

## Shared Parameters List

**SCHEDULE**

- \* ALL \*
- Classification
- Commissioning
- Completion and Handover

**GROUP**

- \* ALL \*
- 01 - Identity
- 03 - BIM Classification
- 04 - Sustainability Properties

**DATA TYPE**

- \* ALL \*
- Angle
- Electrical Potential
- Electrical\_Apparent Power

**Apply Filters**

**Clear Filters**

**Download CSV**

**Download TXT File**

SEARCH PARAMETER BY NAME

NAME	UNITS	SCHEDULE	VERSION	GROUP	DATA TYPE	PARAMETER TYPE
<a href="#">AccessClearanceBack</a>	mm	Product Data	V04	10 - Length	Length	Instance
<a href="#">AccessClearanceBottom</a>	mm	Product Data	V04	10 - Length	Length	Instance
<a href="#">AccessClearanceFront</a>	mm	Product Data	V04	10 - Length	Length	Instance

BIM-MEP<sup>AUS</sup>  
Shared Parameter Website  
User Guide

## Shared Parameters List

Shared Parameter filtering:

- Search by name

**SCHEDULE**

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**SEARCH PARAMETER BY NAME**

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<a href="#">AccessClearanceBack</a>	mm	Product Data	V04	10 - Length	Length	Instance
<a href="#">AccessClearanceBottom</a>	mm	Product Data	V04	10 - Length	Length	Instance
<a href="#">AccessClearanceFront</a>	mm	Product Data	V04	10 - Length	Length	Instance

Hold 'Control' or 'CTRL' button on your keyboard to select multiple



Shared Parameter filtering:

- Schedules:
  - Identity
  - Classification
  - Performance / Quality
  - Product Data
  - Commissioning
  - Completion



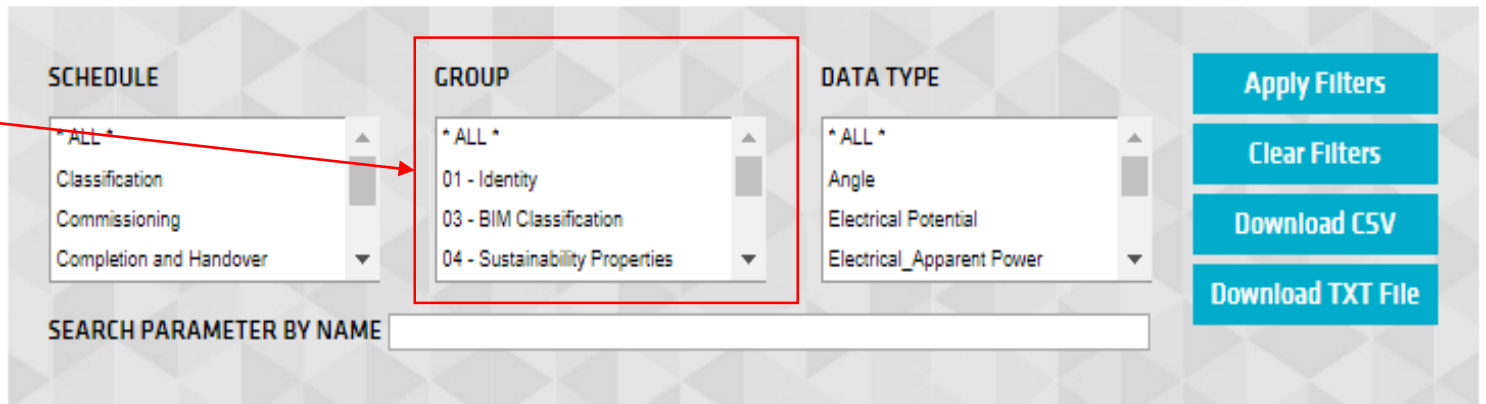
### Shared Parameters List

The screenshot shows a web interface for managing shared parameters. It features three main filter dropdown menus: 'SCHEDULE', 'GROUP', and 'DATA TYPE'. The 'SCHEDULE' dropdown is highlighted with a red box and a red arrow from the text on the left. Below the filters is a search bar labeled 'SEARCH PARAMETER BY NAME'. To the right of the filters are four buttons: 'Apply Filters', 'Clear Filters', 'Download CSV', and 'Download TXT File'.

The shared parameter schema has been developed to support efficient data management through the project delivery as well as the asset's life cycle. All BIM-MEP<sup>AUS</sup> content has the same shared parameter schedule structure. The shared parameters are intended to be progressively completed as the MEP services model progresses through design development and virtual build to final commissioned status within the As-Built model.

NAME	UNITS	SCHEDULE	VERSION	GROUP	DATA TYPE	PARAMETER TYPE
<a href="#">AccessClearanceBack</a>	mm	Product Data	V04	10 - Length	Length	Instance
<a href="#">AccessClearanceBottom</a>	mm	Product Data	V04	10 - Length	Length	Instance
<a href="#">AccessClearanceFront</a>	mm	Product Data	V04	10 - Length	Length	Instance

## Shared Parameters List



### Shared Parameter filtering:

- Group:
  - 1 – Identity
  - 2 – IFC
  - 3 – BIM Classification
  - 4 – Sustainability Properties
  - 5 – Completion
  - 6 – Asset Management
  - etc

BIM-MEP<sup>AUS</sup> uses its own shared parameter groups to organise and enable users to search for similar types of shared parameters within the text file.

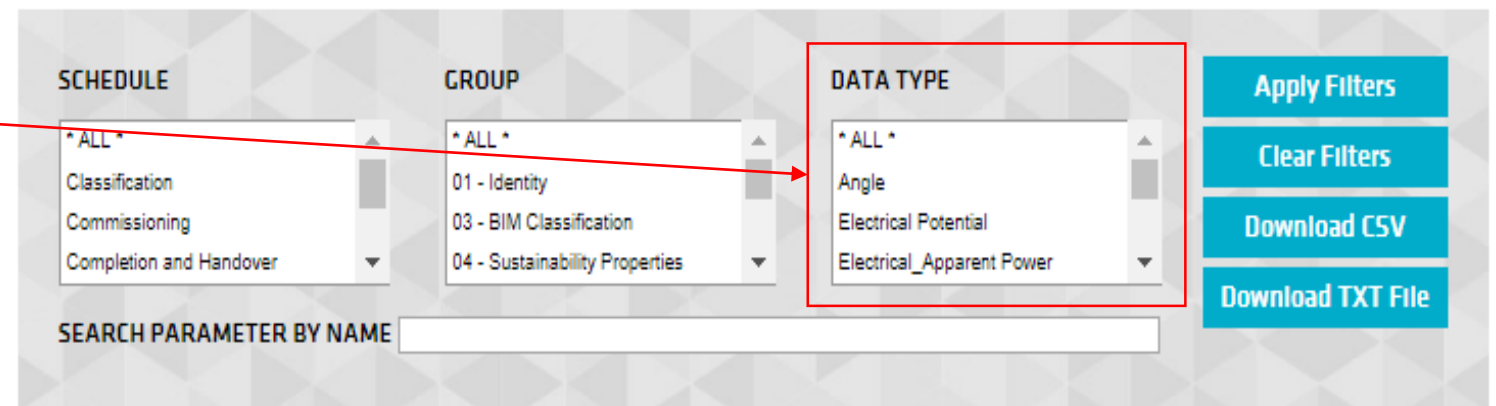
These groupings are generally discipline based and aligned with the specification schedules and product data templates. Each Group is assigned an ID number and appears as a prefix and at the top of the shared parameter text file. Spare placeholders are provided within the numbering structure to provide flexibility to logically add Groups as needed. Refer to [Annexure 2 within the BIM-MEP<sup>AUS</sup> Shared Parameter Guidelines](#) for the full list of Shared Parameter Groups.

NAME	UNITS	SCHEDULE	VERSION	GROUP	DATA TYPE	PARAMETER TYPE
<a href="#">AccessClearanceBack</a>	mm	Product Data	V04	10 - Length	Length	Instance
<a href="#">AccessClearanceBottom</a>	mm	Product Data	V04	10 - Length	Length	Instance
<a href="#">AccessClearanceFront</a>	mm	Product Data	V04	10 - Length	Length	Instance

### Shared Parameter filtering:

- Data Type (examples include):
  - ANGLE
  - AREA
  - ELECTRICAL\_CURRENT
  - ELECTRICAL\_POWER
  - HVAC\_AIR\_FLOW
  - HVAC\_PRESSURE
  - PIPING\_FLOW
  - TEXT

## Shared Parameters List



The Data Types values are a combination of the Revit options for 'Discipline' and 'Type of Parameter'. Refer to [Annexure 3 within the BIM-MEP AUS Shared Parameter Guidelines](#) for a full list of the associated metric unit of measure used by BIM-MEP AUS. Note: When 'Type of Parameter' options (ANGLE, AREA, TEXT, etc) are selected from the 'Common' discipline, only the 'Type of Parameter' appears as the Data Type value. i.e. 'Common' is kept hidden in contrast to other disciplines (HVAC, Electrical, Piping, etc).

