



Where Automation Connects.



**MVI56E-61850C**  
**Configuration Manager**  
**Software**  
ControlLogix®

June 19<sup>th</sup>, 2024

## RELEASE NOTES

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MVI56E-61850C Configuration Manager Release Notes For  
Public Use.

June 19<sup>th</sup>, 2024

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# 1 Start Here

This document describes the enhancements, anomalies (fixed and known) for the MVI56E-61850C Configuration Manager software.

## 1.1 About the MVI56E-61850C Configuration Manager Software

The MVI56E-61850C Configuration Manager software is used to configure the MVI56E-61850C communication module. The Configuration Manager is launched from the Studio 5000 Logix Designer programming environment through the MVI56E-61850C Add-On Profile. The Configuration Manager software is used to select the IEC 61850 tags to be transferred between the Rockwell Automation PACs and the IEC 61850 IEDs.

This document also includes information about the Diagnostics Tool which is installed along with the Configuration Manager software. For more information about the MVI56E-61850C Configuration Manager software and the Diagnostics Tool, please refer to the MVI56E-61850C User Manual document.

## 1.2 Release Enhancements

### 1.2.1 Configuration Manager

Release Version	Release Date	Description
1.02.004	1-Nov-2024	<b>Added Description</b> <ul style="list-style-type: none"><li>Description added to 'Invalid ID Name' pop up warning to 'Invalid ID Name! IED Name cannot be NONE or TEMPLATE!'</li></ul>
1.02.003	23-Sept-2024	<b>Fixed Anomalies</b> <ul style="list-style-type: none"><li>Manual poll function for diagnostics was fixed in the AOI to function properly.</li></ul>
1.02.002	19-June-2024	<b>New Features</b> <ul style="list-style-type: none"><li>New error message is generated during the GOOSE dataset selection when it includes a tag associated with an entire logical node.</li></ul> <b>Fixed Anomalies</b> <ul style="list-style-type: none"><li>Report and MMS (read) tags including the "Oper" substring are missing from the .L5X file.</li><li>"Oper tag cannot be mapped as it has control model – status only" message is incorrectly generated during the Oper tag selection.</li><li>Oper ctrlModel attribute value is incorrectly parsed.</li><li>Missing GOOSE tags in the Studio 5000 project.</li></ul>
1.02.001	07-May-2024	Changed Installer Version

1.01.052	24-Oct-2023	<b>New Features</b> <ul style="list-style-type: none"><li>Implements the Group feature.</li></ul> <b>Fixed Anomalies</b> <ul style="list-style-type: none"><li>ctlModel attribute value incorrectly parsed for ABB and Schneider CID files.</li><li>Incorrect tag offset assignment for contiguous REAL tags.</li></ul>
1.01.003	25-Feb-2022	<b>Fixed Anomalies</b> <ul style="list-style-type: none"><li>BOOL Tag Values Not Updated for Contiguous Sequence of BOOL Tags.</li><li>Invalid Bit Specifier Error during L5X Import for Contiguous Sequence of BOOL tags.</li></ul>
1.01.001	30-Sept-2021	Initial Release

### 1.2.2 Diagnostic Tool

Release Version	Release Date	Description
1.01.001	25-Feb-2022	Version number updated
0.01.009	30-Sept-2021	Initial Release

## 1.3 Supported Windows OS

- Windows 10 (64-bit)

## 1.4 Enhancements

- New error message displayed during the GOOSE dataset selection when it includes a tag associated with an entire logical node.**  
Even though the module does not allow the data transfer of any tags associated with an entire GOOSE dataset, this scenario was not validated with the previous version.

## 1.5 Fixed Anomalies

- Report and MMS (read) tags including the “Oper” substring are missing from the L5X file.**  
If the user selects any report or MMS read tags whose names include the “Oper” substring, then these tags will not be included in the exported L5X file.
- “Oper tag cannot be mapped as it has control model – status only” message is incorrectly generated during the Oper tag selection.**  
This message could be incorrectly displayed even when the Oper tag ctlMode attribute was not set as status only value.
- Oper ctlModel attribute value incorrectly parsed.**  
The ctlModel value could be incorrectly parsed from the .icd/cid/scd file in specific cases.
- Missing GOOSE tags in the Studio 5000 project.**

If the user maps GOOSE tags that fill more than one connection, then some GOOSE tags might not get exported to the Studio 5000 project.

## 1.6 Known Anomalies

- **Cannot Validate Project with Enum Data Attribute Tag in GOOSE** ○ If the user maps a GOOSE that includes a Enum data attribute tag, once the user clicks on the AOP apply button, it generates the error “Failed to modify properties. Cannot create a tag of unverified type”.
  - To work around this anomaly, make sure that every GOOSE Enum tag is defined as a member of a data object in a GOOSE (instead of being defined as a data attribute).
- **“Error: invalid attribute value” Message Generated During Project Download to Controller**
  - If the user maps GOOSE data requiring more than one backplane connection, then Studio 5000 may generate the error “Error: invalid attribute value” during the project download to the controller.
  - There are no workarounds for this anomaly.
- **Duplicated Backplane Mapping Causes Program Export Warning** ○ If the user maps multiple reports that share the same data tag, Studio 5000 generates a warning during the validation process of the imported L5X file: *Warning: Duplicated Destructive Bit Reference Detected: ‘Tag Name’*
  - The warning indicates that the same controller tag is getting updated from multiple sources of the backplane connection input. The MVI56E-61850C module will reserve a backplane connection input slot for each mapped controller tag instance.
  - The tag values will get properly updated despite of the warning message. To work around this anomaly, make sure that the reports do not share the same IEC 61850 tag.
- **Alignment issue in Diagnostics Tool** ○ This minor alignment anomaly is observed if the displayed string value does not fit into one line.
  - To work around this anomaly, increase the Diagnostics Tool window size for proper display.
- **GOOSE Publish tags are not selectable through Diagnostics Tool Data Monitor**
  - GOOSE Publish tags cannot be selected through the Data Monitor section of the Diagnostics Tool.
  - There are no workarounds for this anomaly.

- **Only the latest saved project is automatically reopened for multiple AOP instances** ○ Configuration Manager will automatically reopen only the latest saved project among all Add-On Profile instances. This anomaly is only observed if the Studio 5000 project includes multiple MVI56E-61850C Add-On Profile instances.
  - To work around this anomaly, manually open the Configuration Manager project.
- **L5X File Import to Studio 5000 Generates Undefined Tag Name Error** ○ Studio 5000 generates the error “Undefined Tag Name” during the L5X file import. This anomaly is only observed if the mapping includes reports that share the same tags.
  - To work around this anomaly, make sure that the reports do not share the same IEC 61850 tag.

## 2 Support, Service & Warranty

### 2.1 Contacting Technical Support

ProSoft Technology, Inc. is committed to providing the most efficient and effective support possible. Before calling, please gather the following information to assist in expediting this process:

- 1 Product Version Number
- 2 System architecture
- 3 Network details

If the issue is hardware related, we will also need information regarding:

- 1 Module configuration and associated ladder files, if any
- 2 Module operation and any unusual behavior
- 3 Configuration/Debug status information
- 4 LED patterns
- 5 Details about the interfaced serial, Ethernet or Fieldbus devices

**Note:** For technical support calls within the United States, ProSoft Technology's 24/7 after-hours phone support is available for urgent plant-down issues.

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