ODM Data Collection
- how to provide the data -

The data shall be provided using two different Excel templates that must not be changed in order to allow semi-automated upload by BSH. Therefore the column headlines are protected. Text entries shall be made using Latin letters and must not be formatted (bold, italics, striked through, …).
In case, a specific entry is not possible/available, please leave the field empty and do not use "n.a." or similar.

How to use the:

1. AVL Template (Approved-Vendor-List)

AVL   :   Approved Vendor List of a PCBA

Each Component-Order Code-Manufacturer combination must be inserted in a separate line, thus being able to recognize the quota of each component.

Please fill in the AVL of the project line after line until a new BSH_SAP_Material_Number starts and then fill in for the next project directly below.

Naming convention of the file to be returned to BSH:
ODM_BOM_AVL_**ODM_ID**_**Export_Date**.xls

Please change the following parts of the syntax:
ODM_ID
Export_Date

Example
ODM_ID is: 0815
Export Date is: 15.02.2023
→ Name of entire file becomes: ODM_BOM_AVL_0815_20230215.xls

Explanation of the data input fields of the Excel template:

Column	field name	explanation
A	BSH_ODM_Supplier	(Full) **Name** of the **ODM** Supplier in BSH system
B	BSH_ODM_ID	**ID** (supplier number) of the **ODM Supplier in BSH system**
C	ODM_Export_Date	**Date** when data is **exported** by ODM
D	BSH_SAP_Material_Number	Material **number** of the **purchased good** (PCBA or PCBA incl. SW or PCBA incl. SW and mechanical parts, …) in BSH system. It can consist of more than one PCBA. This number has 10 digits and starts either with 5 or 8 or 9

E	BSH_SAP_Material_Name	Material **name** (designation) of the **purchased good** (PCBA or PCBA incl. SW or PCBA incl. SW and mechanical parts, …) in BSH system
F	BSH_PCBA_SAP Material_Number	Material **number** of the **purchased PCBA** (may have a different number than the purchased good) in BSH system. This number has 10 digits and starts either with 5, 8 or 9. If the BSH_SAP_Material_Number and the BSH_PCBA_Material_Number are identical (possible), please leave the column BSH_PCBA_SAP_Material_Number open
G	BSH_PCBA_SAP Material_Name	Material **name** (designation) of the **PCBA** (has a different name than the purchased good) in BSH system
H	ODM_Material_Number	Material **number** of **delivered good** (PCBA or PCBA incl. SW or PCBA incl. SW and mechanical parts) in ODM system
I	ODM_Material_Name	Material **name** of **delivered good** (PCBA or PCBA incl. SW or PCBA incl. SW and mechanical parts) in ODM system
J	BOM_Pos_Number	**Position number** of component **in approved-vendor-list** (~bill-of-material) of ODM. Follows a 4-digit formatting starting from 0010 and is incremented by 10
K	CADREF	**CAD reference** of component **in approved-vendor-list** (~bill-of-material) of ODM
L	ODM_Component_Number	(Material) **number** of component in approved-vendor-list of ODM
M	ODM_Component_Name	**Name** of component in approved-vendor-list of ODM. Maximum 128 characters
N	BSH_Component_Material_Number	if available: **material number at BSH** of the component
O	Quantity	**Quantity used** of the component in approved-vendor-list of ODM with reference to 1 pc of BSH_SAP_Material_Number. Values like 0.5 PC are not accepted.

P	UoM	**Unit of measure**. The accepted values for UoM are PC, PCS, KG, G, and M
Q	Quota	**Quota** (delivery share) of the specific **order code**
R	Manufacturer_ID	**ID** of the **component manufacturer** in ODM system. In case of supply via distribution and if manufacturer ID is not used in ODM system, please create and use a unique ID. Maximum 10 characters for Manufacturer_ID (no blanks, only capital letters). IDs used in Manufacturer template and in AVL template must match
S	Manufacturer_Name	**Name** of **component manufacturer** in ODM system with maximum 40 characters. Only one manufacturer per line
T	Order_Code	**Order code** (= <u>v</u>endor <u>p</u>art <u>n</u>umber = <u>m</u>anufacturer <u>p</u>art <u>n</u>umber) of **component**. Only one **order code** per line
U	Order_Code_Release_Status	**Release status** of **order code** in ODM system. Please provide **meaning of different release status** used **in** a **separate notice**.
V	Validity_From	if **component validity** is limited: **from** when this component is being used
W	Validity_To	if **component validity** is limited: **until** when this component is being used
X	Distributor_ID	**ID** of the **distributor** in ODM system. If no distributor is used for that component (but direct supply from manufacturer), please leave the cell empty.
Y	Distributor_Name	**Name** of the **distributor** in ODM system. If no distributor is used for that component (but direct supply from manufacturer), please leave the cell empty.

Example 1/3

	A	B	C	D	E	F	G	H	I
1	BSH_ODM_Supplier	BSH_ODM_ID		BSH_SAP_Material_Number	BSH_SAP_Material_Name	BSH_PCBA_SAP Material_Number	BSH_PCBA_SAP Material_Name	ODM_Material_Number	ODM_Material_Name
2	Electronics Corp.	45021		8000158789	CP820	8000158789	CP820	789254	BSH_CP820
3	Electronics Corp.	45021		8000158789	CP820	8000158789	CP820	789254	BSH_CP820
4	Electronics Corp.	45021		8000158789	CP820	8000158789	CP820	789254	BSH_CP820
5	Electronics Corp.	45021		8000158789	CP820	8000158789	CP820	789254	BSH_CP820
6	...		...		...		...	...	
7	Electronics Corp.	45021		8000303140	UIM_EA500	8000303140	EA500	785489	BSH_EA500
8	Electronics Corp.	45021		8000303140	UIM_EA500	8000303140	EA500	785489	BSH_EA500
9									

Example 2/3

	I	J	K	L	M	N	O	P	Q	R	S
	ODM_Material_Name	BOM_Pos_Number	CADREF	ODM_Component_Number	ODM_Component_Name	BSH_Component_Material_Number	Quantity	UoM	Quota	Manufacturer_ID	Manufacturer_Name
4	BSH_CP820	10	R100, R102, R103, R110, R111, R150		78125 resistor, 150 ohm, 5%		6	pcs	50	M2511	Vishay
4	BSH_CP820	10	R100, R102, R103, R110, R111, R150		78125 resistor, 150 ohm, 5%		6	pcs	50	M8012	Walsin
4	BSH_CP820	10	R100, R102, R103, R110, R111, R150		78125 resistor, 150 ohm, 5%		6	pcs	0	M8915	Ralec
4	BSH_CP820	20	C20		89524 capacitor, 1uF, 5%, 25V	5560456215	1	pcs	100	M7591	Rubycon
	...	...	...	...	...	...	...	...	...	...	...
9	BSH_EA500	10	T5, T7		57894 transistor small signal		2		50	M5482	Toshiba
9	BSH_EA500	10	T5, T7		57894 transistor small signal		2		50	M1678	Leshan Radio

Example 3/3

R	S	T	U	V	W	X	Y
facturer_ID	Manufacturer_Name	Order_Code	Order_Code_Release_Status	Validity_From	Validity_To	Distributor_ID	Distributor_Name
1	Vishay		released			D7952	Avnet
2	Walsin		released				
5	Ralec		restricted				
1	Rubycon		released				
...	...	...	...	...	...	...	...
2	Toshiba	2N485	released			D7865	WPI
8	Leshan Radio	BC852	released				

2. Manufacturer/Distributor Template

Manufacturer	:	Producer of components
Distributor	:	Distributor of components

All manufacturers and distributors mentioned in the AVL template must be listed in the manufacturer/distributor template.

Naming convention of the file to be returned to BSH:
Manufacturer_**ODM_ID**_**Export_Date**.xls

Please change the following parts of the syntax:
ODM_ID
Export_Date

Example
ODM_ID is: 0815
Export Date is: 15.02.2023
→ Name of entire file becomes: Manufacturer_0815_20230215.xls

Explanation of the data input fields of the excel template:

column	field name	explanation
A	BSH_ODM_Supplier	(Full) **Name** of the **ODM** Supplier

