_EXIST_FL		If originally set to **N**, set to **Y**.	If no MFG_BOM rows exist (due to deletions), set to **N**, otherwise, leave as **Y**.
Modified By	MODIFIED_BY		Set to Process User.	Set to Process User.
Net Charge	NET_CHG_FL		If MRP_SETTINGS. ENABLE_NET_CHG_FL = **Y**, check to see if the **Net Change Flag** must be updated for the assembly part. If a MFG_BOM row is added, changed or deleted, set the assembly PART. NET_CHG_FL to **Y**.	If MRP_SETTINGS. ENABLE_NET_CHG_FL = **Y**, check to see if the **Net Change Flag** must be updated for the assembly part. If a MFG_BOM row is added, changed or deleted, set the assembly PART. NET_CHG_FL to **Y**.
Rowversion	ROWVERSION		1+ Original ROWVERSION	1+ Original ROWVERSION
Assembly Release Code	S_ASY_REL_CD	ASY_REL_CD	Generally, the S_ASY_REL_CD of the assembly part is set to the value in the input file record(s). If all the ASY_REL_CD values are null for that assembly part's input file	Generally, the S_ASY_REL_CD of the assembly part is set to the value in the input file record(s). If all the ASY_REL_CD values are null for that assembly part's input file

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Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			records, and one or more MFG_BOM rows already existed for that assembly part, do not change the S_ASY_REL_CD. If no existing MFG_BOM rows existed for the assembly part, and all the input file records for that assembly part have a COMP_REL_FL = **Y**, set the assembly's S_ASY_REL_CD = **R**. Otherwise set it to **U**.	records, and one or more MFG_BOM rows already existed for that assembly part, do not change the S_ASY_REL_CD. If no existing MFG_BOM rows existed for the assembly part, and all the input file records for that assembly part have a COMP_REL_FL = **Y**, set the assembly's S_ASY_REL_CD = **R**. Otherwise set it to **U**.
BOM Change Code	S_BOM_CHNG_CD		**P**	**P**
Timestamp	TIME_STAMP		Set to current date/time.	Set to current date/time.
Assembly Release User ID	MBOM_ASY_REL_USER		If originally null, set to Process User if PART.S_ASY_REL_CD = **R**, else don't update.	If originally null, set to Process User if PART.S_ASY_REL_CD = **R**, else don't update
Assembly Release Date & Time	MBOM_ASY_REL_DTT		If originally null, set to current date/time if PART.S_ASY_REL_CD = **R**, else don't update.	If originally null, set to current date/time if PART.S_ASY_REL_CD = **R**, else don't update.

Note: The following updates are for Component Parts only.

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Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Net Charge	NET_CHG_FL		Don't Update	If MRP_SETTINGS . ENABLE_NET_CHG_FL = **Y**, if a MFG_BOM row is deleted or changed so that the component part key of that MBOM line has changed, check if the original Component's PART. S_PLAN_TYPE = **P** (or S_PLAN_TYPE = **S** if MRP_SETTINGS . PLAN_MPS_FL = **Y**), and PART. NET_CHG_FL = **N** for any part added or changed by this process. If the conditions are met, set the original component PART. NET_CHG_FL to **Y**.
Low-level Code	LOW_LVL_CD_NO		Any time a MFG_BOM row is added, or a MFG_BOM line is changed so that the component part key of that MBOM line has changed, compare the new Component part's LOW_LVL_CD_NO to the	Don't Update

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Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			assembly part's LOW_LVL_CD_NO. If the component's low-level code is not greater than the assembly's low-level code, set the component's low level code to the assembly's low level code +1. If the component part BOM_EXIST_FL = **Y**, also set the component's PART. ASY_LLCD_UPDATE_FL to **Y**.

When checking for the assembly part's LOW_LVL_CD_NO or the component part's LOW_LVL_CD_NO and BOM_EXIST_FL, the application takes into account any previously processed rows of the input file that might have modified these values. | |
| Assembly Update | ASY_LLCD_UPDATE_FL | | Any time a MFG_BOM row is added , or a MFG_BOM line is changed so that the component part key of that MBOM line has | Don't Update |

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			changed, compare the new Component part's LOW_LVL_CD_NO to the assembly part's LOW_LVL_CD_NO. If the component's low-level code is not greater than the assembly's low-level code, set the component's low level code to the assembly's low level code +1. If the component part BOM_EXIST_FL = **Y**, also set the component's PART. ASY_LLCD_UPDATE_FL to **Y**. When checking for the assembly part's LOW_LVL_CD_NO or the component part's LOW_LVL_CD_NO and BOM_EXIST_FL, the application takes into account any previously processed rows of the input file that might have modified these values.	

MFG_BOM_REF Table

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Assembly Part Key	ASY_PART_KEY		MFG_BOM. ASY_PART_ KEY. Only if BOM_SETTINGS _CORP. USE_LVC_REFD ES_FL = **Y**.	No change.
BOM Line Key	BOM_LN_KEY		MFG_BOM. BOM_LN_KEY. Only if BOM_SETTINGS _CORP. USE_LVC_REFD ES_FL = **Y**.	No change.
Modified By	MODIFIED_BY		Set to Process User. Only if BOM_SETTINGS _CORP. USE_LVC_REFD ES_FL = **Y**.	No change.
Reference Designator Text	REF_ DESIGNATOR_T X	REF_ DESIGNATOR_T X	Only if BOM_SETTINGS _CORP. USE_LVC_REFD ES_FL = **Y**. If **Record Type** is **A**, and no reference designator is entered, do not add MFG_BOM_REF row.	No change. If **Record Type** is **C**, do not update existing data. If **Record Type** is **D**, delete the corresponding reference designator row from MFG_BOM_REF.
Rowversion	ROWVERSION		**0**. Only if BOM_SETTINGS _CORP. USE_LVC_REFD ES_FL = **Y**.	No change.
Timestamp	TIME_STAMP		Set to current date/time. Only if BOM_SETTINGS _CORP.	No change.

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			USE_LVC_REFD ES_FL = **Y**.	

EBOM Table Updates

ENG_BOM Table

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Assembly Part ID	ASY_PART_ID	ASY_PART_ID		No change.
Assembly Part Key	ASY_PART_KEY		Look up PART.PART_KEY using Input File ASY_PART_ID (and ASY_PART_RVS N_ID, if multiple revs used). If not in PART, look up PROV_PART.PR OV_PART_KEY. If not in PROV_PART, the application creates a new provisional part using the same sequence generator row as ITEM.	No change.
Assembly Part Revision	ASY_PART_RVS N_ID	ASY_PART_RVS N_ID	If null, add as a space. If ITEM_SETTINGS _CORP. USE_PART_REV SN_FL = **N**, ignore value and always load a space.	No change.
Assembly Provisional Part	ASY_PROV_PAR T_FL		Look up PART using Input File ASY_PART_ID (and ASY_PART_RVS	Look up PART using Input File ASY_PART_ID (and ASY_PART_RVS

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Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			N_ID, if multiple revs used). If it exists in PART, enter **N**. Otherwise, enter **Y**.	N_ID, if multiple revs used). If it exists in PART, enter **N**. Otherwise, enter **Y**.
BOM Line Key	BOM_LN_KEY		Add **1** to the largest BOM_LN_KEY existing for this ASY_PART_KEY.	No change.
Component BOM Configuration ID	COMP_BOM_CONFIG_ID	BOM_CONFIG_ID	If input file is null, set to null.	
Component Change User ID	COMP_CHNG_USER_ID		Set to space.	Set to Process User.
Component Effective Ending Date	COMP_EFF_END_DT	COMP_EFF_END_DT	If input file is null, set to null.	
Component Effective Starting Date	COMP_EFF_START_DT	COMP_EFF_START_DT	If input file is null, set to current date.	
Component Entered Date and Time	COMP_ENTR_DTT		Set to current date/time.	No change.
Component Entered User ID	COMP_ENTR_USER_ID		Set to Process User.	No change.
Component Find ID	COMP_FIND_ID	COMP_FIND_ID	If null, set to line number, filling with zeros. For example, Line 7 becomes **0007**.	
Component Last Change Date and Time	COMP_LAST_CHNG_DTT		Null	Set to current date/time
Component Line Number	COMP_LN_NO	COMP_LN_NO		No change.
Component Line Notes	COMP_LN_NT	COMP_LN_NT	If input file is null, set to space.	
Component Part ID	COMP_PART_ID	COMP_PART_ID		

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Component Part Key	COMP_PART_KEY		Look up PART.PART_KEY using Input File COMP_PART_ID (and COMP_PART_RVSN_ID, if multiple revs used). If not in PART, look up PROV_PART.PROV_PART_KEY. If not in PROV_PART, the application creates a new provisional part using the same sequence generator row as ITEM.	Look up PART.PART_KEY using Input File COMP_PART_ID (and COMP_PART_RVSN_ID, if multiple revs used). If not in PART, look up PROV_PART.PROV_PART_KEY. If not in PROV_PART, the application creates a new provisional part using the same sequence generator row as ITEM.
Component Part Revision	COMP_PART_RVSN_ID	COMP_PART_RVSN_ID	If null, add as a space. If ITEM_SETTINGS_CORP. USE_PART_REVSN_FL = **N**, ignore value and always load a space.	If null, add as a space.
Component Provisional Part Flag	COMP_PROV_PART_FL		Look up PART using Input File COMP_PART_ID (and COMP_PART_RVSN_ID, if multiple revs used). If it exists in PART, enter **N**. Otherwise, enter **Y**.	Look up PART using Input File COMP_PART_ID (and COMP_PART_RVSN_ID, if multiple revs used). If it exists in PART, enter **N**. Otherwise, enter **Y**.
Component Quantity	COMP_QTY	COMP_QTY	If **Qty Type** is **R**, set to zero.	If **Qty Type** is **R**, set to zero.

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Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Component Release Date and Time	COMP_REL_DTT		Set to current date/time if ENG_BOM. COMP_REL_FL = **Y**.	Set to current date/time if ENG_BOM. COMP_REL_FL was = **N** and will be changed to **Y**. Set to null if COMP_REL_FL = **N**.
Component Release Flag	COMP_REL_FL	COMP_REL_FL	If the **Allow New MBOM/EBOM lines to be Released** check box is selected, the COMP_REL_FL in the input file determines the status of the EBOM line. If the **Allow New MBOM/EBOM lines to be Released** check box is selected, but the COMP_REL_FL is not entered, set the flag to **Y** in the ENG_BOM table. If the **Allow New MBOM/EBOM lines to be Released** check box is cleared, always set the ENG_BOM. COMP_REL_FL to **N** for new lines.	If the **Allow New MBOM/EBOM lines to be Released** check box is selected, the COMP_REL_FL in the input file determines the status of the EBOM line. If the **Allow New MBOM/EBOM lines to be Released** check box is selected, but the COMP_REL_FL is not entered, set the flag to **Y** in the ENG_BOM table. If the **Allow New MBOM/EBOM lines to be Released** check box is cleared, always set the ENG_BOM. COMP_REL_FL to **N** for new lines.
Component Stop Explosion Flag	COMP_STOP_ EXPL_FL	COMP_STOP_ EXPL_FL	If this value is null, set the flag to **N** if the **Make/Buy** code is **M** and/or the	If this value is null, set the flag to **N** if the **Make/Buy** code is changed to **M**

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			Component Type is **B**. Otherwise, set the flag to **Y**.	and/or the **Component Type** is changed to **B**. If the **Component Type** is changed from **B** and the **Make/Buy** code is **B**, set the flag to **Y**. Likewise if **Make/Buy** code is changed to **B** and the **Component Type** is not **B**, set the flag to **Y**. Otherwise do not change the flag.
Last Change Notice ID	LST_CHNG_ NOTICE_ID		Null	No change.
Modified By	MODIFIED_BY		Set to Process User.	Set to Process User.
Omit Requirements Flag	OMIT_RQMT_FL	OMIT_RQMT_FL	If this value is null, set the flag to **Y** if the **Component Type** is **R** or **T**.	If this value is null, set the flag to **Y** if the **Component Type** is changed to **R** or **T**. Set the flag to N if the **Component Type** is changed to **S**, **P**, or **B**.
Reference Designator	REF_ DESIGNATOR_N T	REF_ DESIGNATOR_N T	If BOM_SETTINGS _CORP. USE_LVC_REFD ES_FL = **N**, reference designator inserts are made to ENG_BOM. REF_DESIGNAT OR_NT.	If BOM_SETTINGS _CORP. USE_LVC_REFD ES_FL = **N**, reference designator inserts are made to ENG_BOM. REF_DESIGNAT OR_NT.

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Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Rowversion	ROWVERSION		0	1+ Original ROWVERSION
Scrap Percentage Rate	SCRAP_PCT_RT	SCRAP_PCT_RT	If Null, set to Component Part's Scrap Rate PART (or PROV_PART). SCRAP_PCT_RT.	If Null, set to Component Part's Scrap Rate PART (o PROV_PART). SCRAP_PCT_RT
EBOM Change	S_EBOM_CHNG_CD		**P**	**P**
Component Type	S_COMP_TYP_CD	S_COMP_TYP_CD	If null, set to Component PART (or PROV_PART). S_PART_TYPE.	If null, set to Component PART (or PROV_PART). S_PART_TYPE.
Make/Buy	S_MAKE_BUY_CD	S_MAKE_BUY_CD	If null, set to Component PART (or PROV_PART). S_MAKE_BUY_CD.	If null, set to Component PART (or PROV_PART). S_MAKE_BUY_CD.
Quantity Type	S_QTY_TYP_CD	S_QTY_TYP_CD	If null and PART (OR PROV_PART). AS_REQD_FL = **Y**, set to **R**. If null and PART (or PROV_PART).AS_REQD_ FL = **N**, set to **A**.	If null and PART (OR PROV_PART). AS_REQD_FL = **Y**, set to **R**. If null and PART (or PROV_PART).AS_REQD_ FL = **N**, set to **A**.
Timestamp	TIME_STAMP		Set to current date/time.	Set to current date/time.
Company ID	COMPANY_ID		If ASY_PROV_PART_FL = **N**, set to user's company. Otherwise, set to null.	No change.

ENG_BOM_TEXT Table

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Active Flag	ACTIVE_FL		Y	No change.
Assembly Part Key	ASY_PART_KEY		ENG_BOM. ASY_PART_KEY	No change.
BOM Line Key	BOM_LN_KEY		ENG_BOM. BOM_LN_KEY	No change.
Component Part Key	COMP_PART_KEY		ENG_BOM. COMP_PART_KEY	ENG_BOM. COMP_PART_KEY
Modified By	MODIFIED_BY		Set to Process User.	Set to Process User.
Rowversion	ROWVERSION		0	1+ Original ROWVERSION
Sequence Number	SEQ_NO		The sequence numbers should start at **10** and be incremented by 10 for each new row added for that BOM line	No change.
Text Code	TEXT_CD		Component part's ITEM_TEXT. TEXT_CD or PROV_PART_TEXT.TEXT_CD. Component part's ITEM_TEXT. TEXT_CD. If the **Autoload MBOM/EBOM Text** check box is selected, for each new EBOM line added, the ITEM_TEXT table is looked up to see if there are any rows with the component part's ITEM_KEY. If there are one or more rows, check	Component part's ITEM_TEXT. TEXT_CD or PROV_PART_TEXT.TEXT_CD.

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			each active ITEM_TEXT row's TEXT_CD against the TEXT_WHERE_USED table. If a row exists with that TEXT_CD and a S_WHERE_USED_CD = **B**, create a ENG_BOM_TEXT row with that component part and that text code.	
Timestamp	TIME_STAMP		Set to current date/time.	Set to current date/time.

ENG_BOM_REF Table

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Assembly Part Key	ASY_PART_KEY		ENG_BOM. ASY_PART_ KEY. Only if BOM_SETTINGS _CORP. USE_LVC_REFD ES_FL = **Y**.	No change.
BOM Line Key	BOM_LN_KEY		ENG_BOM. BOM_LN_KEY. Only if BOM_SETTINGS _CORP. USE_LVC_REFD ES_FL = **Y**.	No change.
Modified By	MODIFIED_BY		Set to Process User. Only if BOM_SETTINGS _CORP. USE_LVC_REFD ES_FL = **Y**.	No change.

