

AS EN54 Fire SmartDriver and AS EN54 Configurator Tool Release Note Version 1.1.1.106



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2 Introduction

The AS EN54 Fire SmartDriver and AS EN54 Configurator Tool 1.1.1.106 Release Notes document details the features and fixes within this build.

2.1 Change History

Rev No	Date	Revised	Document Revision Description
1.1.1.102	Jan 2024	PR	<p>AS EN54 Fire Configurator</p> <p>Fixes and Features</p> <ul style="list-style-type: none"> • Custom component text feature added. • Implemented T2 “Get Extra Time” in to Zone Components. • Feature implemented to add interface without floorplan graphics. • Feature implemented to create, import, export and delete graphics component styles. • Feature implemented to customize fire graphics component files. • Fire graphic menus now open to the side of the fire graphics component. • Visual indication added to graphics components if the bound schedule is active so that user can differentiate between user disabled devices and schedule-controlled devices. • Fix for FX panel descriptions showing Cyrillic characters instead of Scandinavian characters. • Fix for Project menus allowing import/export selection when there is no existing project. • Fix for Zone T2 TGML Ack/Reset Values • Fix for TGML Border key colours corrected. • Fix for TGML Swedish Delayed Alarm counter corrected. • IO Components separated into Input and Output types. • TGML Zone delay alarm timer ‘extend’ button renamed to match FDP panel. • Command Output On and Off Text can now be customized. • TGML Device Enable button text square bracket text removed. • Graphics Component displays now schedule active indication. • Graphic fixed where previously it could show incorrect auto enable time under certain conditions. • Fix for some Swedish Output icons opening EBO properties window instead of popup menu.

1.1.1.106	May 2024	PR-PK	<ul style="list-style-type: none">• Esmi Fire panel library updated to V1.13
1.1.1.01	Sep 2023	PR	AS EN54 SmartDriver Fixes and Features <ul style="list-style-type: none">• EWS support added

3 Release Availability and Requirements

3.1 AS EN54 Configurator Tool

The software included in the AS EN54 Configurator Tool 1.1.1.106 build deliverable includes the following software: -

Product	Version	Build	Notes
AS EN54 Configurator Tool 1.1.1.106.exe	1.1.1.106	106	N/A

3.2 AS EN54 Fire SmartDriver

The software included in the AS EN54 Fire SmartDriver deliverable includes the following software:

Product	Version	Build	Notes
AS EN54 Fire SD 1.1.1.01.sdrv Licensed version.	1.1.1.01	01	Identifier = ASFLicensed

3.3 Supported Operating Systems: AS EN54 Fire Configurator Tool

Operating System	Edition	Architecture
Microsoft Windows10	All Editions	32/64-bit

3.4 Supported AS-P Version: AS EN54 SmartDriver

Operating System	Edition	Architecture
AS-P EBO 3.2.* and above	AS-P only	Linux

3.5 Compatibility Matrix

The compatibility table below is to show the compatibility between EBO Fire graphics created by the AS EN54 Configurator Tool and the SmartDriver version used:

SmartDriver version	AS EN 54 Configurator Tool				
	1.0.3	1.0.4	1.0.5	1.1.0	1.1.1
1.0.3	x ¹	x ¹	<i>Not supported</i>	<i>Not Supported</i>	<i>Not Supported</i>
1.0.5	<i>Not supported</i>	x ²	x ³	<i>Not Supported</i>	<i>Not Supported</i>
1.0.6	<i>Not Supported</i>	x ²	x ³	<i>Not Supported</i>	<i>Not Supported</i>
1.1.0	<i>Not Supported</i>	x ⁴	x ⁴	x	x
1.1.1 ⁵	<i>Not Supported</i>	x ⁴	x ⁴	x	x

¹ Delayed alarm functionality not supported.

² Delayed alarm supported; however delayed alarm (T2) reset button in graphics does not work.

³ Impresia support was added in this version.

⁴ Use AS EN54 Configurator Tool to update the Access Level 3 Code.

⁵ EWS support added in this version of the SmartDriver.

3.6 Known Issues

3.6.1 Installer

Please uninstall previous version prior to installation

(In some cases it has been found that it may be necessary to remove existing TGML components and also files in C:\Program Files (x86)\Schneider Electric\AS EN54 Configurator Tool) before installation

3.6.2 Fire Graphics Tool Tip Text

Fire graphics tool tip text is not translated. Address + Raw Value + No Name are not included in the component text editor.

4 New Feature Information

4.1 Custom Text Feature

The custom text feature allows the text of the TGML graphics components to be modified for each component style. The text of Panels, Devices, Loops and Zones can be customized and saved using the Configurator Tool. When the floorplan graphics are subsequently created in the Automation Server, the text of the Panels, Devices, Loops and Zones will contain the customized text.

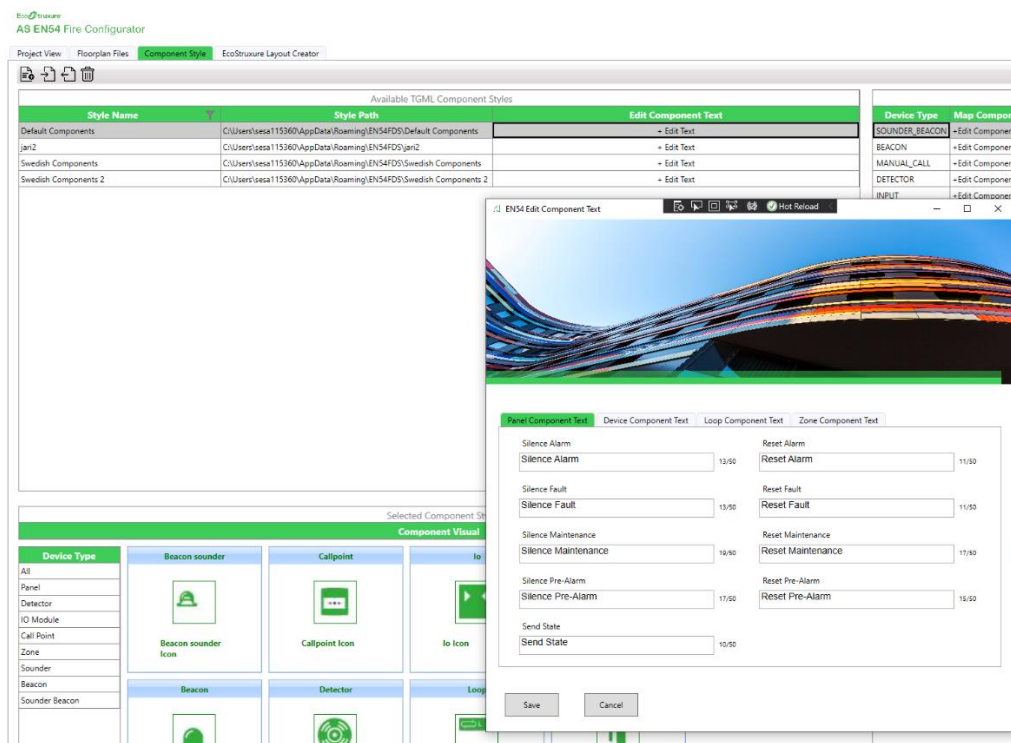
4.1.1 Allow users to add custom text to TGML components

Component Style: Component Text

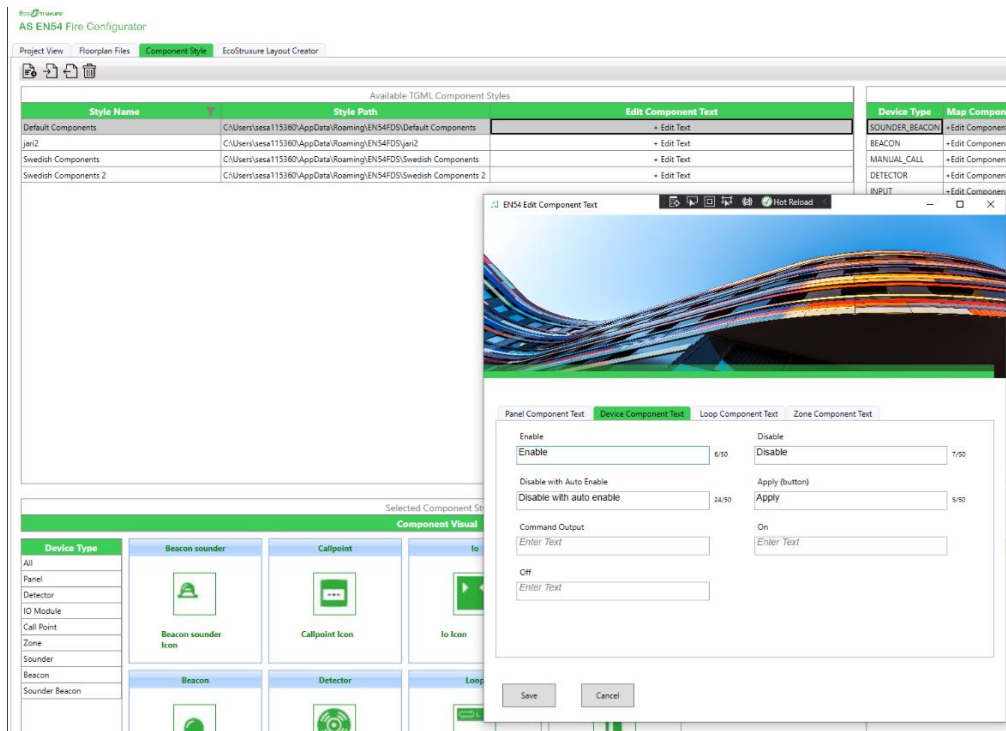
- Component Style List: Grid Menu Button: Edit Component Button
- Edit Component Window: Edit Boxes and Character counts
- Component Text: Storage and Config files
- Component Text: EBO Creation methods and TGML placeholders

4.1.2 Custom Text Elements

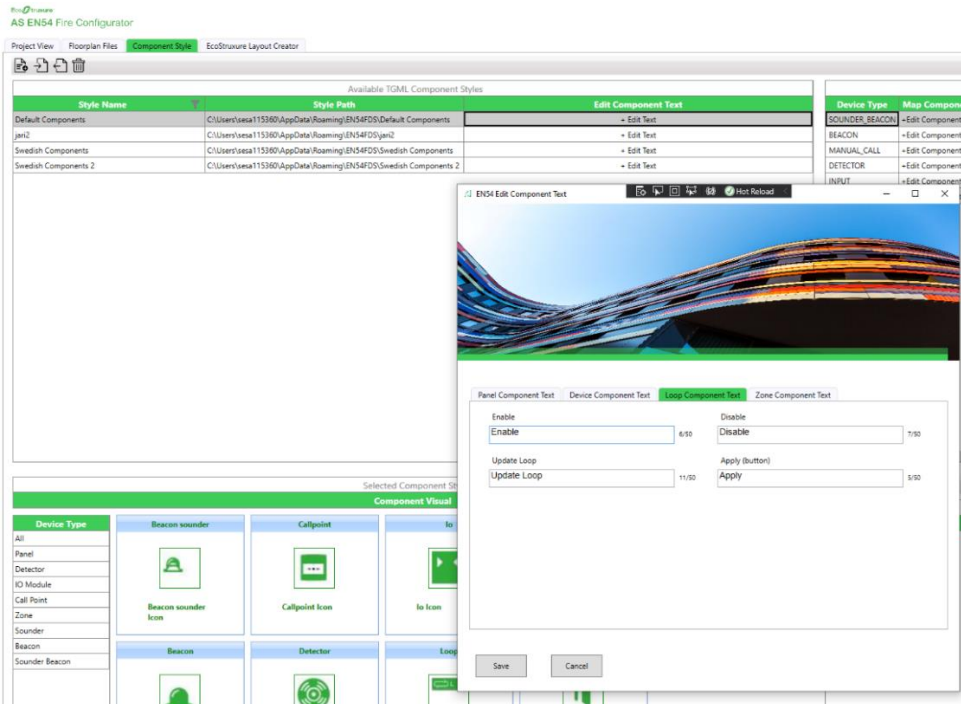
4.1.2.1 Custom Panel Text



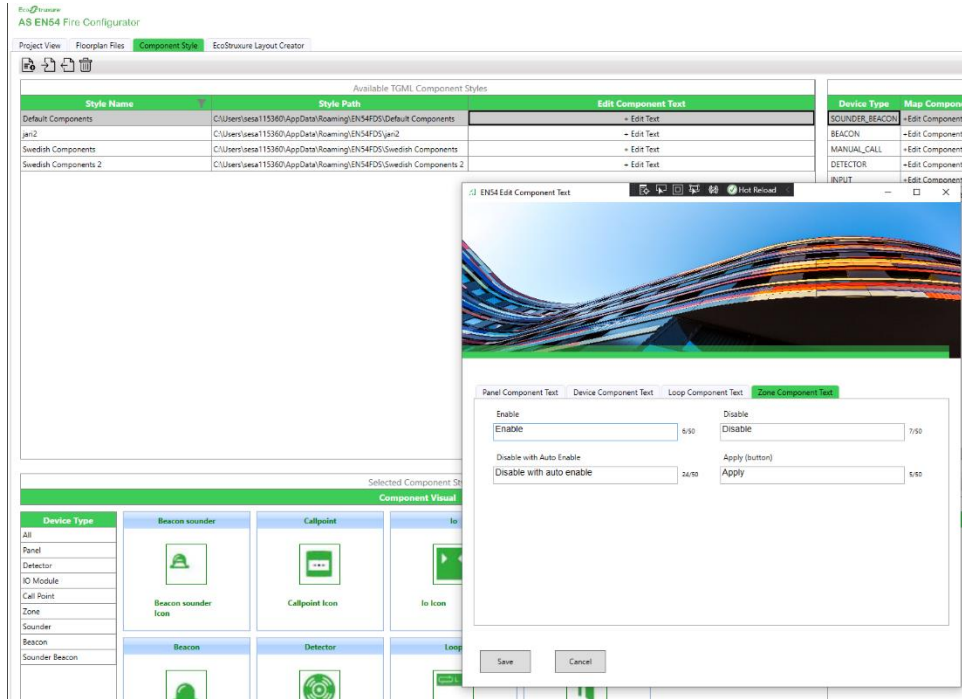
4.1.2.2 Custom Device Text



4.1.2.3 Custom Loop Text



4.1.2.4 Custom Zone Text



4.2 Zone T2 Get Extra Time

Support added for activation of T2 available from the fire zone graphics.

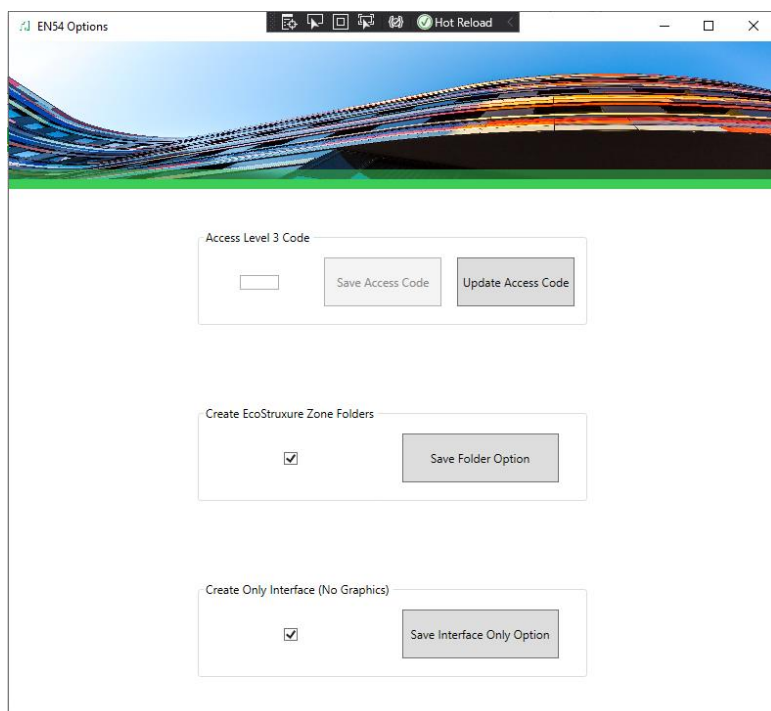
4.2.1 Zone Component now has T2 'Get Extra Time' feature.



4.3 Build Interface without Floorplan Option

Support added to build an interface without any floorplans.

4.3.1 Option to Create Interface Only

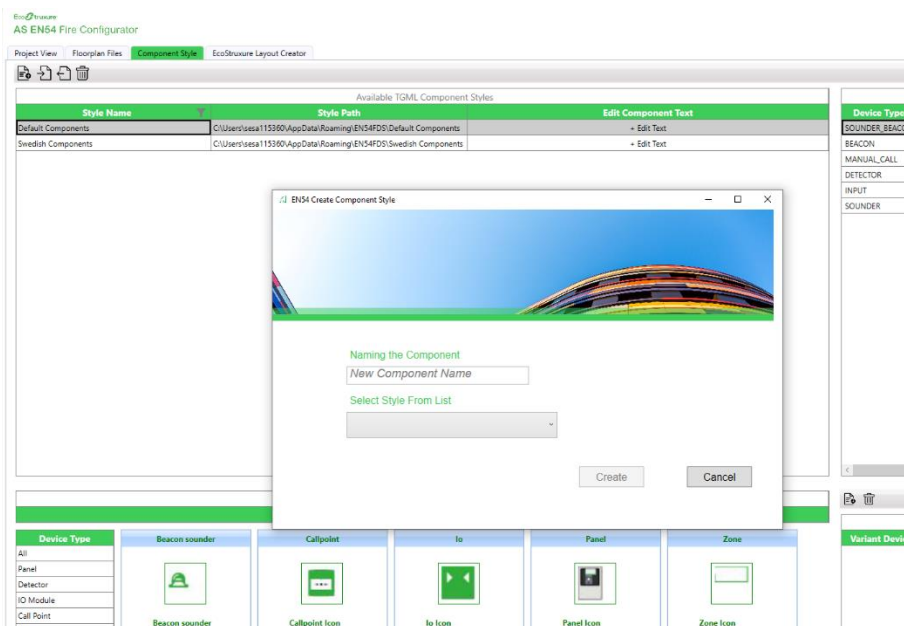


To build an interface only without any floorplan, selected and save the Create Interface (No Graphics) option.

4.4 Create, import, export and delete graphics component styles

A new capability has been added to allow new component styles to be created. Newly created styles can be created based on an existing style or with a new empty set of components. An import and export facility has also been added so that component styles can be shared. The resulting export file is denoted by an *.en5s file extension. Component styles can also be deleted if no longer required.

4.4.1 Create new Component Style

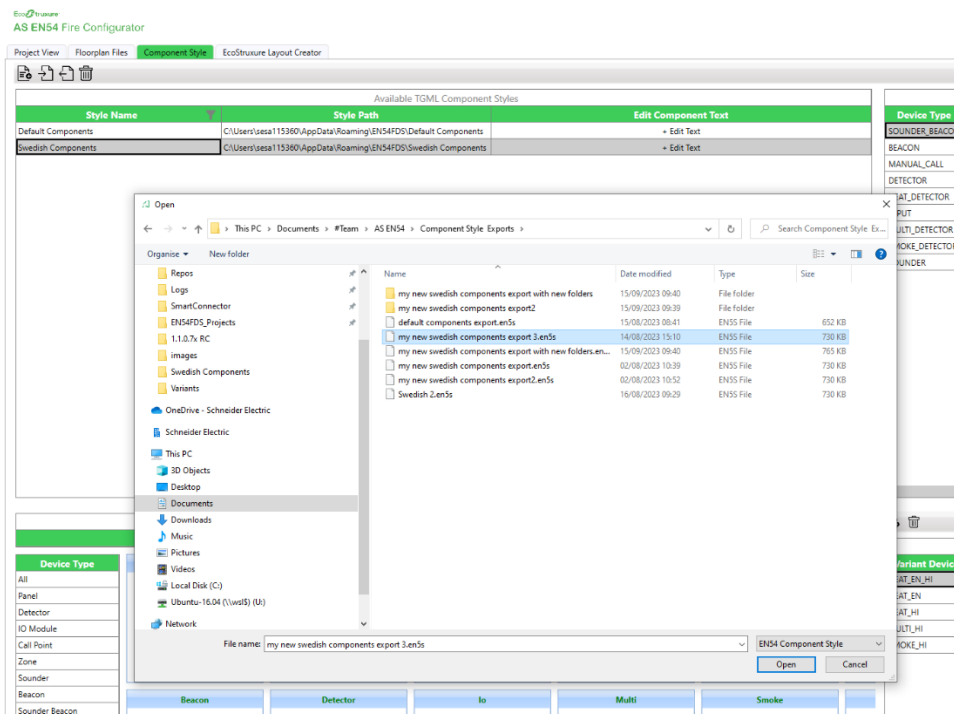


Naming the Component: - Enter a unique component name for the new component style that is being created.

Select Style from List: - The style can be based on any existing style or from a new empty style set.

After a unique name is entered and a style type selected the component style can be created by pressing the Create button.

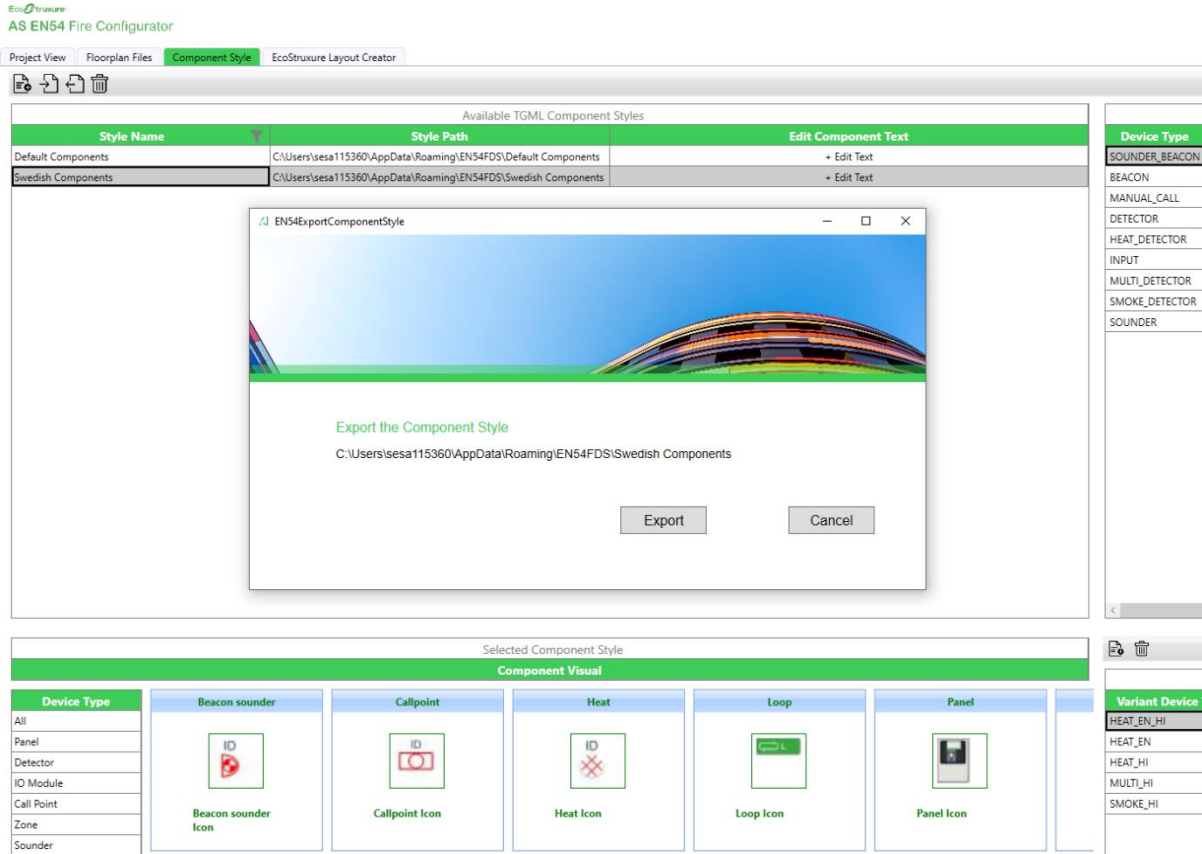
4.4.2 Import Component Style



This menu item allows an exported component style set to be imported into the Configurator Tool.

Component Style exports have the file extension .en5s.

4.4.3 Export Component Style



This allows the selected component style to be exported.

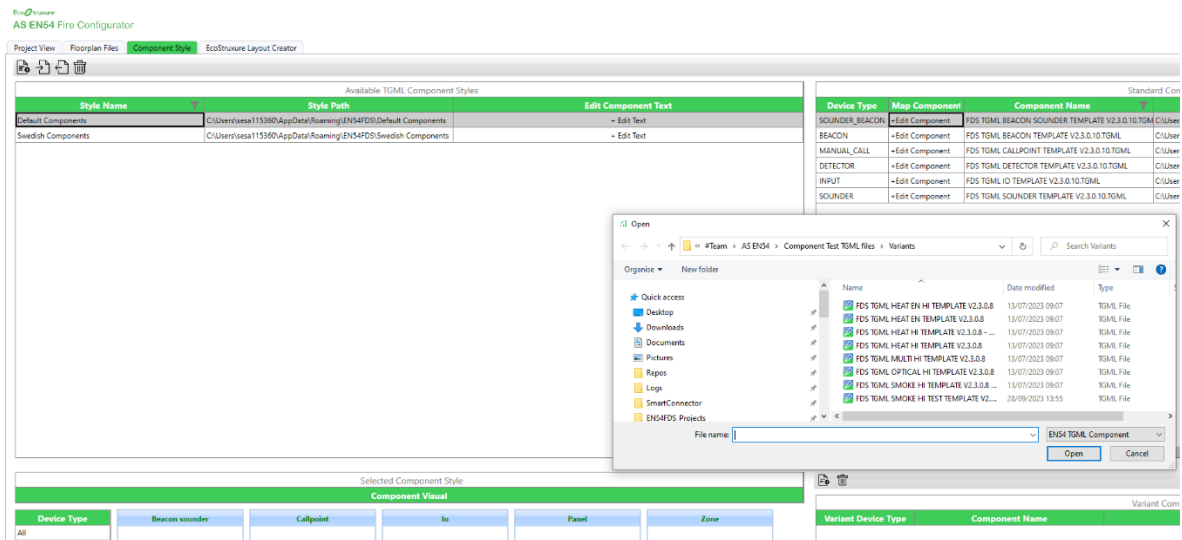
Component Style exports have the file extension .en5s.

4.5 Customize fire graphics component files

A new capability has been added that maps TGML graphics components to their associated TGML file. Further, this mapping can be edited by the user so that individual graphics components can be mapped to a different TGML file and allow the component TGML graphic to be changed.

As well as modifying the standard set of components for each style, variants of the components can also be added to the style. For example, a heat detector component may have some variants such as a hidden heat detector type and this could be added to an existing style as a variant component. After variants are successfully added, they can then be selected in the layout creator and used on floorplans.

4.5.1 Edit/Add Component mapped component



To edit the mapped component file for a standard component, click the mapped component +Edit Component or +Add Component link to change or add a new standard component file.

4.5.2 Add Variant component file.

To add a variant component, click the 'Create and Add Variant to Component Style' button located above the Variant Component List.

The screenshot displays the AS EN54 Fire Configurator software interface. The main window is titled 'AS EN54 Fire Configurator (3.1.1.04)'. The interface is divided into several panes:

- Available TGML Component Styles:** A table listing available styles with columns for Style Name, TGML Path, and Edit Component List.
- Standard Component List for Selected Style:** A table listing standard components with columns for Device Type, Map Component, Component Name, and Component Path.
- Component Visual:** A grid of icons representing different device types: Beacon, Callpoint, Heat, Loop, Output, Detector, Input, Multi, and Panel.
- Variant Component File:** A dialog box titled 'Variant Component File' with a 'Choose File' button and 'Save' and 'Cancel' buttons.

Then choose the variant style TGML file that is required. Click save to add the variant. The new variant component is then added to the Variant Component List.

Please note that it is important that the variant style TGML file is correctly formatted and contains placeholders. Please see section related to creating a new TGML component style for formatting details.

4.6 Creating a new TGML component style.

This section contains information on creating new Component Styles. Creating a new component style will require TGML graphics knowledge as components are built using TGML based files.

Creating a new component style can be achieved using the followings steps: -

1. Create the component style using the EBO graphics editor to modify an existing style.
2. Split the resulting TGML into separate TGML component files.
3. Add the placeholders to the TGML component files.
4. Create a new style in the Configurator Tool, name it as required and then add the new TGML files.
5. Create png images for the new, name them with the same name as the components and then add the new png files.

These steps are detailed below.

4.6.1 Using EBO graphics editor to modify an existing component style.

Please refer to separate document Modifying Existing Component Style for details.

