

BoM Type

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Tags: [bom type api](#)

Versions

Versions this documentation is relevant for:

- 8.7.0+

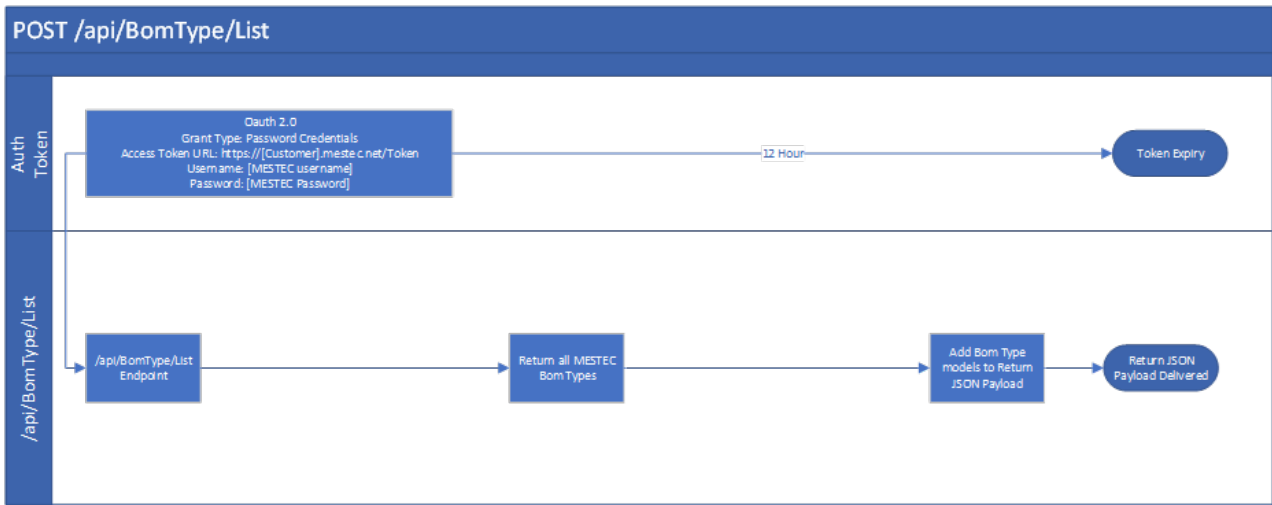
A BoM type is used to specify level of control required for a BoM. It is also used to specify that a BoM is job specific or not.

List

The BoM – List API call reads existing BoM Types 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 BoM Types.

Using the BoM Type – 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 Type/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 BoM Types. 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 Type - List

Method	URL Structure	Endpoint
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POST	https://[environment].mestec.net /api/BomType/List
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The body of the payload should follow the format below.

```
{
}
```

Note that this transaction does not currently support any parameters.

Sample Request

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

To list all BoM Types:

```
{
}
```

Response

When using the BoM Type – List API call, a JSON payload will be returned containing data in the following structure:

JSON Structure for BoM Type List

```
[
  {
    "id": 0,
    "name": "string",
    "description": "string",
    "isJobSpecific": true,
    "isControlled": true,
    "requireApprovalSignature": true,
    "approvalPermission": "string"
  }
]
```

Sample Response

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

JSON Sample for BoM Type List Response A

```
[
  {
    "id": 10,
    "name": "Bom Type 1",
    "description": "ERP Bom Type",
    "isJobSpecific": false,
    "isControlled": true,
    "requireApprovalSignature": true,
    "approvalPermission": "Approved"
  }
]
```