NAME	UNITS	SCHEDULE	VERSION	GROUP	DATA TYPE	PARAMETER TYPE
<a href="#">AccessClearanceBack</a>	mm	Product Data	V04	10 - Length	Length	Instance
<a href="#">AccessClearanceBottom</a>	mm	Product Data	V04	10 - Length	Length	Instance
<a href="#">AccessClearanceFront</a>	mm	Product Data	V04	10 - Length	Length	Instance



## Shared Parameters List

Hold the 'Control' or 'CTRL' button on your keyboard for multiple selections in any of the three filter options.

- Apply Filters
- Clear Filters
- Download CSV
- Download TXT File

Name	Units	Schedule	Group	Data Type	Parameter Type
<u>AreaServed</u>	Text	Identity	1 - Identity	TEXT	Instance
<u>AssetID</u>	Text	Identity	1 - Identity	TEXT	Instance
<u>Barcode</u>	Text	Identity	1 - Identity	TEXT	Instance
<u>Client</u>	Text	Completion	5 - Completion	TEXT	Instance
<u>ComponentID</u>	Text	Identity	1 - Identity	TEXT	Instance
<u>ComponentStatus</u>	Text	Identity	1 - Identity	TEXT	Instance



The 'Download CSV' button applies filters before providing a csv file of parameters and associated attributes, including:

- Parameter Name
- Description
- Units
- Schedule
- Group
- Data Type
- Parameter Type
- Standard Values
- Group Parameter Under
- IFC
- COBie

## Shared Parameters List

The screenshot shows the 'Shared Parameters List' interface. It features three filter dropdowns: 'Schedule' (with options: \* ALL \*, Completion, Identity), 'Group' (with options: \* ALL \*, 1 - Identity, 5 - Completion), and 'Data Type' (with options: \* ALL \*, NUMBER, TEXT, URL). To the right of these filters are four action buttons: 'Apply Filters', 'Clear Filters', 'Download CSV' (highlighted with a red box and a red arrow from the text box), and 'Download TXT File'.

Name	Units	Schedule	Group	Data Type	Parameter Type
<a href="#">AreaServed</a>	Text	Identity	1 - Identity	TEXT	Instance
<a href="#">AssetID</a>	Text	Identity	1 - Identity	TEXT	Instance
<a href="#">Barcode</a>	Text	Identity	1 - Identity	TEXT	Instance
<a href="#">Client</a>	Text	Completion	5 - Completion	TEXT	Instance
<a href="#">ComponentID</a>	Text	Identity	1 - Identity	TEXT	Instance
<a href="#">ComponentStatus</a>	Text	Identity	1 - Identity	TEXT	Instance

## Shared Parameters List

**Schedule**

\* ALL \*

Completion

Identity

**Group**

\* ALL \*

1 - Identity

5 - Completion

**Data Type**

\* ALL \*

NUMBER

TEXT

URL

Apply Filters

Clear Filters

Download CSV

Download TXT File

The 'Download TXT File' button allows BIM-MEP<sup>AUS</sup> subscribers to download the full BIM-MEP<sup>AUS</sup> shared parameter text file for Revit users.

Name	Units	Schedule	Group	Data Type	Parameter Type
<a href="#">AreaServed</a>	Text	Identity	1 - Identity	TEXT	Instance
<a href="#">AssetID</a>	Text	Identity	1 - Identity	TEXT	Instance
<a href="#">Barcode</a>	Text	Identity	1 - Identity	TEXT	Instance
<a href="#">Client</a>	Text	Completion	5 - Completion	TEXT	Instance
<a href="#">ComponentID</a>	Text	Identity	1 - Identity	TEXT	Instance
<a href="#">ComponentStatus</a>	Text	Identity	1 - Identity	TEXT	Instance





The shared parameter 'Attributes' page includes the following:

- Parameter Name
- Description
- Date added to website
- Unit of measure
- Schedule
- Group (Text file)
- Data Type
- Parameter Type (System, Type or Instance)
- Standard Values (where applicable)
- Group Parameter Under

ComponentStatus

Used for quality assurance to confirm the status within the component model

### Shared Parameter Attributes

Date Added	29/3/2019
Units	Text
Schedule	Identity
Group	1 - Identity
Data Type	TEXT
Parameter Type	Instance
Standard Values	DD : CKD: IFP : MCM : CAB
Group Parameter Under	Identity Data

The shared parameter attribute page provides additional information associated with each parameter. The 'Parameter Type' confirms if the parameter is a System, Type or Instance. The 'Standard Values' are industry defined value sets associated with some parameters. The 'Group Parameter Under' shown in the Parameter properties dialog box is used to define where parameters are listed in the family and properties pallet