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Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Reference Designator Text	REF_DESIGNATOR_TX	REF_DESIGNATOR_TX	Only if BOM_SETTINGS_CORP.USE_LVC_REFDES_FL = **Y**. If **Record Type** is **A**, and no reference designator is entered, do not add ENG_BOM_REF row.	No change. If **Record Type** is **C**, do not update existing data. If **Record Type** is **D**, delete the corresponding reference designator row from ENG_BOM_REF.
Rowversion	ROWVERSION		0. Only if BOM_SETTINGS_CORP.USE_LVC_REFDES_FL = **Y**.	No change.
Timestamp	TIME_STAMP		Set to current date/time. Only if BOM_SETTINGS_CORP.USE_LVC_REFDES_FL = **Y**.	No change.

PART Table

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
EBOM Assembly Change User	EBOM_ASY_CHNG_USER		If EBOM_EXIST_FL was originally **Y**, set to Process User; otherwise, do not update.	Set to Process User.
EBOM Assembly Entered Date and Time	EBOM_ASY_ENTR_DTT		If originally null, set to current date/time; otherwise, don't update.	No change.
EBOM Assembly Entered User	EBOM_ASY_ENTR_USER		If originally null, set to Process User; otherwise, don't update.	No change.

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
EBOM Assembly Change Date	EBOM_ASY_CHNG_DTT		If EBOM_EXIST_FL was originally **Y**, set to current date/time; otherwise, do not update.	Set to current date/time.
EBOM Exists	EBOM_EXIST_FL		If originally **N**, set to **Y**.	If no ENG_BOM rows exist (due to deletions), set to **N**; otherwise, leave as **Y**.
Modified By	MODIFIED_BY		Set to Process User.	Set to Process User.
Rowversion	ROWVERSION		1+ Original ROWVERSION	1+ Original ROWVERSION
EBOM Assembly Release Code	S_EBOM_ASY_REL_CD	ASY_REL_CD	Generally, the S_EBOM_ASY_REL_CD of the assembly part is set to the value in the input file record(s). If all the S_EBOM_ASY_REL_CD values are null for that assembly part's input file records, and one or more ENG_BOM rows already existed for that assembly part, do not change the S_EBOM_ASY_REL_CD. If no existing ENG_BOM rows existed for the assembly part, and all the input file records for that assembly part have a	Generally, the S_EBOM_ASY_REL_CD of the assembly part is set to the value in the input file record(s). If all the S_EBOM_ASY_REL_CD values are null for that assembly part's input file records, and one or more ENG_BOM rows already existed for that assembly part, do not change the S_EBOM_ASY_REL_CD. If no existing ENG_BOM rows existed for the assembly part, and all the input file records for that assembly part have a

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Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			COMP_REL_FL = **Y**, set the assembly's S_EBOM_ASY_REL_CD = **R**. Otherwise set it to **U**.	COMP_REL_FL = **Y**, set the assembly's S_EBOM_ASY_REL_CD = **R**. Otherwise set it to **U**.
EBOM Change Code	S_EBOM_CHNG_CD		**P**	**P**
Timestamp	TIME_STAMP		Set to current date/time.	Set to current date/time.
EBOM Assembly Notes	EBOM_ASY_NOTES		Space	No change.
EBOM Assembly Release User	EBOM_ASY_REL_USER		If originally null, set to Process User if PART.S_EBOM_ASY_REL_CD = **R**; otherwise, don't update.	If originally null, set to Process User if PART.S_EBOM_ASY_REL_CD = **R**; otherwise, don't update.
EBOM Assembly Release Date and Time	EBOM_ASY_REL_DTT		If originally null, set to current date/time if PART.S_EBOM_ASY_REL_CD = **R**; otherwise, don't update	If originally null, set to current date/time if PART.S_EBOM_ASY_REL_CD = **R**; otherwise, don't update
EBOM Yield Percentage Rate	EBOM_YIELD_PCT_RT		100%	No change.

PROV_PART Table

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Provisional Part Key	PROV_PART_KEY			No change.
Provisional Part ID	PROV_PART_ID	ASY_PART_ID or COMP_PART_ID	Only if originally not in PART or PROV_PART.	No change.
Provisional Part Revision ID	PROV_PART_RVSN_ID	ASY_PART_RVSN_ID or COMP_PART_RVSN_ID	Set to space if ITEM_SETTINGS_CORP.	No change.

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			USE_PART_RVSN_FL = **N**.	
Provisional Part Last Revision ID	PROV_LAST_RVSN_ID	ASY_PART_RVSN_ID or COMP_PART_RVSN_ID	Set to PROV_PART_RVSN_ID if ITEM_SETTINGS_CORP. USE_PART_RVSN_FL = **Y**.	No change.
Provisional Part Description	PROV_DESC		Default same as PROV_PART_ID.	No change.
Provisional Part Notes	PROV_NT		Space	No change.
Provisional Part Type	PROV_PART_TYPE_CD		**Default Prov Part Type** code from preprocessor screen.	No change.
Unit of Measure	UM_CD		**EA**	No change.
Active	ACTIVE_FL		**Y**	No change.
Total Leadtime Days	TOT_LT_DAYS_NO		**0**	No change.
Commodity Code	COMM_CD		Null	No change
Industry Classification	IND_CLASS_CD		Null	No change
Always Quote Flag	ALWAYS_QT_FL		**N**	No change
Max Lot Size Quantity	MAX_LOT_SIZE_QTY		**0**	No change
Min Lot Size Quantity	MIN_LOT_SIZE_QTY		**0**	No change.
Multiple Lot Size Quantity	MULT_LOT_SIZE_QTY		**0**	No change.
EBOM Assembly Release Code	S_EBOM_ASY_REL_CD		If PROV_PART.EBOM_EXIST_FL = **Y**, set to **U**;	If PROV_PART.EBOM_EXIST_FL = **Y**, set to **U**;

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			otherwise, set to **N**.	otherwise, set to **N**.
Order Policy Type	S_ORD_POLICY_TYPE		ITEM_SETTINGS. S_ORD_POLICY_TYPE	No change.
Make/Buy Code	S_MAKE_BUY_CD	If new provisional part is the component, load MAKE_BUY_CD from input file if available.	Load "**M**" if new provisional part is the assembly. Load "**B**" if new provisional part is the component, and input file does not have any value.	No change.
Part Type	S_PART_TYPE		**S**	No change.
CAGE ID	CAGE_ID_FLD		From the Product Definition Settings screen in Costpoint Product Definition.	No change.
As Required Flag	AS_REQD_FL		**N**	No change.
National Stock Number	NSN_ID		Space	No change.
Military Spec ID	MIL_SPEC_ID		Space	No change.
Weight	WEIGHT_NO		0	No change.
EBOM Yield Percentage Rate	EBOM_YIELD_PCT_RT		100%	No change.
Scrap Percentage Rate	SCRAP_PCT_RT		0%	No change.
Period Order Days	PD_ORD_DAYS_NO		0	No change.
EBOM Exists	EBOM_EXIST_FL		If PROV_PART_KEY = ASY_PART_KEY, set to **Y**, otherwise, set to **N**.	If originally **N**, and PROV_PART_KEY = ASY_PART_KEY, set to **Y**. If originally **Y**, and no ENG_BOM rows exist (due to

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
				deletions), set to **N**. Otherwise, no change.
EBOM Assembly Notes	EBOM_ASY_ NOTES		Space	
Entered Date and Time	ENTR_DTT		System date and time.	No change.
Entered User ID	ENTR_USER_ID		Set to Process User.	No change.
EBOM Assembly Entered User	EBOM_ASY_ ENTR_USER		If PROV_PART_KE Y = ASY_PART_KEY, set to Process User. Otherwise, set to null.	If PROV_PART. EBOM_EXIST_F L originally was **N**, and PROV_PART_KE Y = ASY_PART_KEY, set to Process User. Otherwise, no change.
EBOM Assembly Entered Date and Time	EBOM_ASY_ ENTR_DTT		If PROV_PART_KE Y = ASY_PART_KEY, set to current date and time. Otherwise, set to Null	If PROV_PART. EBOM_EXIST_F L originally was **N**, and PROV_PART_KE Y = ASY_PART_KEY, set to current date and time. Otherwise, no change.
EBOM Assembly Change User	EBOM_ASY_ CHNG_USER		Null	If PROV_PART. EBOM_EXIST_F L originally was **Y**, set to Process User; otherwise, do not update.
EBOM Assembly Change Date	EBOM_ASY_ CHNG_DTT		Null	If PROV_PART. EBOM_EXIST_F L originally was **Y**, set to current date and time; otherwise, do not update.

