

MCS Release Note

Product Type: MCS-Config Software Revision: 19.01.33

Release Date: February 27, 2026

BETA Release 19.01.33 - Friday, February 27, 2026 Log:

Overall Summary:

- This beta release delivers the most up-to-date V19 BMS Points experience for BMS Gateway Johnson N2 and LonTalk integrations, including BMS Points CSV export and BMS Points printouts.
- This release stabilizes configuration workflows, improves CSV generation accuracy, standardizes LonTalk SNVT type handling, and refines AO/state/alarm mapping to eliminate prior indexing and ordering issues.
- Validation (V19): No errors were found when uploading the configuration file and N2/LonTalk CSV files for HVAC, CENT, and RTU.

Update BMS Gateway DIP Switch Selection:

- Position 1 (S0–S3 OFF) -> N2
- Position 2 (S0 ON; S1–S3 OFF) -> LonTalk

Features:

- Export BMS Points to CSV - Fully updated for all software types
- Built-in Points Printouts - Updated for all software types
- BMS Gateway N2 and Lontalk CSV Generation/Grids/Prints : Updated and validated for HVAC, CENT, and RTU.
- Enabled RTU BMS Gateway configuration controls for both LonTalk and N2 CSV generation.
- Updated LonTalk grids and outputs to align with server-side SNVT standards.
- Standardized SNVT strings across writable gateway points (including SNVT_count_f, SNVT_count_inc_f, SNVT_time_sec).
- Updated BMS Gateway LonTalk grids to display SNVT Type values (replacing client-side legacy IDs).
- Added accurate LonTalk CSV generation for compressor states (server and client side).
- Refactored LonTalk CSV output ordering to better group related configurations and improve consistency.
- More Reliable AO, State, and Alarm Mapping (V19).
- Refactored AO mapping using a dedicated state AO counter to ensure correct object numbering.
- Improved AO sequencing across alarms, unit modes, and other gateway points.
- Standardized alarm grid indexing to 0-based and corrected paired-row processing to prevent skipped or incomplete alarm definitions.
- Improved LonTalk naming consistency to reduce formatting and compatibility issues during generation and display.
- Server/client side BMS CSV points fully synchronized for N2/LonTalk.

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Bug Fixes:

- Corrected V19 LonTalk export error message to reference "Lontalk file" instead of "Jn2 file."
- Fixed network points not printing in V19 LonTalk CSV output (counter and iteration issues).
- Corrected circuit count loop behavior that caused incorrect states to print.
- Fixed BACnet MSV chiller state generation for both LonTalk and N2 outputs.
- Eliminated alarm grid off-by-one issues by standardizing indexing and counters.
- Refactored alarm generation loops to prevent missing rows and incomplete alarm setups.
- Corrected RTU cooling/heating state definitions within the V19 BACnet state array.
- Sanitized N2 chiller state names by removing trailing underscores.
- Added missing V19 client-side state generation required for both N2 and LonTalk CSV creation paths.
- Updated compressor ID chart/print labeling (including correcting the "Steps Delay" state type name).
- Fixed miscellaneous syntax errors.
- Confirmed no CSV/config upload errors when testing BMS Gateway DIP switch combinations (N2 and Lontalk) for HVAC, CENT, and RTU.

Patches

- Refactored V19 LonTalk config generation to correctly iterate server-side circuits and generate expected points.
- Updated LonTalk AV generation to use dynamic offset mapping instead of sequential/hardcoded offsets.
- Adjusted N2 object IDs and internal ordering to maintain consistent and predictable point mapping.
- Refined UI formatting, grid logic, and print layouts to match V19 behavior across software types.
- Increased the width of "Modbus Data Types" columns for SI, RO, and AO grids in the Modbus Points list form for improved readability.

UI Improvements

- Added "MCS-Nitromag" labeling to the writable points grid.
- Improved print report alignment and updated report headers for clearer BMS mapping details.
- Updated BMS Gateway print form behavior and visibility rules for V19 LWC, REFR, and PMGR layouts.
- Added additional space for network names in built-in points printouts.