



IEC MAPPING PLATFORM

Content Manager (CM) Guide

<https://mapping.iec.ch>

Edition 1.1

IEC Central Office - Geneva, Switzerland

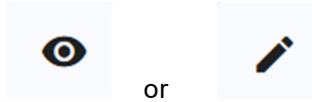
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1 Map viewer – Quick start guide

In a map, modes can be changed by the CM (only), either by clicking on



1.1 View mode



The user may zoom in/out in the map with the mouse wheel, and move inside the map with drag and drop.

In this mode, the user may:

1. look for a specific element and reveal the objects linked to it on the map
2. enable/disable the popup when the pointer is moved over an object

1.2 Edit mode

1.2.1 General



In this mode, the CM may modify (with undo/redo options) and save the map.

Here are the available actions:

Action	Description
Drag and drop object	Move the object in the map (within its container if any)
Right click on the map background	Create a new object
Right click on a link	Change link appearance: link angle and link format
	Remove link
Right click on an object	Edit object (Name, description and URL)
	Change object design
	Change object decorations

Action	Description
Right click on an object	Manage tab elements (see 1.2.2)
	Create link to another object
	Duplicate object (and its associated elements)
	Remove object
	Create another object inside this object

Object and link designs need to be created separately. (see 3 and 4)

1.2.2 Manage tab elements

Managing elements associated to each object is done via a shuttle:

Available elements

Search... IEC and ISO publications ▾

118 filtered element(s) out of 295

- CISPR CISPR 11 Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limit...
- CISPR CISPR 12 Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and ...
- CISPR CISPR 13 Sound and television broadcast receivers and associated equipment, Limits and methods of mea...
- CISPR CISPR 14-1 Electromagnetic compatibility - Requirements for household appliances, electric tools and sim...
- CISPR CISPR 15 Limits and methods of measurement of radio disturbance characteristics of electrical lighting an...
- CISPR CISPR 16 (series) Specification for radio disturbance and immunity measuring apparatus and methods, ...
- CISPR CISPR 22 Information technology equipment & Radio disturbance characteristics & Limits and methods of ...
- CISPR CISPR 25 Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and ...
- CISPR CISPR 32 Electromagnetic compatibility of multimedia equipment - Emission requirements
- IEC IEC 28601
- IEC IEC 60076 (series) Power transformers
- IEC IEC 60193 Hydraulic turbines, storage pumps and pump-turbines - Model acceptance tests

Currently attached elements

Search... All ▾

33 element(s)

- ✕ IEC IEC 61131 (series) Programmable controllers, Industrial-process measurement and control
- ✕ IEC IEC 61158 (series) Industrial communication networks - Fieldbus specifications
- ✕ IEC IEC 61334 (series) Distribution automation using distribution line carrier systems
- ✕ IEC IEC 61400 (series) Wind energy generation systems, Wind turbines
- ✕ IEC IEC 61499 (series) Function blocks
- ✕ IEC IEC 61724 Photovoltaic system performance - Part 1: Monitoring
- ✕ IEC IEC 61730 (series) Photovoltaic (PV) module safety qualification
- ✕ IEC IEC 61784-1 Industrial communication networks - Profiles Part 1: Fieldbus profiles
- ✕ IEC IEC 61836
- ✕ IEC IEC 61850 (series) Communication networks and systems for power utility automation
- ✕ IEC IEC 61968 (series) Application integration at electric utilities - System interfaces for distribution manag...
- ✕ IEC IEC 61970 (series) Energy management system application program interface (EMS-API)

Cancel Ok

Attaching elements to the object is done by clicking on the arrowhead next to the element on the left hand side.

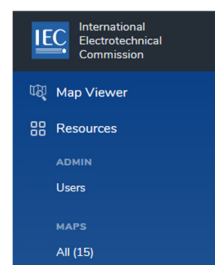
Removing elements from an object is done by clicking on the cross next to the element on the right hand side.

2 Administration

Most of the map building can be done directly in the map viewer, except the management (creation, update and delete) of:

- Tabs,
- Tab elements, and
- Object decorations

which can be only done in the Administration interface:



Management of	Administration	Map Viewer (Edit mode)
Tabs	X	
Tab elements	X	
Object design	X	X
Object decorations	X	
Link format	X	X

Object designs and link formats, even if available in the administration part, can be more easily managed via the Settings menu in the Map Viewer, see 3.1 and 4.1.