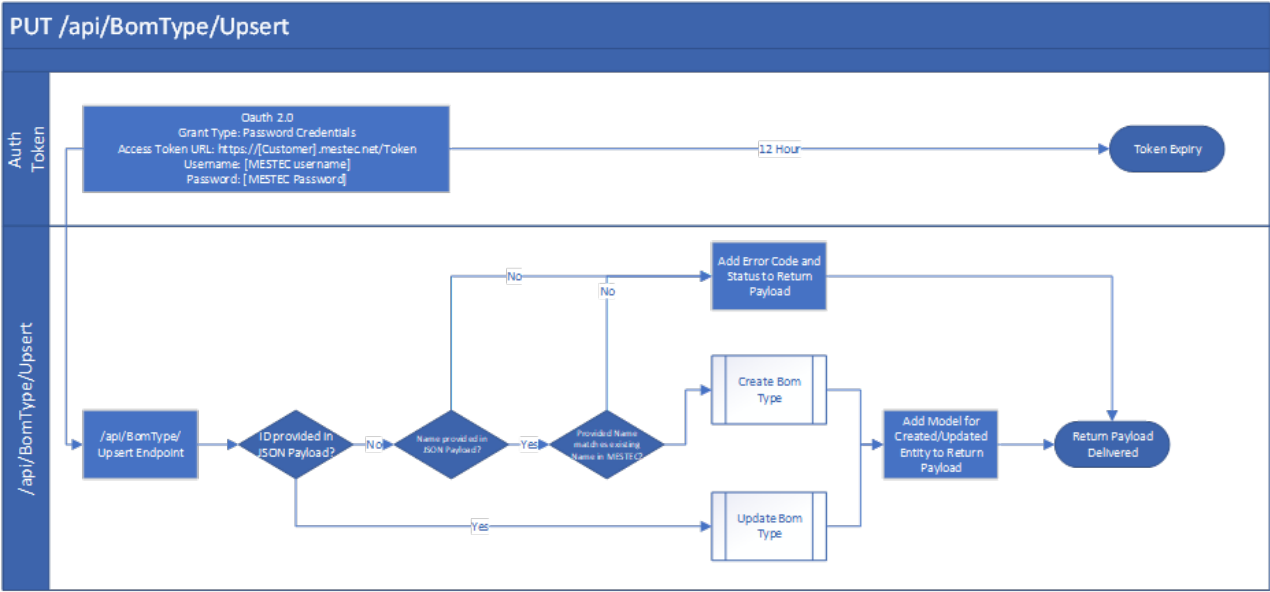
Upsert

When BoM Type ID is provided, The BoM Type – Upsert API call checks if a BoM Type with the given ID already exists. If it

does, appropriate fields are updated in the matching BoM Type in Eyelit MES-M.

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

Figure 2 - Logic within BoM Type/Upsert API Call



Data Prerequisites

No prerequisites for this transaction.

Request

Table 2 shows the method and endpoint required to make the API call to Upsert BoM Type.

Table 2 - Outbound Message Detail for BoM Type - Upsert

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

The body of the payload should follow the format below.

```
{
  "id": 0,
  "name": "string",
  "description": "string",
  "isJobSpecific": true,
  "isControlled": true,
  "requireApprovalSignature": true,
  "approvalPermission": "string"
}
```

See Table 3 for information on which fields are optional, the appropriate data types and the mappings to fields in Eyelit MES-M.

Table 3 - Parameter Information for BoM Type - Upsert

Parameter Name	Data Mapping	Data Type	Mandatory		Case Sensitive	Match Type
			Create	Update		
Id	Bomtype.id	NUMBER(10,0)	N/A	Yes	N/A	Exact
Name	Bomtype.name	VARCHAR2(50 BYTE)	Yes	No	N/A	N/A
Description	Bomtype.description	VARCHAR2(250 BYTE)	No	No	N/A	N/A
isJobSpecific	Bomtype.isjobspecific	BOOL	Yes	No	N/A	N/A
isControlled	Bomtype.iscontrolled	BOOL	Yes	No	N/A	N/A
requireApprovalSignature	Bomtype.requireapprovalssignature	BOOL	Yes	No	N/A	N/A
approvalPermission	Permission.permissionname	VARCHAR2(100 BYTE)	Yes	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.