4.6.2 Splitting a new graphics TGML file into separate TGML component files.

Each element of the fire system is graphically represented by an individual TGML component files. The Configurator Tool fits these individual files together, along with global TGML scripts, to form a complete TGML floorplan graphic file that is then used create the resulting graphics seen in EBO.

Please see example TGML to see how the source TGML file from 4.5.3.1 is split into the component parts.

4.6.3 Adding placeholders to TGML component files.

Placeholders are used within each TGML component file so that key information can be injected into the individual graphics components by the Configurator tool for key items such as component name, position, text etc. The key information is based upon data that is taken from the Esmi configuration file, user data and floorplan device selections.

Placeholders are in the form **###placeholder_type###**

Some placeholder examples are shown here: -

###SMOKE_NAME### for the name of a smoke detector.

###OPTICAL_HI_LEFT### for the left position of an Optical Hidden device.

###OPTICAL_HI_TOP### for the top position of an Optical Hidden device.

When a new interface with floorplans is created using the Configurator Tool, the application modifies the placeholder with real names and positional data in the above examples.

There are other placeholders for Zones, Panels, Loops, Devices and for the Global Script TGML file.

The full placeholder list for reference is shown below for the different component styles.

4.6.4 Global Placeholders – file is FDS FLOORPLAN EMPTY V2.3.0.10.TGML

##DEVICE_TEXT_ENABLE###

###DEVICE_TEXT_DISABLE###

###DEVICE_TEXT_DISABLE_AE###

###DEVICE_TEXT_APPLY###

###DEVICE_TEXT_COMMAND_OUTPUT###

###DEVICE_TEXT_ON###

###DEVICE_TEXT_OFF##

###PANEL_TEXT_SILENCE_ALARM###

###PANEL_TEXT_SILENCE_FAULT###

###PANEL_TEXT_SILENCE_MAINT###

###PANEL_TEXT_SILENCE_PRE-ALARM###

###PANEL_TEXT_RESET_ALARM###

###PANEL_TEXT_RESET_FAULT###

###PANEL_TEXT_RESET_MAINT###

###PANEL_TEXT_RESET_PRE-ALARM###

###PANEL_TEXT_SENDSTATE###

###PANEL_TEXT_SILENCE_ALARM###

###PANEL_TEXT_SILENCE_FAULT###

###PANEL_TEXT_SILENCE_MAINT###

###PANEL_TEXT_SILENCE_PRE-ALARM###

###PANEL_TEXT_RESET_ALARM###
###PANEL_TEXT_RESET_FAULT###
###PANEL_TEXT_RESET_MAINT###
###PANEL_TEXT_RESET_PRE-ALARM###
###PANEL_TEXT_SENDSTATE###
###LOOP_TEXT_ENABLE###
###LOOP_TEXT_DISABLE###
###LOOP_TEXT_APPLY###
###LOOP_TEXT_UPDATE_LOOP###
###LOOP_TEXT_APPLY###
###ZONE_TEXT_ENABLE###
###ZONE_TEXT_DISABLE##
###ZONE_TEXT_DISABLE_AE###
###ZONE_TEXT_APPLY###
###PNG_HEIGHT###
###PNG_WIDTH###
###PNG_BASE64_DATA_PLACEHOLDER###
###FLOORPLAN_PLACEHOLDER###