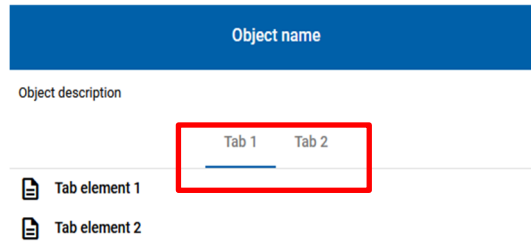
2.1 Map details

Each CM may have access to a selection of maps. Those maps will be listed here.

Each map can be defined/updated with the following attributes:

Map attribute	Description
Name	This is the map title (label that will be shown in the browser tab in view mode).
Description	This is shown in the maps list, to guide the user in map selection.
Publicly visible	By default, the map is not visible by the public, this is particularly useful when the map is in draft status
Background color	Background color of the map

2.2 Tabs



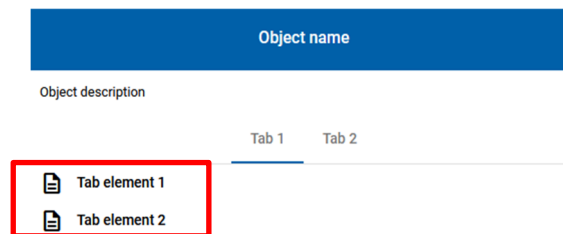
Elements are grouped under each tab ("Standards" and "Use cases" in the original Smart Grid map).

Tab attribute	Description
Name	This is the tab title
Order	Sort order of the tab in the popup, from left to right
Icon	Upload an image to be displayed left of all tab elements under that tab

Note 1: the tab will be shown in the object popup only if populated with elements.

Note 2: tabs are not mandatory, for example if tab elements do not need to be grouped.

2.3 Tab elements



Tab elements can be created/updated/removed only in the administration interface. In the map, Tab elements can be associated to objects.

Each element is defined with the following attributes (Create Tab element):

Element attribute	Description
Reference Type	<ul style="list-style-type: none"> No link Custom link Dynamic link to IEC Reference <p style="background-color: #f4b084; padding: 2px;">This option is to be used only for publications available in the IEC Webstore.</p>
Reference	Reference/name of the element, it is shown in the elements list

Element attribute	Description
Static link	URL to be used by the user to get more information on this document. It can redirect to a website other than IEC. <i>Only when "Custom link" is selected</i>
Tab	Link to a pre-defined Tab, see 2.2
Icon	Upload an image to be displayed left of the tab element
Note	This note is internal and will be seen only in the "Administration" interface
Description	Detailed description, shown next the tab element in the popup <i>Only when "Custom link" is selected</i>

Examples of references with the dynamic link option:

Reference	Dynamic link
IEC 60335	The link will list all publications available in the 60335 series (latest editions)
IEC 60335-2-6	The link will redirect to the latest edition of IEC 60335-2-6
IEC 60335-1:2020	The link will redirect to the 2020 edition of IEC 60335-1

2.3.1 Import / export

Large elements lists may be imported into the system. Please contact IEC CO for assistance.

2.4 Object decorations

Object decorations were originally used in the Smart Grid map to indicate the availability of use cases on an object, as a yellow bullet on the bottom left corner of the object:



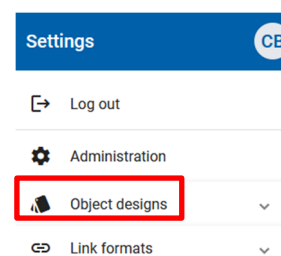
Each object decoration is defined with the following attributes:

Object decoration attribute	Description
Name	This is name of the object decoration. It is recommended to use self-explanatory names, e.g. "Yellow bullet, bottom left".
Note	For administrators only – not visible on the map
Background color	Color used for background
Border color	Color used for border
Border width	Width of the border, in pixels
Size	Size in pixels
Shape	Circle or rectangle
Location	Bottom / Top and Left / Right

3 Objects and their designs

3.1 Object designs

Object designs can be managed in the Settings menu in the Map Viewer.



