

ETIM MC Viewer COS PIM

Bestand	Manual_ETIM_MC_Viewer.docx
Versie en datum	1.2, 5-11-2021

🌱 狑 🌄

Inhoud

1	Inlei	iding	3
2	ETIN	1 MC Viewer (COS)	3
	2.1	Viewing MC-data	3
	2.2	Editing MC-data	5
	2.3	Clearing MC-data	6
	2.4	Measuring progress	6
	2.5	Zooming in/out	7
	2.6	Viewing / downloading / uploading JSON data	7
	2.7	3D Viewer	9
	2.8	Viewer controls	9

1 Inleiding

The 2BA ETIM-MC viewer offers a user interface to quickly and clearly show where the necessary Model Class features are located within ETIM-MC Product Class. This is of added value for manufacturers, because it directly translates a list of purely numerical MC-data into a visual representation of the product. The viewer thus adds a new dimension to data validation for manufacturers. Manufacturers can use the viewer to assess much faster and better whether the underlying data of the product is correct. This makes filling in the geometric values much more transparent and therefore easier.

The ETIM-MC viewer was developed by 2BA and uses the MC sheets prepared by the Building and Technology Chain Standard. The ETIM-MC Viewer is part of the 2BA DaaS reference architecture.

2 ETIM MC Viewer (COS)

In the product classification menu, under *Functions* a button *MC Viewer* has been added. This button will lead to a 2BA login screen where you can log in with your own 2BA account.

2.1 Viewing MC-data

Modelling Class data can be viewed as follows:

1. Through the Menu go to Products > Product Classifications.



2. Switch to the *Functions* tab, select a product¹, and click on *MC Viewer* button:



3. The MC Viewer will open in a new browser window, where you will be presented with a login dialog. Use your personal 2BA account to login:

🍠 🌮 🗁

¹ <u>Note</u>: Only products with a valid *ETIM Model Class* (MC######) can be viewed and edited with the MC Viewer.

🍠 🌮 💭



4. After login, you will have access to the MC Viewer application:



5. <u>Note</u>: MC Class features will be highlighted in the drawing (left column) if you hover your mouse over there values (right column):



🌱 狑 💭

Compano Online Software

Important: Should you wish to leave the MC Viewer without editing any data, use the *Back* button of your browser.

2.2 Editing MC-data

ETIM MC-data can be edited within the Compano application, however direct editing within the MC viewer is also an option. Edited data can then be adopted into COS:

1. Within the right column of the MC Viewer, select a class feature and click on the pencil icon:

Searc	1		PROGR	ESS ADOPT	VIEW DATA
Port	Code	Category	Description	Feature value	
1	DN	Connection	Nominal duct diameter	2000 mm	 I
1	IL	Connection	Insert length	1200 mm	/ 1
1	L	Productmodel modelling features	Working length	100 mm	/ 1
0	s	Productmodel modelling features	Plate thickness	30 mm	/ 1
1		Connection	Connection	Insert end	/ 1

2. In the pop-up window, you will be presented with information on the feature and the value can be edited:

Nominal duc		
Feature Id: Category code: Category: Port:	EF020311 CA000001 Connection 1	
Feature type: Code:	N DN	
Feature value 2000		4/10
		SAVE

3. Once changed, the data can be sent to COS by clicking on the *Adopt* button:

Search	n		PROG	RESS	ADOPT	VIE	W DATA
Port	Code	Category	Description	Featu	e value		
1	DN	Connection	Nominal duct diameter	20 m	01 m	_ *	Î
1	IL	Connection	Insert	12	0		÷

🥩 🌮 💭

4. On adopting, the MC Viewer will be closed and you will return to the COS-application.

2.3 Clearing MC-data

MC-data for a feature can be cleared by using the garbage can icon:

1. Within the right column of the MC Viewer, select a class feature and click on the garbage can icon:

Searcl	'n		PROGR	ESS ADOPT	VIEW DATA
Port	Code	Category	Description	Feature value	
1	DN	Connection	Nominal duct diameter	2000 mm	2
1	IL	Connection	Insert length	1200 mm	/ 1
1	L	Productmodel modelling features	Working length	100 mm	/ 1
0	s	Productmodel modelling features	Plate thickness	30 mm	/ 1
1		Connection	Connection	Insert end	/ 1

2. The value for this feature will be cleared:

Search	1		PROG	RESS	ADOPT	VIE	W DATA
Port	Code	Category	Description	Featu	re value		*
1	DN	Connection	Nominal duct diameter			_ *	Î
1	П	Connection	Insert	13	20	_^^	-

2.4 Measuring progress

When entering values for class features, you can easily measure your progress by using the *Progress* button. Any features that have not been filled out yet will be highlighted in purple:



2.5 Zooming in/out

When you click on any of the features, the MC Viewer will automatically zoom in. Using the buttons in the lower righthand corner of the viewer you can reset the zoom level, or zoom in or out manually:



2.6 Viewing / downloading / uploading JSON data

Using the *View* button, you can view the data in a JSON format:

1. In the MC Viewer, click on the View button:

🥩 🌮 💭

 Search
 PROGRESS
 ADOPT
 VIEW DATA

 Port
 Code
 Category
 Description
 Feature value

 Nominal
 0000

2. In the pop-up window, the MC-data will be shown in a JSON-format:

Data (json)				^
	UPLOAD JSON FILE	DOWNLOAD	CLOSE	
{ []assId: "WC00000"				
Features: [I
{				4
FeatureId: "EF006112",				
Portcode: 0,				
NumericValue: 30,				
LogicalValue: null,				
RangeLowerValue: null,				
RangeUpperValue: null,				-
AlphaNumericValue: null				
_FeatureTemplate: {				
ID: "EF006112",				
Type: "N",				
Description: "Plate thickness",				
UnitOfMeasureID: "EU570448",				
UnitOfMeasureDescription: "Millimetre",				
UnitOfMeasureEpistle: "mm",				
UsageCount: -1,				
UsageMinValue: -1,				
UsageMaxValue: -1,				
Portcode: 0,				
DimensionalDrawingCode: "s",				
UnitCodeVariableAxis: null,				
Values: null,				
Category: {				
Code: "CA000007",				
Description: "Productmodel modelling features",				
OrderNumber: 70				
},				
HashCode: -1632160438,				
irrelevant: false,				
hasdata: true,				*
			+	

- 3. Use the *Download* button to download the JSON-data.
- 4. Use the *Upload JSON File* button to upload class feature values. <u>Note:</u> Your JSON upload file will need to conform to the JSON standard for MC Classes.

2.7 3D Viewer

The 3D viewer presents a 3D representation of the Model Class. Class feature values determine the shape and dimensions of this representation and any changes in these values will be reflected in the 3D model 'on the fly'.

For instance:

Insert length 12 mm:



Insert length 120 mm



2.8 Viewer controls

Rotate

Click and hold the left mouse button and then drag your mouse to rotate the 3D model.

Grid

Use the *Grid*-button to display a grid. The grid will rotate with the model:



🍠 🌮 💭

🌱 🌮 💭

Compano Online Software

Axis Use the *Axis*-button to display a X-, Y-, and Z-axis in the viewer:



Reset orientation

Use the *Reset orientation*-button to reset the viewer to its original orientation:



Settings

Use the *Settings*-button to change the *Object quality* of the viewer:

