

MCS Release Note

Product Type: MCS-Config Software Revision: 19.01.43

Release Date: May 26, 2026

Release 19.01.43 - Tuesday, May 26, 2026 Log:

Overall Summary:

- This release introduces expanded PMGR device integration and exposure capabilities across User Logic SI/RO and PMGR configurations, including BACnet and Modbus point mapping support, enhanced operand handling for up to four operands, improved operator cascade visibility, and numerous stability fixes related to operand persistence, loading, synchronization, and UI behavior. Additional refactoring work improves maintainability and resolves VB6 procedure size limitations while improving bounds validation and EEPROM load handling.

Features:

- Added PMGR Device operand types (1–15) to supported control types for Version 19 configurations.
- Added PMGR device operand support to User Defined SI logic.
- Implemented operand 3 and operand 4 loading, visibility management, and PMGR device handling for PMGR configurations.
- Added persistence support for operator_2, operator_3, and PMGR device operands across all four operands.
- Added PMGR device BACnet Analog Value (AV) exposure arrays and initialized minimum PMGR device count handling.
- Added PMGR device BACnet AV grid and PMGR Device Points tab to the BMS Points form.
- Added PMGR device Modbus point exposure arrays and dedicated Modbus grid UI.
- Enabled PMGR device Modbus grid functionality and CSV export integration.
- Added PMGR device BACnet AV grid integration into V19 BACnet CSV exports.
- Expanded BACnet exposure to include PMGR device AV and MSV points.
- Added PMGR operand 3 and operand 4 support to RO configurations.
- Added missing PMGR-related User Defined SI Version 19 functionality.
- Improved BMS Points form layout and visibility handling for PMGR device point tabs and grids.
- Created PMGR Device Type array infrastructure for future combobox support.

Enhancements:

- Improved PMGR operand value assignment alignment with PMGR device controls.
- Enhanced PMGR device operand loading and UI visibility handling for PMGR configurations.

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- Improved BACnet AV grid functionality and visibility management for PMGR device points.
- Enhanced Modbus point display and management capabilities for PMGR device points.
- Improved operand lower-bound persistence handling for PMGR device-related types.
- Improved PMGR device naming readability by increasing BMS Points form column widths.
- Added multi-operator loading and cascading visibility support for PMGR operator configurations.
- Centralized operand control type bounds validation for improved consistency and maintainability.
- Improved Frame4 visibility behavior to align with PMGR operator cascade logic.
- Updated PMGR state naming consistency across BACnet arrays, grids, and gateway displays.
- Improved BACnet AV grid column structure and Modbus data separation handling.
- Enhanced EEPROM loading validation, multiplier handling, and bounds checking for PMGR operand and limit controls.

Patches:

- Corrected Heat Pump Type panel visibility handling during form load and option selection events.
- Initialized default chiller unit type for Air To Water configurations during form load.
- Fixed stale PMGR operand index values causing subscript errors during operand type changes.
- Resolved combo box synchronization, loading, persistence, and display issues for PMGR operands and limits.
- Corrected operand source persistence for lower-bound PMGR device-related types.
- Renamed operand combo boxes for improved readability and consistency.
- Corrected Operand 3 and Operand 4 form loading and validation logic.
- Refactored persistence and form load logic to resolve VB6 64KB procedure size limitations.
- Refactored PMGR configuration loading into modular helper functions.
- Added improved validation handling, numeric checks, and focus management for operand persistence workflows.
- Corrected UI control indexing and load-gap issues affecting EEPROM value initialization and fixed-value handling.