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Where Automation C

MVI56E-61850C Configuration Manager Software

ControlLogix®

October 24, 2023

RELEASE NOTES

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MVI56E-61850C Configuration Manager Release Notes
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October 24 , 2023

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In an effort to conserve paper, ProSoft Technology no longer includes printed manuals with our product shipments. User Manuals, Datasheets, Sample Ladder Files, and Configuration Files are provided at our website: www.prosoft-technology.com

Content Disclaimer

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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

Configuration Manager

Release Version	Release Date	Description
1.02.01	07-May-2024	Changed Installer Version
1.01.052	24-Oct-2023	**New Features** • Implements the Group feature. **Fixed Anomalies** • ctlModel attribute value incorrectly parsed for ABB and Schneider CID files. • Incorrect tag offset assignment for contiguous REAL tags.
1.01.003	25-Feb-2022	**Fixed Anomalies** • BOOL Tag Values Not Updated for Contiguous Sequence of BOOL Tags. • Invalid Bit Specifier Error during L5X Import for Contiguous Sequence of BOOL tags.
1.01.001	30-Sept-2021	Initial Release

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

- None

1.5   Fixed Anomalies

- **ctlModel attribute value incorrectly parsed for ABB and Schneider CID files.**

The ctlModel attribute value for ABB and Schneider CID files were incorrectly parsed which could cause issues during the control operation for these IEDs.

- **Incorrect tag offset assignment for contiguous REAL tags.**

For applications requiring contiguous mapped REAL tags, the data was copied to the incorrect controller tags.

1.6   Known Anomalies

- **Cannot Validate Project with Enum Data Attribute Tag in GOOSE.**

  o 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".
  o 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.**

  o 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.
  o There are no known workarounds for this anomaly.

- **Missing GOOSE Data**

  o If the user maps GOOSE data requiring more than one backplane connection, then there could be GOOSE data which is not mapped to the connections.
  o There are no known workarounds for this anomaly.

- **Duplicated Backplane Mapping Causes Program Export Warning**

    o   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'

    o   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.

    o   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**

    o   This minor alignment anomaly is observed if the displayed string value does not fit into one line.
    o   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**

    o   GOOSE Publish tags cannot be selected through the Data Monitor section of the

    o   There are no workarounds for this anomaly.

- **Only the latest saved project is automatically reopened for multiple AOP instances**

    o   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.
    o   To work around this anomaly, manually open the Configuration Manager project.

- **L5X File Import to Studio 5000 Generates Undefined Tag Name Error**

    o   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.
    o   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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