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
EBOM Change Code	S_EBOM_CHNG_CD		**P**	**P**

PBOM Table Updates

PBOM_HDR Table

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Proposal Key	PROP_KEY		Look up PROP_HDR. PROP_KEY using Input File PROP_ID and PROP_RVSN_ID.	No change.
Proposal ID	PROP_ID	PROP_ID		No change.
Proposal Revision ID	PROP_RVSN_ID	PROP_RVSN_ID	If null, add as a space.	No change.
Assembly Part Key	ASY_PART_KEY		Look up PART.PART_KEY using Input File ASY_PART_ID (and ASY_PART_RVSN_ID, if ITEM_SETTINGS_CORP. USE_PART_RVSN_FL = **Y**). If not in PART, look up PROV_PART. PROV_PART_KEY. If not in PROV_PART, the application creates a new provisional part using the same sequence generator row as ITEM.	No change.
Assembly Part ID	ASY_PART_ID	ASY_PART_ID		No change.

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Assembly Part Revision	ASY_PART_RVSN_ID	ASY_PART_RVSN_ID	If null, add as a space. If ITEM_SETTINGS_CORP. USE_PART_REVSN_FL = **N**, ignore value and always load a space.	No change.
Assembly User Revision	ASY_USER_RVSN_FLD		ASY_PART_RVSN_ID	No change.
Assembly Provisional Part Flag	ASY_PROV_PART_FL		Look up PART using Input File ASY_PART_ID (and ASY_PART_RVSN_ID, if ITEM_SETTINGS_CORP. USE_PART_RVSN_FL = **Y**). If it exists in PART, enter **N**. Otherwise, enter **Y**.	Look up PART using Input File ASY_PART_ID (and ASY_PART_RVSN_ID, if ITEM_SETTINGS_CORP. USE_PART_RVSN_FL = **Y**). If it exists in PART, enter **N**. Otherwise, enter **Y**.
Yield Percentage Rate	YIELD_PCT_RT		100%	No change.
PBOM Status	S_PBOM_STATUS_CD		Generally, the PBOM_HDR.S_PBOM_STATUS_CD of the assembly part is set to the **Assembly BOM Status** (ASY_REL_CD) value in the input file record(s). For Record Type = **A** (Add), if no PBOM_HDR rows existed for the assembly part, and all the input file records	No change (if not in input file).

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Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			for that assembly part have a COMP_FIRM_FL = **Y**, set the assembly's PBOM_HDR. S_PBOM_STATU S_CD = **F** (Firmed). For Record Type = **A** (Add), if no PBOM_HDR rows existed for the assembly part, and one or more input file records for that assembly part have a COMP_FIRM_FL = **N** or Null, set the assembly's PBOM_HDR S_PBOM_STATU S_CD = U (Unfirmed).	
Assembly Notes	ASY_NOTES		Space	No change.
Modified By	MODIFIED_BY		Set to Process User.	Set to Process User.
Rowversion	ROWVERSION		0	1+ Original ROWVERSION
Timestamp	TIME_STAMP		Set to current date/time.	Set to current date/time.
Company ID	Company ID		Set to user's company.	No change.

PBOM_LN Table

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Proposal Key	PROP_KEY		Look up PROP_HDR. PROP_KEY	No change.

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			using Input File PROP_ID and PROP_RVSN_ID.	
Assembly Part Key	ASY_PART_KEY			No change.
PBOM Line Key	PBOM_LN_KEY		Add "1" to the largest PBOM_LN_KEY existing for this ASY_PART_KEY.	No change.
Assembly Part ID	ASY_PART_ID	ASY_PART_ID		No change.
Assembly Part Revision	ASY_PART_RVSN_ID	ASY_PART_RVSN_ID	If null, add as a space. If ITEM_SETTINGS_CORP. USE_PART_REVSN_FL = **N**, ignore value and always load a space.	No change.
Assembly Provisional Part Flag	ASY_PROV_PART_FL		Look up PART using Input File ASY_PART_ID (and ASY_PART_RVSN_ID, if ITEM_SETTINGS_CORP. USE_PART_RVSN_FL = **Y**). If it exists in PART, enter **N**. Otherwise, enter **Y**.	Look up PART using Input File ASY_PART_ID (and ASY_PART_RVSN_ID, if ITEM_SETTINGS_CORP. USE_PART_RVSN_FL = **Y**). If it exists in PART, enter **N**. Otherwise, enter **Y**.
Component Line Number	COMP_LN_NO	COMP_LN_NO		No change.
Component Find Number	COMP_FIND_ID	COMP_FIND_ID		
Component Part Key	COMP_PART_KEY		Look up PART.PART_KEY using Input File COMP_PART_ID (and	Look up PART.PART_KEY using Input File COMP_PART_ID (and

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			COMP_PART_RVSN_ID, if ITEM_SETTINGS_ CORP. USE_PART_ RVSN_FL = **Y**). If not in PART, look up PROV_ PART.PROV_PA RT_KEY. If not in PROV_PART, the program creates a new provisional part using the same sequence generator row as ITEM.	COMP_PART_RVSN_ID, if ITEM_SETTINGS_ CORP. USE_PART_ RVSN_FL = **Y**). If not in PART, look up PROV_ PART.PROV_ PART_KEY. If not in PROV_PART, the program creates a new provisional part using the same sequence generator row as ITEM.
Component Part ID	COMP_PART_ID	COMP_PART_ID		
Component Part Revision	COMP_PART_RVSN_ID	COMP_PART_RVSN_ID	If null, add as a space.	If null, add as a space.
Component Part User Revision	COMP_USER_RVSN_FLD		COMP_PART_RVSN_ID	COMP_PART_RVSN_ID
Component Provisional Part Flag	COMP_PROV_PART_FL		Look up PART using Input File COMP_PART_ID (and COMP_PART_RVSN_ID, if ITEM_SETTINGS_ CORP. USE_PART_ RVSN_FL = **Y**). If it exists in PART, enter **N**. Otherwise, enter **Y**.	Look up PART using Input File COMP_PART_ID (and COMP_PART_RVSN_ID, if ITEM_SETTINGS_ CORP. USE_PART_ RVSN_FL = **Y**). If it exists in PART, enter **N**. Otherwise, enter **Y**.
Component Quantity	COMP_QTY	COMP_QTY		
Component Firmed	COMP_FIRM_FL	COMP_FIRM_FL	For Record Type = **A** (Add), if the User enters a new component	No change (if not in input file).

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			line and **Component Released Flag** is null in the input file, the **Component Firmed Flag** (PBOM_LN.COMP_FIRM_FL) should default based on the header PBOM status for matching Proposal/Assembly (PBOM.HDR_S_PBOM_STATUS_CD). If the PBOM **Status** is **U** (Unfirmed), set the **Component Firmed Flag** to **N**; otherwise, set to **Y**.	
			For Record Type = **A** (Add), if no PBOM_HDR rows existed for the proposal/assembly part, and all the input file records for that assembly have ASY_REL_CD = **F** (Firmed), set the **Component Firmed Flag** to **Y**.	
			For Record Type = **A** (Add), if no PBOM_HDR rows existed for the proposal/assembly part, and all the input	

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Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
			file records for that assembly have ASY_REL_CD = **U** (Unfirmed) or Null, set the **Component Firmed Flag** to **N**.	
Quantity Type	S_QTY_TYP_CD	S_QTY_TYP_CD	If null and PART (OR PROV_PART). AS_REQD_FL = **Y**, set to **R**. If null and PART (or PROV_PART).AS_REQD_ FL = **N**, set to **A**.	If null and PART (OR PROV_PART). AS_REQD_FL = **Y**, set to **R**. If null and PART (or PROV_PART).AS_REQD_ FL = **N**, set to **A**.
Component Type	S_COMP_TYP_CD	S_COMP_TYP_CD	If null, set to Component PART (or PROV_PART). S_PART_TYPE.	If null, set to Component PART (or PROV_PART). S_PART_TYPE (only if component is changed from original).
Make/Buy	S_MAKE_BUY_CD	S_MAKE_BUY_CD	If null, set to Component PART (or PROV_PART). S_MAKE_BUY_CD.	If null, set to Component PART (or PROV_PART). S_MAKE_BUY_CD.
Work Breakdown Structure	WBS_ID		Null	Null
Component Line Notes	COMP_LN_NT	COMP_LN_NT	If input file is null, set to space.	If input file is null, set to space.
Scrap Percentage Rate	SCRAP_PCT_RT	SCRAP_PCT_RT	If null, set to Component Part's Scrap Rate PART (or PROV_PART).SCRAP_ PCT_RT.	If null, set to Component Part's Scrap Rate PART (or PROV_PART).SCRAP_ PCT_RT.