Sample Request

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

To create a BoM Type.

```
{
  "name": "Bom Type 1",
  "description": "ERP Bom Type",
  "isJobSpecific": false,
  "isControlled": true,
  "requireApprovalSignature": true,
  "approvalPermission": "Bom Approval"
}
```

To update description by ID.

```
{
  "id": 10,
  "description": "Updated through API Call"
}
```

Response

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

```

{
  "id": 0,
  "name": "string",
  "description": "string",
  "isJobSpecific": true,
  "isControlled": true,
  "requireApprovalSignature": true,
  "approvalPermission": "string"
}

```

Sample Response

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

```

{
  "id": 10,
  "name": "Bom Type 1",
  "description": "Updated through API Call",
  "isJobSpecific": false,
  "isControlled": true,
  "requireApprovalSignature": true,
  "approvalPermission": "Bom Approval"
}

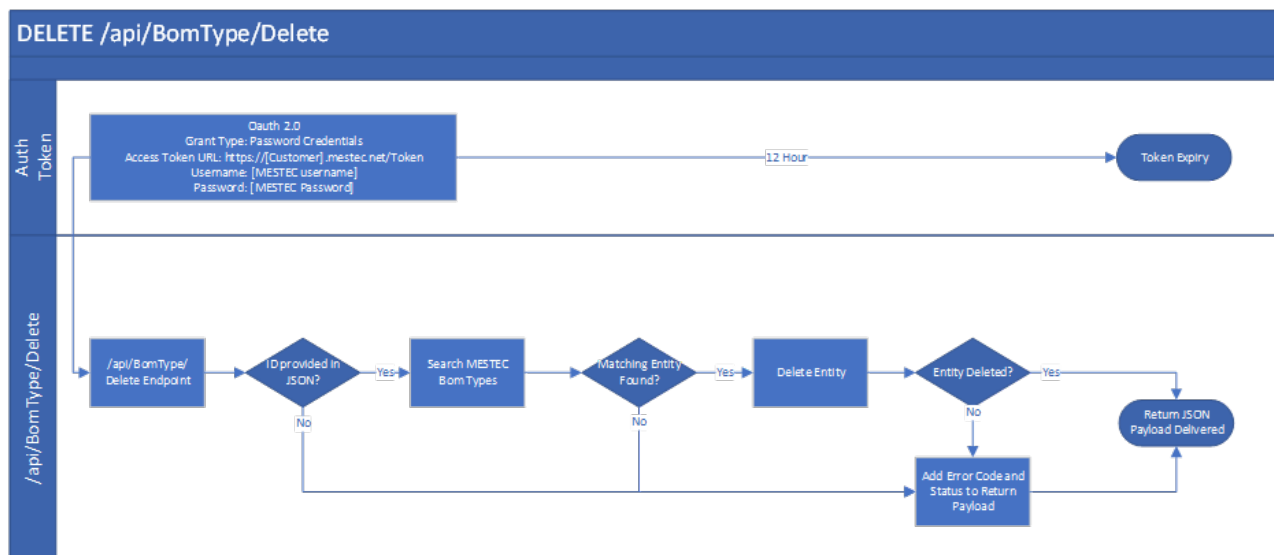
```

Delete

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

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

Figure 3 - Logic within BoM Type/Delete API Call



Data Prerequisites

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

Request

Table 4 shows the method and endpoint required to make the API call to delete a BoM Type.

Table 4 - Outbound Message Detail for Schedule - Delete

Method	URL Structure	Endpoint
DELETE	https://[environment].mestec.net	/api/Bom Type/Delete

The body of the payload should follow the format below.

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

See Table 5 for information on which fields are optional, the appropriate data types and the mappings to fields in Eyelit MES-M.

Table 5 - Parameter Information for BoM Type - Delete

Parameter Name	Data Mapping	Data Type	Mandatory	Case Sensitive	Match Type
ID	BomType.id	NUMBER	No	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. See examples in Section 3.1.3.1 for use cases.

Sample Request

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

Delete by ID

```
{  
  "id": 10  
}
```

Response

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