4.6.5 Device Placeholders

###deviceType_LEFT###
###deviceType_NAME###
###DeviceType_TOP###

4.6.6 Loop Placeholders

###LOOP_LEFT###
###LOOP_NAME###
###LOOP_TOP###

4.6.7 Panel Placeholders

###PANEL_LEFT###

###PANEL_NAME###

###PANEL_TOP###

4.6.8 Zone Placeholders

###ZONE_LEFT###

###ZONE_NAME###

###ZONE_TOP###

###ZONE_AE_LEFT###

###ZONE_AE_TOP###

###SCHEDULE_LEFT###

###SCHEDULE_TOP###

###ZONE_TIMER_LEFT###

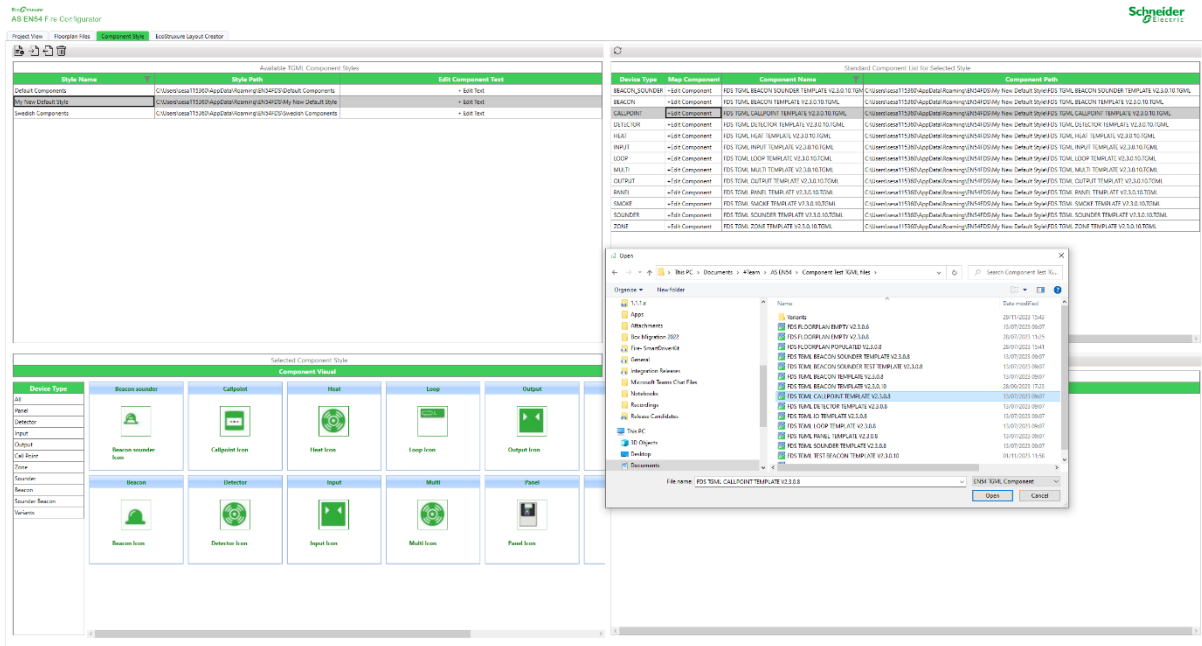
###ZONE_TIMER_TOP###

###ZONE_TEXT_GET_MORE_TIME###

###ZONE_TEXT_RESET###

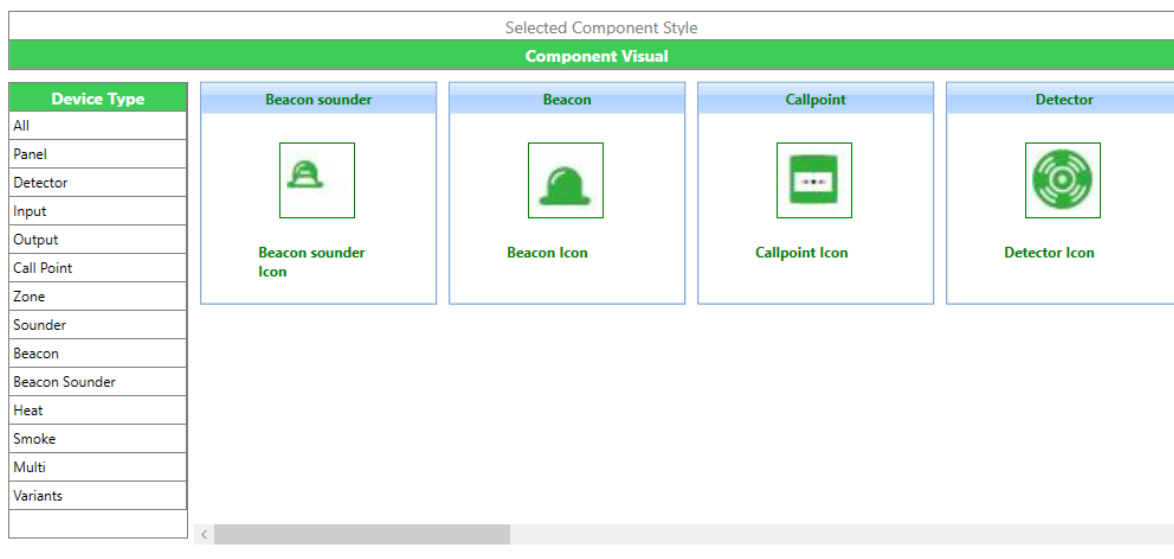
4.6.9 Add TGML components to a new style in the Configurator Tool.

The configuration tool can be used to create either a new empty style or a new style based on an existing style. After the new style is created in the Configurator Tool, the devices, panel, loop and zones can then be edited to link to the new TGML component files that were created in the previous steps. This is shown below. Please Note: - a component file is required for every device type so that the Configurator tool can then successfully create the graphical component in EcoStruxure Building Operation when the floorplans are created.



4.6.10 Create and Add images for the Component Style Visualizer

The component style visualizer is a window on the component style tab that is used to give an indication to the user of what the component style looks like. This is shown below.



The Component Visual shows an image of each component within the style. The images are either 32x32 or 64x64 pixel images of each component. The images are given the same file name as the TGML component they represent with a png file extension. If the configurator tool finds a png with the same name as the component in the style folder, it will display it in the component style visualizer. If the configurator tool finds a png with the same name as the component in the variants style folder, it will display it in the variants section of the component style visualizer. The graphics engineer that is creating the new style can use any graphics package to create the png image or they could use the component library feature in EcoStruxure Building Operation Graphics Editor that automatically creates a png image of the TGML component.