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Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Component Stop Explosion Flag	COMP_STOP_EXPL_FL	COMP_STOP_EXPL_FL	If this value is null, set the flag to **N** if the **Make/Buy** code is **M** and/or the **Component Type** is **B**. Otherwise, set the flag to **Y**.	If this value is null, set the flag to **N** if the **Make/Buy** code is changed to **M** and/or the **Component Type** is changed to **B**. If the **Component Type** is changed from **B** and the **Make/Buy** code is **B**, set the flag to **Y**. Likewise if **Make/Buy** code is changed to **B** and the **Component Type** is not **B**, set the flag to **Y**.
Omit Requirements Flag	OMIT_RQMT_FL	OMIT_RQMT_FL	If null, set the flag to **Y** if the **Component Type** is **R** or **T**.	If null, set the flag to **Y** if the **Component Type** is changed to **R** or **T**. Set the flag to **N** if **Component Type** is changed to **S**, **P**, or **B**.
Modified By	MODIFIED_BY		Set to Process User.	Set to Process User.
Rowversion	ROWVERSION		0	1+ Original ROWVERSION
Timestamp	TIME_STAMP		Set to current date/time.	Set to current date/time.

PROV_PART Table

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Provisional Part Key	PROV_PART_KEY			No change.

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
	PROV_PART_ID	COMP_PART_ID	Only if originally not in PART or PROV_PART.	No change.
Provisional Part Revision ID	PROV_PART_RVSN_ID	COMP_PART_RVSN_ID	Set to space if ITEM_SETTINGS_CORP.USE_PART_RVSN_FL = **N**.	No change.
Provisional Part Last Revision ID	PROV_LAST_RVSN_ID	COMP_PART_RVSN_ID	Set to PROV_PART_RVSN_ID if ITEM_SETTINGS_CORP.USE_PART_RVSN_FL = **Y**.	No change.
Provisional Part Description	PROV_DESC		Default same as PROV_PART_ID.	No change.
Provisional Part Notes	PROV_NT		Space	No change.
Provisional Part Type	PROV_PART_TYPE_CD		**Default Prov Part Type** code from preprocessor screen.	No change.
Unit of Measure	UM_CD		EA	No change
Active	ACTIVE_FL		**Y**	No change
Total Leadtime Days	TOT_LT_DAYS_NO		0	No change
Commodity Code	COMM_CD		Null	No change
Industry Classification	IND_CLASS_CD		Null	No change
Always Quote Flag	ALWAYS_QT_FL		**N**	No change
Max Lot Size Quantity	MAX_LOT_SIZE_QTY		0	No change.
Min Lot Size Quantity	MIN_LOT_SIZE_QTY		0	No change.

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Multiple Lot Size Quantity	MULT_LOT_SIZE _QTY		0	No change.
EBOM Assembly Release Code	S_EBOM_ASY_ REL_CD		**N**	No change.
Order Policy Type	S_ORD_POLICY _TYPE		ITEM_SETTINGS . S_ORD_POLICY _TYPE	No change.
Make/Buy Code	S_MAKE_BUY_ CD	If new provisional part is the component, load MAKE_BUY_CD from input file if available.	Load **M** if new provisional part is the assembly. Load **B** if new provisional part is the component, and input file does not have any value.	No change.
Part Type	S_PART_TYPE		**S**	No change.
CAGE ID	CAGE_ID_FLD		From the Configure Product Definition Settings screen in Costpoint Product Definition.	No change.
As Required Flag	AS_REQD_FL		**N**	No change.
National Stock Number	NSN_ID		Space	No change.
Military Spec ID	MIL_SPEC_ID		Space	No change.
Weight	WEIGHT_NO		0	No change.
EBOM Yield Percentage Rate	EBOM_YIELD_P CT_RT		100%	No change.
Scrap Percentage Rate	SCRAP_PCT_RT		0%	No change.
Period Order Days	PD_ORD_DAYS_ NO		0	No change.
EBOM Exists	EBOM_EXIST_F L		**N**	No change.
EBOM Assembly Notes	EBOM_ASY_NO TES		Space	No change.

Column Name	Costpoint Column Name	Input File Value	Notes (for adding rows)	Notes (for changing rows)
Entered Date and Time	ENTR_DTT		System date and time.	No change.
Entered User ID	ENTR_USER_ID		Set to Process User.	No change.
EBOM Assembly Entered User	EBOM_ASY_ ENTR_USER		Null	No change.
EBOM Assembly Entered Date and Time	EBOM_ASY_ ENTR_DTT		Null	No change.
EBOM Assembly Change User	EBOM_ASY_CH NG_USER		Null	No change.
EBOM Assembly Change Date	EBOM_ASY_CH NG_DTT		Null	No change.
EBOM Change Code	S_EBOM_CHNG _CD		P	No change.

Error Processing and Input Files

If you preview or print a test copy before clicking ⚙️ ▼, the errors that prevent an input file record from processing are reported in an error report.

The application makes no changes to the input and error files, and the error line number is not printed. Error line numbers print only if you click ⚙️ ▼ first.

An error occurs because a condition is not met for a field that is being processed in an input file record. Any input file records with one or more **E** (Error) type errors are removed from the input file and moved to an error file. The error file has the same format as the input file with an error file number added to it for reference. If the input file record contains one or more **W** (Warning) type errors (which serve as a notification that the input file record may contain an error) and the **Prevent Insert/Update if Warning Conditions Exist** check box is selected, the input file record moves to the top of the error file and a number is assigned to it. Conversely, if the input file record has one or more **W** (Warning) type errors and the **Prevent Insert/Update if Warning Conditions Exist** check box is not selected, the input file record is not moved to the error file.

The error file's file path is the same as the input file's file path, and named BMMMDDYY.ERR, where MMDDYY is the date on which the process is being run. If the error file already exists, new errors are appended to the file.

> **Note:** If a record with one or more warnings, but no errors, is processed when the **Prevent Insert/Update if Warning Condition Exists** check box is cleared, that record is excluded from the count for Total Bad Records.

If you click ⬛ or ⚙ ▼, and the **File Format** is **Delimited**, and the delimiter does not exist in Line 1 of the input file, the following error message displays: "Line 1 does not contain the correct field delimiter."

The application checks for error conditions in the applicable tables, as outlined in the **Error Condition** column in the following table. The following Error Values apply to each error condition and message indicated in the following tables:

- Record Type (REC_TYPE).
- Assembly Part ID (ASY_PART_ID), Assembly Part Revision (ASY_PART_RVSN_ID).
- Component Line Number (COMP_LN_NO).
- BOM Configuration ID (BOM_CONFIG_ID).
- Part and Provisional Part (PART and PROV_PART) error if you selected the **Create New Provisional Parts** check box.
- Proposal ID (PROP_ID) and Proposal Revision (PROP_RVSN_ID) (applies to Proposal BOMs only).

Contents of the Error Processing and Input Files

Use the fields and options to configure the Error Processing and Input Files.

Process Validation (for All BOM Types)

Field	Error Message	Error Condition	Error Type
All Required Fields	This field must be entered.	Not supplied in input file.	E
Record Type	This is not a valid record type.	Not **A** (Add), **C** (Change), or **D** (Delete).	E
BOM Type	This is not a valid BOM Type.	Not **M** (MBOM), **E** (EBOM), or **P** (PBOM).	
Assembly Part	This is not a valid part number.	Part is not in Item master, and **BOM Type** is **M**. If ITEM_SETTINGS_CORP. ITEMS_BY_COMP_FL is set to **Y**, part must also be for user's company.	E
Assembly Part	Only parts can be used in Bills of Material.	Item type is not **P** (Part).	E
Assembly Part	This part is inactive.	Inactive.	E