Object designs may be defined/updated with the following attributes:

Object design attribute	Description	Default values
Name	This is name of the object design. It is recommended to use self-explanatory names, e.g. "Grey rectangle".	
Shape	Either rectangle or circle	Rectangle
Text direction	Horizontal or Vertical	Horizontal
Border radius	Border radius in pixels – range from 0 to 50 (not used for circle shapes)	0
Background image	Upload an image to be used as background	None

Object design attribute	Description	Default values
Hide object name on map	Checkbox. Particularly useful when using a background image.	unchecked
Font size	Font size, in pixels; range from 10 to 40	16
Font Weight	Normal or Bold	Normal
Automatic size	Checkbox	checked
Forced height	Height in pixels – range from 0 to 1000 <i>Hidden when "automatic size" is checked</i>	
Forced width	Width in pixels – range from 0 to 1000 <i>Hidden when "automatic size" is checked</i>	
No background and border	Checkbox	unchecked
Border width	Width of the border, in pixels, range from 0 to 10 <i>Hidden when "no background and border" is checked</i>	1
Text color	This is the color to be used when showing the object name.	Black
Background color	Color used for background <i>Hidden when "no background and border" is checked</i>	Grey
Border color	Color used for border <i>Hidden when "no background and border" is checked</i>	Grey

The properties listed in the table above will apply to all objects using the object design.

Note: If height is specified, width shall also be specified and vice versa.

3.2 Objects

Objects can be created, updated, removed and associated to object designs directly in the map, by clicking the right mouse button (context menu).

Each object has the following attributes:

Object attribute	Description	Updatable in Map EDIT mode
Name	This is the object label that will be shown on the map.	Yes
Note	This note is internal and will be seen only in the "Administration" interface	No
Description	Text to be displayed in a popup when the users move the pointer over the object	Yes
Object design	Link to a pre-defined type of object design, see 3.1	Yes
Container	This may be another object in which the object will be displayed on the map, or may be left empty if the object is a top level object	No

Each object may be linked to other objects:

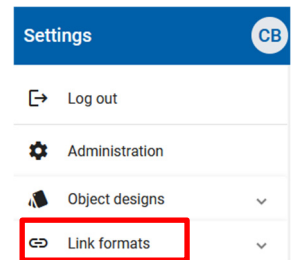
- Children (which have the object as Container)
- Linked objects (From or To)

Each object may be associated with a list of elements (see 1.2.2), which will be displayed in a popup when the users move the pointer over the object.

4 Links and link formats

4.1 Link formats

Link formats can be managed in the Settings menu in the Map Viewer.



Link formats can be defined and managed, with the following options:

Link format attribute	Description	Default values
Name	This is name of the link format. It is recommended to use self-explanatory names, e.g. "Black thin line".	
Color	Color of the link	Black
Stroke width	Width of the link in pixels – range from 1 to 10	2

Note: at a later stage, arrow ends may be introduced.

4.2 Links

Links can be created, removed and associated to link layouts directly in the map by clicking the right mouse button (context menu).

Objects can be linked to each other, with a direction: "From an object, To another object".

Each link between two objects has the following attributes:

Object attribute	Description	Updatable in Map EDIT mode
From	Name (including container(s), if any) of the object from which the link will be shown	No*
To	Name (including container(s), if any) of the object to which the link will be shown	No*
Line angle	Straight line, or 90° angle starting from horizontal sides, or 90° angle starting from vertical sides	Yes
Link layout	Link to a pre-defined type of link layout, see item 4.1	Yes

* Links between objects can be created or removed in the map EDIT mode

5 Set of rules for the development process – as in SMB/7399/R

- 1) Each map is owned by one technical or advisory body.
 - 2) The technical or advisory body nominates a Content Manager (CM) who is responsible for the design, input and maintenance for a particular map. (Note: “responsible” does not mean that the work has to be done solely by the CM)
 - 3) The CM may set up an ad-hoc group to work on a map as needed.
 - 4) Where appropriate a joint ad-hoc group may be established between two or more technical or advisory bodies.
 - 5) CM are encouraged to use the methodology being developed by JTC1 Advisory Group 8 on meta architectures for the reference architecture.
 - 6) Prior to the release of a map, members of the technical or advisory body should be consulted by circulating a Document for Comments (DC).
 - 7) Maintenance (update of data) is under the responsibility of the CM.
 - 8) In case of any changes in structure and content beyond simple updating the CM shall consult the members of the technical or advisory body.
 - 9) The overall coordination of the different maps is managed by a dedicated IEC CO IT Manager who shall stay in close contact with the technical officers of the relevant bodies.
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