B	BSH_ODM_ID	**ID** (supplier number) of the **ODM Supplier in BSH**
C	ODM_Export_Date	**Date** when data is **exported** by ODM
D	BSH_Manufacturer_ID	not to be filled-in by ODM
E	ODM_Manufacturer_Distributor_ID	**ID** of the **component manufacturer** in ODM system. In case of supply via distribution and if manufacturer ID is not used in ODM system, please create and use a unique ID. Maximum 10 characters for Manufacturer_ID (no blanks, only capital letters). IDs used in Manufacturer/Distributor template and in AVL template must match
F	ODM_Manufacturer_Distributor_Name	(Full) **name** of manufacturer/distributor, maximum 40 characters. No duplicate values
G	Country	**Country** where manufacturer/distributor is registered. Pls use 2-digit Country Code according to ISO 3166
H	District	**District** where manufacturer/distributor is registered
I	City	**City** where manufacturer/distributor is registered
J	PO_Box	**PO box** of manufacturer/distributor
K	ZIP_Code	**ZIP code** of manufacturer/distributor address
L	Street_And_House_Number	**Street** and **number** where manufacturer/distributor is registered
M	TAX_No	**Tax number** of the manufacturer/distributor
N	VAT_No_EU	**VAT no**, in case the manufacturer/distributor is registered in **European Union**
O	DUNS_No	Number in **DUNS** (Data Universal Numbering System) of manufacturer/distributor

Columns G through L are grouped as **address**.

TAX_No or VAT_No_EU or DUNS_No serve as identification of the manufacturer/distributor.

3. **Additional Notes to Consider**

1. If values in column **BSH_PCBA_SAP Material_Number** matches with **BSH_SAP_Material_Number**, **BSH_PCBA_SAP Material_Number (Column F)** is not required.
2. Please provide your own position numbers or for dummy **BOM_Pos_Number** please follow a 4-digit formatting starting from 0010 and incremented by 10, going up sequentially (e.g. "0010", "0020"). The same number used as a reference for alternative components.
3. The **Manufacturer_ID** and **Manufacturer_Name** cannot be empty. They must also match the IDs in the Manufacturer/Distributor Template.
4. The **ODM_Component_Name** column should not exceed 128 characters.
5. Unique values for **Manufacturer_ID** and **Distributor_ID** required. Wrong use of IDs are, the same ID for two more different companies and also different use of ID for the same company.
6. Manufacturers in the AVL must be present in the **Manufacturer/Distributor Template**. Please ensure that all manufacturers are included in the Manufacturer list, as sometimes some manufacturers may be missed and not included.
7. Please avoid leaving any fields blank for **Order_Code** and **Order_Code_Release_Status**. Additionally, do not use values like 0 or "Not Provided"
8. The accepted values for the **unit of measure (UoM)** are PC, PCS, KG, G, and M. If PC or PCS is used, the quantity must be an integer value. Values like 0.5 PC are not accepted.
9. Please ensure that the **CADREF** and **BOM_Pos_Number** are placed in their respective columns correctly. Do not interchange them.
10. The columns **Distributor_ID** or **Distributor_Name** should not contain "NA", "Not Provided", or "Not Sourced" values. If the information is not available, please leave the field empty.
11. Only use Latin alphabet characters. If there are any non-Latin characters, such as Chinese characters, please remove or change them to Latin characters before sending.

1. Please use the 2-digit Country Code according to ISO 3166 in column **Country**, such as "DE" for Germany, instead of country names.
2. Unique values for **Manufacturer_ID** and **Distributor_ID** required. Wrong use of IDs are, the same ID for two more different companies and also different use of ID for the same company.
3. Please avoid having duplicate companies in the Manufacturer List
4. The Manufacturer List should not contain "NA" or "Not Provided" values. If the information is not available, leave the field empty except **ODM_Manufacturer_Distributor_ID** and **ODM_Manufacturer_Distributor_Name**.
5. Only use Latin alphabet characters. If there are any non-Latin characters, such as Chinese characters, please remove or change them to Latin characters before sending.

The order code must be entered COMPLETELY. If there are several options available due to different packaging (e.g. reel size and type, or tray/box), the order code for the **largest** (plastic) reel/tube shall be used.

4. Change Notification Requirements for ODM Suppliers

Column name	ODM update immediately required
BSH_PCBA_SAP Material_Number	Change in functionality
BSH_PCBA_SAP Material_Name	Change in functionality
ODM_Component_Number	Change in functionality
ODM_Component_Name	Change in functionality
Quantity	Changes with component
UoM	Changes with component
Manufacturer_ID	LoA changes
Manufacturer_Name	LoA changes
Order_Code	LoA changes
Order_Code_Release_Status	LoA changes