Field	Error Message	Error Condition	Error Type
Assembly Part	This part's status is "Phase-Out."	Part status is **Phase-Out**.	W
Assembly Part	This part's status is "Obsolete."	Part status is **Obsolete**.	W
Assembly Part	One or more open ECNs exists for this assembly part.	ECN Original Part matches the BOM Assembly Part, and corresponding **ECN Status Code** is **P** (Pending), **A** (Approved), **D** (Documents Updated), or **I** (In Approval).	W
Assembly Part	Warning: This part/rev's status is MPS Planning-Only.	**Mult Revs** = **N** and **Part Type** = **MPS Planning-Only** (PART.S_PART_TYPE = **L** for user's company if ITEM_SETTINGS_CORP. ITEMS_BY_COMP_FL = **Y**)	W
Line No	Line No must be greater than zero.	**Line No** is less than zero.	E
Component Part	This is not a valid part number.	Part is not in Item master, and **BOM Type** is **M**.	E
Component Part	Only parts can be used in Bills of Material.	Item type is not **P** (Part).	E
Component Part	This part is inactive.	Inactive.	E
Component Part	This part's status is phase-out.	**Part Status** is **Phase-Out**.	W
Component Part	This part's status is obsolete.	**Part Status** is **Obsolete**.	W
Component Part	One or more open ECNs exists for this component part.	**ECN Original Part** is equal to the **BOM Component Part**, and corresponding **ECN Status Code** is **P** (Pending), **A** (Approved), **D**	W

Field	Error Message	Error Condition	Error Type
		(Documents Updated), or **I** (In Approval).	
Component Type	Component Type must equal S, B, P, R, T, or D.	**Component Type** is not **B** (Buy w/Comp), **S** (Standard), **P** (Phantom), **R** (Reference), **T** (Tool), or **D** (Deleted).	E
Quantity Type	Quantity Type must equal A, O or R.	**Quantity Type** is not **A** (Per Assembly), **O** (Per Order), or **R** (As required).	E
Quantity	Quantity cannot be less than zero.	**Quantity** is less than zero.	E
Quantity	Fractional amounts will be rounded up when exploding BOM Requirements.	**Component Default U/M** is **EA**, and quantity is not a whole number.	W
Quantity	Warning: Fractional amounts will be rounded up when exploding BOM Requirements.	**Component Default UM** is **EA** and quantity is not a whole number, and Assembly Part/Rev is NOT a MPS **Planning-Only** type of part (PART. S_PART_TYPE = **L** for user's company if ITEM_SETTINGS_CO RP. ITEMS_BY_COMP_F L = **Y**).	W
Invalid Make/Buy	Make/Buy Code must be M or B.	**Make/Buy** code is not **M** (Make) or **B** (Buy).	E
Effectivity End Date	This part is currently out of effectivity.	Effectivity end date is earlier than or the same as the current date, and the **BOM Type** is **M** or **E**.	W
Scrap	This number cannot be less than zero.	Scrap is less than zero.	E
Stop Explosion Flag	Stop Explosion Flag must equal Y or N.	**Stop Explosion Flag** is not **Y** or **N**.	E

Field	Error Message	Error Condition	Error Type
Omit Requirement Flag	Omit Requirement Flag must equal Y or N.	**Omit Requirement Flag** is not **Y** or **N**.	E
Comp Release Flag	Valid Comp Release Flag codes are 'Y' for released or 'N' for unreleased.	Invalid Comp Release Flag.	E
Assembly Part	This part number does not exist. A provisional part will be created.	Invalid - Not in ITEM or PROV_PART, and **BOM Type** is **E** or **P**. **Create New Provisional Parts** check box is selected on preprocessor screen.	W
Assembly Part	This part number does not exist. The record will not be processed.	Invalid - Not in ITEM or PROV_PART, and **BOM Type** is **E** or **P**. **Create New Provisional Parts** check box is not selected on preprocessor screen.	E
Component Part	This part number does not exist. A provisional part will be created.	Invalid - Not in ITEM or PROV_PART, and **BOM Type** is **E** or **P**. **Create New Provisional Parts** check box is selected on preprocessor screen.	W
Component Part	This part number does not exist. The record will not be processed.	Invalid - Not in ITEM or PROV_PART, and **BOM Type** is **E** or **P**. **Create New Provisional Parts** check box is not selected on preprocessor screen.	E
Assembly Part/ Component Part	MPS planned parts can only be components of other MPS planned parts.	Component Part's **Planning Type** is **MPS** and assembly part's planning type is not MPS. For validation purposes,	E

Field	Error Message	Error Condition	Error Type
		do not include BOM lines where the component type is **D** or the out effectivity date is not null and less than or equal to the current date.	
BOM Type	The system is not set up to use Engineering Bills of Materials. Records with BOM Type = E will not be processed.	**BOM Type** is **E**, and BOM_SETTINGS_CORP. USE_EBOM_FL = **N**.	E
Proposal	Bills of Material for this Proposal have been frozen. This record will not be processed.	PROP_HDR. FREEZE_PBOM_FL = **Y**.	E
Proposal	This Proposal/Rev combination does not exist.	Proposal/Rev combination not found in PROP_HDR.	E
	The quantity must equal zero for a quantity type of As-Required	**Qty Type** is **R**, **Qty** is not "0."	E

Process Validation - Manufacturing BOM (BOM Type = M)

Field	Error Message	Error Condition	Error Type
Record Type	This Manufacturing BOM line cannot be found.	**Record Type** is **C** (Change) or **D** (Delete), and no MBOM line match can be found using the assembly part, component line number, or configuration ID.	E
Assembly BOM Status	Released MBOMs cannot be changed or deleted.	**Record Type** is **C** (Change) or **D** (Delete), the **Allow Released MBOM/ EBOM Lines to be Changed/Deleted** check box is not	E

Field	Error Message	Error Condition	Error Type
		selected, and the **Assembly Part Release Status** is **R** (Released).	
Assembly BOM Status	Assemblies must have a BOM status of "R" (Released), "U" (Unreleased) or "P" (Partially Released).	**Assembly Part Release Status** is not **R** (Released), **U** (Unreleased), or **P** (Partially Released).	E
Assembly BOM Status	Input file records with the same assembly must also have the same Assembly BOM Status value. No input records for this assembly will be processed.	Assembly Part ID and Assembly Part Revision combination exists on multiple input file records, and they have different **Assembly BOM Status** values.	E
Assembly BOM Status	The assembly part has a status of Estimating and is not a Planning Only part. It cannot have a BOM release status of Released or Partially Released.	ASY_REL_CD = **R** or **P**, Assembly Part status is **E** (Estimating), **Assembly Part/Rev** is not a **Planning Only** part type (PART.S_PART_TYPE is not **L**, for user's company if ITEM_SETTINGS_CORP. ITEMS_BY_COMP_FL = **Y**)	E
Assembly BOM Status	The assembly part has a status of pre-release.	**Assembly BOM Status** is **R**; **Assembly Part Status** is **Pre-Release**.	E
Assembly BOM Status	MBOMs cannot be released with this process.	**Record Type** is **A** (Add), the **Allow New MBOM/EBOM Lines to be Released** check box is not selected, and the input file's **Assembly BOM Status** is **R**.	E

Field	Error Message	Error Condition	Error Type
Assembly BOM Status	MBOMs cannot be released with this process.	**Record Type** is **C** (Change), the **Allow New MBOM/EBOM Lines to be Released** check box is not selected, the input file's **Assembly BOM Status** is **R**, and assembly part's release status is **P** (Partially Released) or **U** (Unreleased).	E
Assembly BOM Status	This assembly has a subassembly with an unreleased MBOM.	Input file's **Assembly BOM Status** is **R**, the **Allow New MBOM/ EBOM Lines to be Released** check box is selected, and one or more existing MBOM lines exist for this assembly with the component part's release status of **P** (Partially Released) or **U** (Unreleased).	E
Assembly BOM Status	Unreleased MBOM components will be released, unless the component type is 'D'eleted.	Input file's **Assembly BOM Status** is **R**, the **Allow New MBOM/ EBOM Lines to be Released** check box is selected, and one or more existing MBOM lines exist for this assembly with the **Component Release Flag** of **N**.	W
BOM Configuration	This BOM Configuration is not valid.	BOM Configuration ID is not in the Configuration ID table. If ITEM_SETTINGS_CORP. ITEMS_BY_COMP_FL is set to **Y**, check for user company.	E

