

# BoM 8.7.0 - 9.0.x

24/10/2025 2:18 pm BST

Recipe BoM  
Tags: API API

## Versions

Versions this documentation is relevant for:

- 8.7.0 - 9.0.x: This document
- 9.1.0+

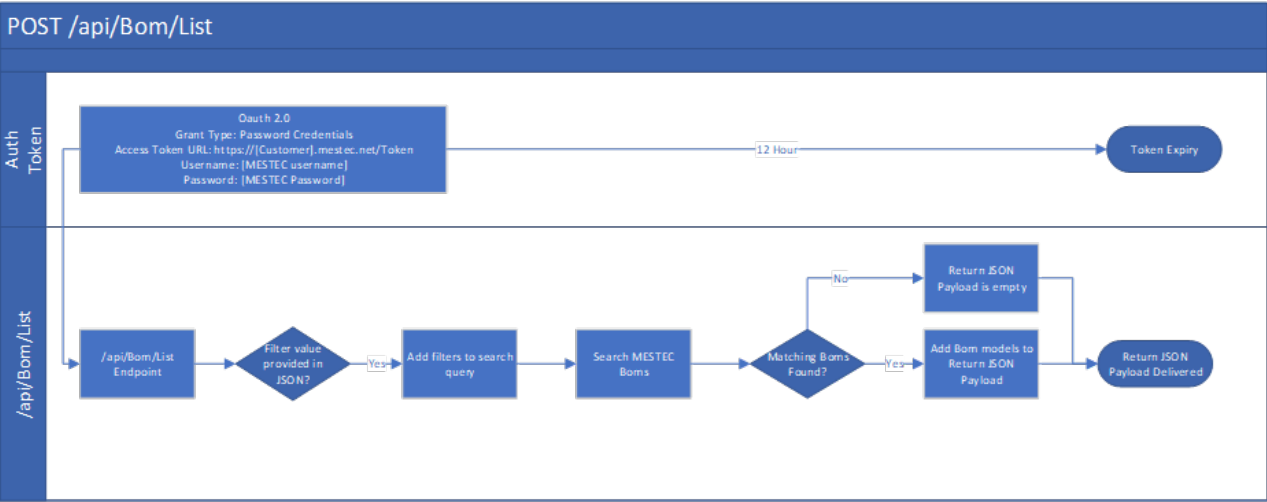
BoM is the header table in Eyelit MES-M for BoM Versions. It is used to link the BoM Versions to a product and a BoM Type.

## List

The Bom – List API call reads existing BoMs from Eyelit MES-M. The data can be filtered based on the parameters passed in the body/payload of the JSON packet giving the flexibility to search for one or multiple BoMs.

Using the Bom – List API call has no impact on the data within the given Eyelit MES-M application, it is read-only.

Figure 1 - Logic within Bom/List API Call



## Data Prerequisites

There is no data required in Eyelit MES-M to act as a pre-requisite to make the API call to list BoMs. If parameters are passed in through the body that return no valid results, an empty payload will be returned.

## Request

Table 1 shows the method and endpoint required to make the API call to list Scheduled Jobs.

Table 1 - Outbound Message Detail for BoM - List

Method	URL Structure	Endpoint
POST	https://[environment].mestec.net	/api/Bom/List

The body of the payload should follow the format below.

#### JSON Structure for BoM List

```
{
  "id": 0,
  "product": "string",
  "bomType": "string",
  "name": "string",
  "suid": "string"
}
```

See Table 2 for information on which fields are optional, the appropriate data types and the mappings to fields in Eyelit MES-M.

Table 2 - Parameter Information for Schedule - List

Parameter Name	Data Mapping	Data Type	Mandatory	Case Sensitive	Match Type
Id	Bom.id	NUMBER(10,0)	No	N/A	Exact
product	Product.name	VARCHAR2(50 BYTE)	No	No	Exact
bomType	Bomtype.name	VARCHAR2(50 BYTE)	No	No	Exact
name	Bom.name	VARCHAR2(100 BYTE)	No	No	Exact
suid	Bom.suid	VARCHAR2(120 BYTE)	No	No	Exact

Note: For any fields where the match type is 'Like', a percent symbol should be used as a wildcard character to indicate a number of characters within the given string. See examples in Section 4.1.3.1 for use cases.

## Sample Request

See below for sample use cases with examples of the JSON payload format required.

To list BoMs where the name equals 'ABC':

#### JSON Sample for BoM List Request B

```
{
  "name": "ABC"
}
```

## Response

When using the Bom – List API call, if any data has been found in Eyelit MES-M that meets the parameter values passed in the original payload, a JSON payload will be returned containing data in the following structure:

#### JSON Structure for BoM List

```
[
  {
    "id": 0,
    "product": "string",
    "bomType": "string",
    "name": "string",
    "suid": "string"
  }
]
```

## Sample Response

See below for sample use cases with examples of the JSON payload format returned.