Field	Error Message	Error Condition	Error Type
BOM Configuration	BOM Configuration IDs are not used. The value will not be loaded	BOM Configuration ID is entered, and the **Use Configuration IDs** check box is cleared on the **BOM Corporate Settings** block of the Configure Bills of Material Settings screen.	W
Component Release Flag	Valid component status codes are Y for released or N for unreleased.	**Component Release Flag** is not **Y** or **N**.	E
Component Release Flag	The part has a status of estimating-only. You must release the part on the part master before it can be released in a BOM.	**Component Release Flag** is **Y**, and part status is **Estimating**.	E
Component Release Flag	The part has a status of pre-release. You must release the part on the part master before it can be released in a BOM.	**Component Release Flag** is **Y**, and part status is **Pre-Release**.	E
Component Release Flag	A released assembly cannot have unreleased components.	**Assembly BOM Status** is **R**, **Component Release Flag** is **N**, and COMP_TYPE is not **D**.	E
Component Release Flag	A released assembly cannot have unreleased components.	**Record Type** is **C** (Change), input file **Assembly BOM Status** is null, **Component Release Flag** is **N**, and Assembly Part's **Release Status** is **R** and either the COMP_TYPE not is **D** (if in input file), or MFG_BOM.S_COMP_TYP_CD is not **D** (if not in input file).	E

Field	Error Message	Error Condition	Error Type
Component Release Flag	This Component line cannot be released.	**Record Type** is **A** (Add), **Component Release Flag** is **Y**, but the **Allow New MBOM/EBOM Lines to be Released** check box is not selected.	W
Component Release Flag	This Component line cannot be released.	**Record Type** is **C**, MBOM **Component Release Flag** is **N**, and input file's **Component Release Flag** is **Y**, but the **Allow New MBOM/ EBOM Lines to be Released** check box is not selected.	W
Component Release Flag	This released component line cannot be changed or deleted.	**Record Type** is **C** or **D**, and the existing MBOM **Component Release Flag** is **Y**, but the **Allow Released MBOM/EBOM Lines to be Changed/ Deleted** check box is not selected.	E
Component Release Flag	A component subassembly cannot have a release flag set to 'Y' when its BOM status is not released.	Component Part's **BOM Release Status** is **Unreleased** or **Partially Released**, and **Component Release Flag** is **Y**.	E
Warehouse	The Warehouse ID is not valid. Warehouse will not be loaded.	**Warehouse ID** is not in Warehouse table, for user's company.	W
Warehouse	This component is not set up as a backflush part. Warehouse will not be loaded.	**Warehouse** is not null, and part **Backflush** flag is **N**.	W
Location	This component is not set up as a backflush part. Location will not be loaded.	**Location** is not null, and part **Backflush** flag is **N**.	W

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Field	Error Message	Error Condition	Error Type
Warehouse/ Location	The warehouse/ location is not valid. Warehouse/location will not be loaded.	**Warehouse/Location** combination is not in Warehouse table or Locations table.	W
Warehouse/ Location	The location does not have a type of on-hand. Warehouse/ Location will not be loaded.	**Location Type** is not in Locations table.	W
Work center	The work center is not valid. The Work Center will not be loaded	**Work Center** is not in Work Centers table.	W
Product Option	This product option ID is invalid. Product Option will not be loaded.	**Product Option ID** is not in Product Options table.	W
Product Option	This part/product option combination does not exist in the Product Options table.	**Product Option ID** and **Part** combination does not exist in the Product Options table or Part table	W
	This line already exists.	**Record Type** is **A**, and an MBOM line exists with the same **Assembly Part Key**, **Line Number**, **Configuration**, **Effective Start Date**, and **Effective Ending Date** between the MBOM row and input file record.*	E
	This line's date range overlap's another line's date range having the same line number.	**Record Type** is **A**, and an MBOM line exists with the same **Assembly Part Key**, **Line Number**, and **Configuration**; **Effective Start Date** and **Effective Ending Date** overlap.*	E

Field	Error Message	Error Condition	Error Type
	A part cannot be a component to itself.	**Component Part/Rev** matches **Assembly Part/Rev**.	E
	All component subassemblies must have BOM release status' of Released in order to release the parent assembly's BOM.	**Assembly BOM Status** is **Released**, but component subassembly has a status of **Unreleased** or **Partially Released**.	E
	The quantity must equal zero for a quantity type of As-Required.	**Quantity Type** is **R**, and quantity is not equal to zero.	E
	The effective start date cannot be later than the effective end date.	**Effective Starting Date** is later than or the same as the **Effective Ending Date**.	E
Assembly Part	This assembly part exists as a released component in one or more Manufacturing BOMs.	**Assembly BOM Status** is **Unreleased** or **Partially Released**, but the assembly part exists in another MBOM as a component part where the COMP_REL_FL = **Y**.	E
Assy BOM Status	Manufacturing Bills of Material must be released through the ECN process.	EC_SETTINGS_CORP. ECN_MBOM_REL_FL = **Y** and **Assembly BOM Status** is set to **Released** (previously null, **Partially** released or **Unreleased**).	E
	A Manufacturing Bill of Material already exists with the assembly part as the component of this subassembly. This would create a looping bill of material.	If component is a subassembly (BOM_EXIST_FL = **Y**), and that subassembly has the current assembly as a component, a looping condition exists.	E

Field	Error Message	Error Condition	Error Type
Assembly Part/Rev	Warning: this assembly is a MPS Planning-Only type of part.	Assembly Part/Rev is a MPS **Planning-Only** type of part (PART.S_PART_TYPE = **L** for user's company if ITEM_SETTINGS_CORP.ITEMS_BY_COMP_FL = **Y**).	W

* You must click the arrow next to ![icon] ▼ and select **Import Bills of Material** or **Import and Print Bills of Material** for this validation to take place. This validation does not occur when you click ![icon] or ![icon].

Process Validation - Engineering BOM (BOM Type = E)

Field	Error Message	Error Condition	Error Type
Record Type	This Engineering BOM line cannot be found.	**Record Type** is **C** (Change) or **D** (Delete), and no EBOM line match can be found using the assembly part, component line number, or configuration ID.	E
Assembly BOM Status	Released EBOMs cannot be changed or deleted.	**Record Type** is **C** (Change) or **D** (Delete), the **Allow Released EBOM Lines to be Changed or Deleted** check box is not selected, and the **Assembly Part Release Status** is **R** (Released).	E
Assembly BOM Status	Engineering Bills of Material must be released through the ECN process.	EC_SETTINGS_CORP.ECN_EBOM_REL_FL = **Y**, and **Assembly BOM Status** is set to **R** (Released) (previously null or **Unreleased**).	E

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Field	Error Message	Error Condition	Error Type
Assembly BOM Status	Released Engineering Bills of Material must be modified through the ECN process.	EC_SETTINGS_CORP. ECN_EBOM_REL_FL = **Y**, and **Record Type** is **C** or **D**.	E
Assembly BOM Status	EBOM assemblies must have a BOM status of "R" (Released) or "U" (Unreleased).	**Assembly Part Release Status** is not **R** (Released) or **U** (Unreleased).	E
Assembly BOM Status	Input file records with the same assembly must also have the same Assembly BOM Status value. No input records for this assembly will be processed.	**Assembly Part ID** and **Assembly Part Revision** combination exists on multiple input file records, and they have different **Assembly BOM Status** values	E
Assembly BOM Status	The assembly part has a status of Estimating and is not a Planning Only part. It cannot have a BOM release status of Released.	ASY_REL_CD = **R**, **Assembly Part Status** is **E** (Estimating), **Assembly Part/Rev** is not a **Planning Only** part type (PART. S_PART_TYPE is not **L** for user's company, if ITEM_SETTINGS_CORP. ITEMS_BY_COMP_FL = **Y**)	E
Assembly BOM Status	The assembly part has a status of pre-release.	**Assembly BOM Status** is **R**, and **Assembly Part Status** is **Pre-Release**.	E
Assembly BOM Status	EBOMs cannot be released with this process.	**Record Type** is **A** (Add), the **Allow New MBOM/EBOM Lines to be Released** check box is not selected, and the input file's **Assembly BOM Status** is **R**.	E

Field	Error Message	Error Condition	Error Type
Assembly BOM Status	EBOMs cannot be released with this process.	**Record Type** is **C** (Change), the **Allow New MBOM/EBOM Lines to be Released** check box is not selected, input file's **Assembly BOM Status** is **R**, and assembly part's **Release Status** is **U** (Unreleased).	E
Assembly BOM Status	This assembly has a subassembly with an unreleased EBOM.	Input file's **Assembly BOM Status** is **R**, the **Allow New MBOM/ EBOM Lines to be Released** check box is selected, and one or more existing EBOM lines exist for this assembly with the component part's **Release Status** of **P** (Partially Released) or **U** (Unreleased).	E
Assembly BOM Status	Warning: Unreleased EBOM components will be released, except if component type is 'D'eleted.	Input file's **Assembly BOM Status** is **R**, the **Allow New MBOM/ EBOM Lines to be Released** check box is selected, and one or more existing EBOM lines exist for this assembly with the **Component Release Flag** of **N**.	W
BOM Configuration	This BOM Configuration is not valid.	**BOM Configuration** ID is not in the Configuration ID table	E
BOM Configuration	BOM Configuration IDs are not used. The value will not be loaded	**BOM Configuration** ID is entered, and the **Use Configuration IDs** check box is cleared on the **BOM Corporate Settings** block of the Configure	W

Field	Error Message	Error Condition	Error Type
		Bills of Material Settings screen.	
Component Release Flag	Valid component status codes are Y for released or N for unreleased.	**Component Release Flag** is not **Y** or **N**.	E
Component Release Flag	The part has a status of estimating-only. You must release the part on the part master before it can be released in a BOM.	**Component Release Flag** is **Y**, part **Status** is **Estimating**.	E
Component Release Flag	The part has a status of pre-release. You must release the part on the part master before it can be released in a BOM.	**Component Release Flag** is **Y**, and part **Status** is **Pre-Release**.	E
Component Release Flag	A released assembly cannot have unreleased components.	**Assembly BOM Status** is **R**, **Component Release Flag** is **N**, and COMP_TYPE not = **D**.	E
Component Release Flag	A released EBOM assembly cannot have unreleased components.	**Record Type** is **C** (Change), input file **Assembly BOM Status** is null, **Component Release Flag** is **N**, and Assembly Part's **Release Status** is **R**, and either the COMP_TYPE is not **D** (if in input file) or the ENG_BOM.S_COMP_TYP_CD is not **D** (if not in input file).	E
Component Release Flag	This Component line cannot be released.	**Record Type** is **A** (Add), **Component Release Flag** is **Y**, but the Allow New MBOM/EBOM Lines to be Released check box is not selected.	E

Field	Error Message	Error Condition	Error Type
Component Release Flag	This Component line cannot be released.	**Record Type** is **C**, **MBOM Component Release Flag** is **N**, and input file's **Component Release Flag** is **Y**, but the **Allow New MBOM/ EBOM Lines to be Released** check box is not selected.	E
Component Release Flag	This released component line cannot be changed or deleted.	**Record Type** is **C** or **D**, and the existing EBOM **Component Release Flag** is **Y**, but the **Allow Released MBOM/EBOM Lines to be Changed/ Deleted** check box is not selected.	E
Component Release Flag	A component subassembly cannot have a release flag set to 'Y' when its EBOM status is not released.	Component Part's **BOM Release Status** is **Unreleased** or **Partially Released**, and **Component Release Flag** is **Y**.	E
	This line already exists.	**Record Type** is **A**, and an EBOM line exists with the same **Assembly Part Key**, **Line Number**, **Configuration**, **Effective Start Date**, and **Effective Ending Date** between the EBOM row and input file record.*	E
	This line's date range overlap's another line's date range having the same line number.	**Record Type** is **A**, and an EBOM line exists with the same **Assembly Part Key**, **Line Number**, and **Configuration**; **Effective Start Date** and Effective Ending Date overlap.*	E

Field	Error Message	Error Condition	Error Type
Component	A part cannot be a component to itself.	**Component Part/Rev** matches **Assembly Part/Rev**.	E
Component	All component subassemblies must have BOM release status of Released in order to release the parent assembly's BOM.	**Assembly BOM Status** is **Released**, but component subassembly has a **Status** of **Unreleased**.	E
Component	The quantity must equal zero for a quantity type of As-Required.	**Quantity Type** is **R**, and quantity is not zero.	E
Component	The effective start date cannot be later than the effective end date.	**Effective Starting Date** is later than or the same as the **Effective Ending Date**.	E
Assembly BOM Status	The assembly EBOM Status cannot be Released if there are component lines with provisional parts.	EBOM **Status** is **Released**, and component lines with provisional parts exist.	E
Assembly BOM Status	EBOM Status cannot be Released if assembly is a provisional part.	EBOM **Status** is **Released**, and assembly is a provisional part.	E
Assembly Part	This assembly part exists as a released component in one or more Engineering BOMs.	**Assembly BOM Status** is **Unreleased**, but the assembly part exists in another EBOM as a component part where the COMP_REL_FL = **Y**.	E
New Provisional Part	Provisional Parts should not begin with a space character.	Begins with a space.	E
Component	An Engineering Bill of Material already exists with the assembly part as the component of this subassembly. This	If component is a subassembly (EBOM_EXIST_FL = **Y**), and that subassembly has the	E

Field	Error Message	Error Condition	Error Type
	would create a looping bill of material.	current assembly as a component, a looping condition exists.	
Assembly Part/Rev	Warning: this assembly is a MPS Planning-Only type of part.	Assembly Part/Rev is a MPS **Planning-Only** type of part (PART. S_PART_TYPE = **L** for user's company if ITEM_SETTINGS_CO RP. ITEMS_BY_COMP_F L = **Y**).	W

* You must click the arrow next to ⚙️ ▼ and select **Import Bills of Material** or **Import and Print Bills of Material** for this validation to take place. This validation does not occur when you click 🖨️ or 👁️.

Process Validation - Proposal BOM (BOM Type = P)

Field	Error Message	Error Condition	Error Type
Proposal	Bills of Material for this Proposal have been frozen. This record will not be processed.	Proposal Header's **Freeze PBOM** flag is **Y** (Yes).	E
Component Line	This Proposal BOM line cannot be found.	**Record Type** is **C** (Change) or **D** (Delete), and no PBOM line match can be found using the proposal key, assembly part key, and component line number.	E
Record Type	This update results in no more component lines for the Proposal Bill of Material, and so it will be deleted.	**Record Type** is **D** (Delete), resulting in no more PBOM lines for the PBOM header **Proposal/Assembly** combination.	W
Component line	Proposal bill of material line numbers must be unique.	Two lines have the same line number	E
Component Release Flag	This assembly exists as a firmed component	PBOM **Status** is **Unfirm**, but assembly	E

Field	Error Message	Error Condition	Error Type
	in another PBOM for this proposal. You must either firm this PBOM or change the component firmed flag to N in the other PBOM(s).	exists as a component in another PBOM line for that proposal and component's **Firm Flag** is set to **Y**.	
Component Release Flag	The Proposal bill of material cannot be set to firmed if one of more components are unfirmed.	PBOM **Status** is **Firm**, but one or more component's **Firm Flag** is set to **N**.	E
Assembly BOM Status	PBOM assemblies must have a BOM status of 'U'nfirmed or 'F'irmed.	BOM **Type** is **P**, and **Assembly Release Code** (ASY_REL_CD) is not **U** (Unreleased) or **F** (Firmed).	E
Assembly BOM Status	Input file records with the same assembly must also have the same Assembly BOM Status value.	**Assembly Part ID** and **Assembly Part Revision** combination exists on multiple input file records, and they do not have the same, non-null **Assembly Release Code** (ASY_REL_CD) value.	E
Component Release Flag	Valid component status codes are 'Y' for firmed or 'N' for unfirmed.	Component **Firmed** flag is not **Y** or **N**.	E
Do Not Perform this validation During Trial Run	This line already exists.	**Record Type** is **A** (Add), and a PBOM line exists with the same **Proposal Key**, **Assy Part Key**, and **Line Number** between the PBOM_LN row and input file record.	E
Component	A part cannot be a component to itself.	**Component Part/Rev** matches **Assembly Part/Rev**.	E
Component	The quantity must equal zero for a	**Qty Type** is **R**, and **Qty** is not **0**.	E

Field	Error Message	Error Condition	Error Type
	quantity type of As-Required		
Component	A Proposal Bill of Material already exists for this proposal with the assembly part as the component of this subassembly. This would create a looping bill of material.	If component is a subassembly within the same proposal (if **Component Part Key** is in PBOM_HDR table for selected PROP_KEY), and that subassembly has the current assembly as a component, a looping condition exists.	E
Assembly Part/Rev	Warning: this assembly is a MPS Planning-Only type of part.	**Assembly Part/Rev** is a MPS **Planning-Only** type of part (PART. S_PART_TYPE = **L** for user's company if ITEM_SETTINGS_CO RP. ITEMS_BY_COMP_F L = **Y**).	W

* You must click the arrow next to and select **Import Bills of Material** or **Import and Print Bills of Material** for this validation to take place. This validation does not occur when you click or .

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