No results were found that matched given parameters:

*JSON Sample for BoM List Response A*

```
{
}
```

BoMs found that matched given parameters:

*JSON Sample for BoM List Response B*

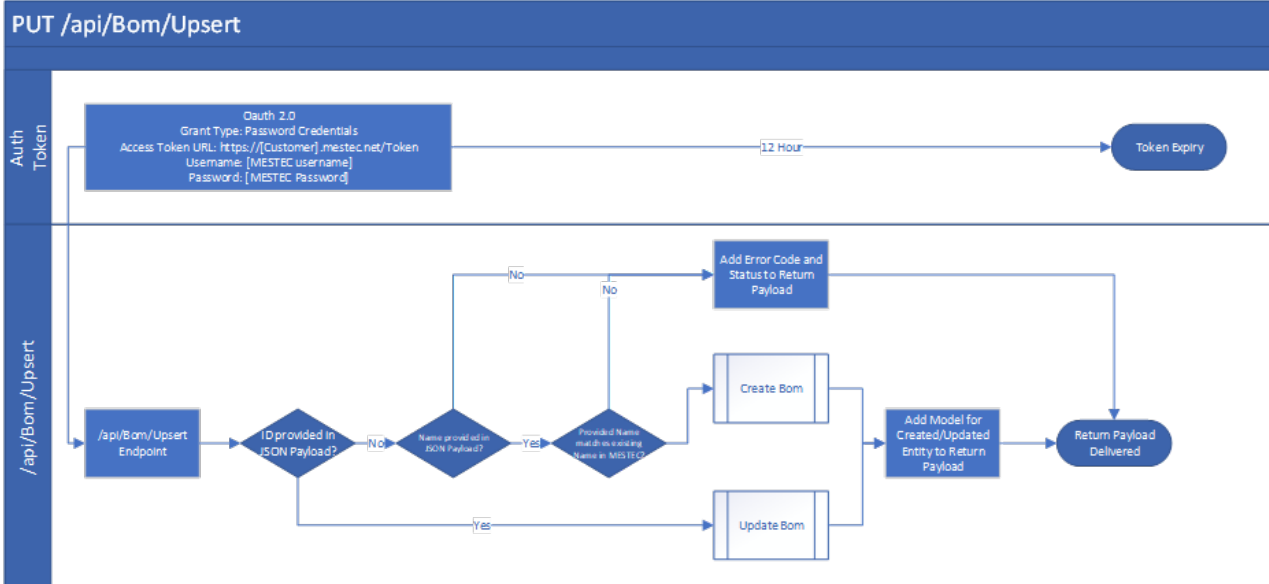
```
[
  {
    "id": 10,
    "product": "Product A",
    "bomType": "Bom Type 1",
    "name": "Bom ABC",
    "suid": "Bom1"
  }
]
```

## Upsert

When BoM ID is provided, The Bom – Upsert API call checks if a BoM with the given ID already exists. If it does, appropriate fields are updated in the matching BoM in Eyelit MES-M.

When the BoM ID is omitted, a new BoM will be created.

*Figure 2 - Logic within Bom/Upsert API Call*



## Data Prerequisites

A BoM references a product, and a BoM Type, these must all exist in Eyelit MES-M prior to BoM upsert.

## Request

Table 3 shows the method and endpoint required to make the API call to Upsert BoM.

Table 3 - Outbound Message Detail for BoM - Upsert

Method	URL Structure	Endpoint
PUT	https://[environment].mestec.net	/api/Bom/Upsert

The body of the payload should follow the format below.

```

{
  "id": 0,
  "product": "string",
  "bomType": "string",
  "name": "string",
  "suid": "string"
}

```

See Table 4 for information on which fields are optional, the appropriate data types and the mappings to fields in Eyelit MES-M.

Table 4 - Parameter Information for BoM - Upsert

Parameter Name	Data Mapping	Data Type	Mandatory		Case Sensitive	Match Type
			Create	Update		
id	Bom.id	NUMBER(10,0)	N/A	Yes	N/A	Exact
product	Product.name	VARCHAR2(50 BYTE)	Yes	No	No	Exact

bomType	Bomtype.name	VARCHAR2(50 BYTE)	Yes	No	No	Exact
name	Bom.name	VARCHAR2(100 BYTE)	Yes	No	N/A	N/A
suid	Bom.suid	VARCHAR2(120 BYTE)	No	No	N/A	N/A

Note: For any fields where the match type is 'Like', a percent symbol should be used as a wildcard character to indicate a number of characters within the given string.

## Sample Request

See below for sample use cases with examples of the JSON payload format required.

To create a BoM.

```
{
  "product": "Product A",
  "bomType": "Bom Type 1",
  "name": "Bom 1",
  "suid": "Bom1"
}
```

To update name by ID.

```
{
  "id": 10,
  "name": "Bom ABC"
}
```

## Response

When using the Bom – Upsert API call, if a BoM has been Created or Updated a JSON payload will be returned containing data in the following structure:

```
{
  "id": 0,
  "product": "string",
  "bomType": "string",
  "name": "string",
  "suid": "string"
}
```

## Sample Response

See below for sample use cases with examples of the JSON payload format returned.

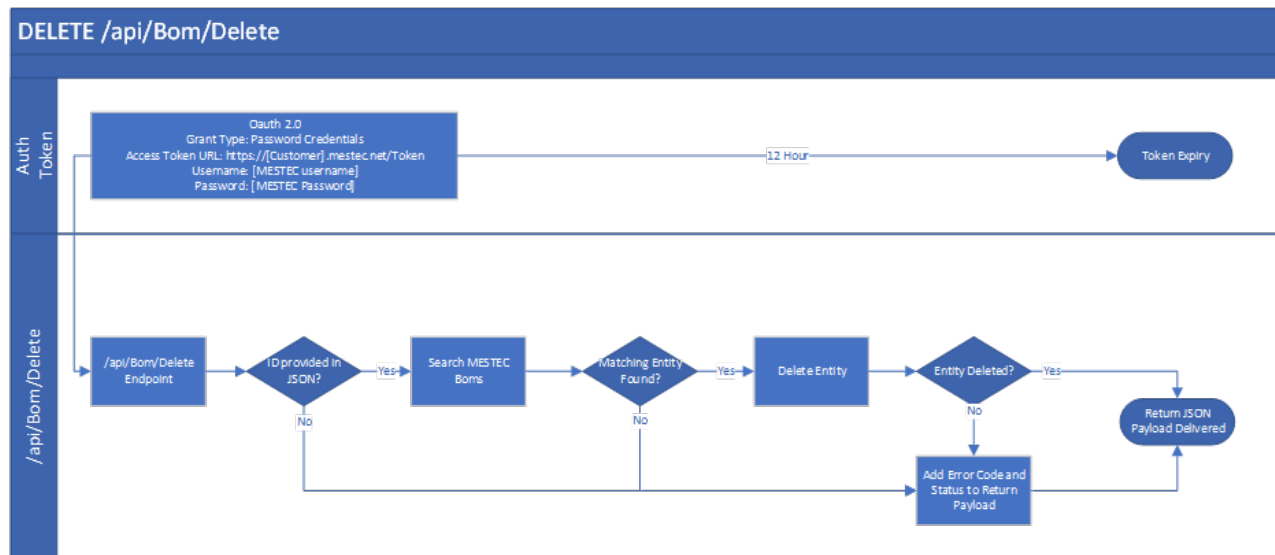
```
{
  "id":10,
  "product": "Product A",
  "bomType": "Bom Type 1",
  "name": "Bom ABC",
  "suid": "Bom1"
}
```

# Delete

The Bom – Delete API call attempts to delete a BoM. A BoM can be deleted as long as it has not been used.

Figure 3 shows the logic used within the Bom – Delete API call.

Figure 3 - Logic within Bom/Delete API Call



## Data Prerequisites

In order to delete a BoM it must exist in Eyelit MES-M and not currently be in use.

## Request

Table 5 shows the method and endpoint required to make the API call to delete a BoM.

Table 5 - Outbound Message Detail for BoM - Delete

Method	URL Structure	Endpoint
DELETE	<a href="https://[environment].mestec.net">https://[environment].mestec.net</a>	/api/Bom/Delete

The body of the payload should follow the format below.

```
{  
  "id": 0  
}
```

See Table 6 for information on which fields are optional, the appropriate data types and the mappings to fields in Eyelit MES-M.

Table 6 - Parameter Information for BoM - Delete

Parameter Name	Data Mapping	Data Type	Mandatory	Case Sensitive	Match Type
ID	Bom.ID	Number	Yes	N/A	Exact

Note: For any fields where the match type is 'Like', a percent symbol should be used as a wildcard character to indicate a number of characters within the given string.

## Sample Request

See below for sample use cases with examples of the JSON payload format required.

Delete by ID

```
{  
  "id": 28  
}
```

## Response

When using the Bom – Delete API call, if a BoM has been Deleted a 200 status response will be returned.

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