

Release Note

CABA Local R07D

March, 2021

IMPORTANT NOTICE

Version R07D can only be installed on units with following operating systems:

- Windows 10
- Windows POS Ready
- Windows XP Professional

Windows 2000 and Windows XP Embedded are no longer supported operating systems.
Last release supporting Windows 2000 and Windows XP Embedded is R06D.

New functionality and improvements from previous release R07C:

- Bug fixes
 - RemoteServer.exe will not write log files anymore
 - Log files in D:\HMI\Logs are deleted at installation

CABA Local R07C

March, 2020

IMPORTANT NOTICE

Version R07C can only be installed on units with following operating systems:

- Windows 10
- Windows POS Ready
- Windows XP Professional

Windows 2000 and Windows XP Embedded are no longer supported operating systems.
Last release supporting Windows 2000 and Windows XP Embedded is R06D.

New functionality and improvements from previous release R07B:

- All improvements released in R07A and R07B
- Improvement in calculated parameters:
 - New parameter: Sum of resistances in all contacts in a phase
 - 8 new parameters presenting speed calculation coordinates at close and open operations

- 4 new parameters for different damping calculations
- 2 new parameters for average coil current at close and open operations
- 2 new parameters for average control voltage for close and open operations
- New parameter for average spring charge motor current
- New parameter for max difference in close-open time between phases at open-close-open operation
- New parameter for stroke at first opening in an open-close-open operation
- 2 new parameters for shortest penetration among contacts in a phase
- Bug fixes in parameter calculations
 - Improved parameter #503 (spring charge motor run time) so that it works even if the sum of three motor currents are measured
 - Parameter #208 and #252 (reaction time at open and close operation) now considers pre trig time
 - Improvements of VDS timing parameters #536 and #537. Note, works only on 50 Hz.
 - Improvements of 1:st trip timing parameters #538 and #539. Note, works only on 50 Hz.
 - Improvements in 1:st trip control voltage parameters #404, #405, #453, #454, #455 and #456
 - Improvements of 1:st trip coil current analysis parameters #520 - #525 and #530 - #535

CABA Local R07B

May, 2019

IMPORTANT NOTICE

Version R07B can only be installed on units with Windows 10 Operating System

New functionality and improvements from previous release

R07A:

- The algorithm for parameter #400 (SRM value) automatically deducts ground loop current (if measured) in the resistance calculation.

CABA Local R07A

December, 2018

IMPORTANT NOTICE

Version R07A can only be installed on units with Windows 10 Operating System

New functionality and improvements from previous release

R06D:

- Supported languages: English, French, German, Spanish, Swedish, Russian, Polish, Czech and **Turkish**
- Algorithm for parameter 408 and 409 (PIR value) corrected
- Improved upgrade procedure
 - No need of switching off disk protection

CABA Local R06D

January, 2018

New functionality and improvements from previous release

R06C:

- Supported languages: English, French, German, Spanish, Swedish, Russian, **Polish** and **Czech**
- Expanded Template library with pre-installed breaker templates
 - 126 Generic templates
 - 102 Breaker specific templates
 - 8 Verification templates
- Improvements in transducer definition and calibration
 - It is possible to define an angle or motion transducer only by introducing the electrical angular span or electrical length
 - Calibration of resistive angular or distance transducers can be performed at any reference voltage
- New calculated parameters:
 - 12 parameters for coil current analysis at 1:st trip test
 - 4 parameters for battery voltage analysis at 1:st trip test
 - 2 parameters for main contact detection via CT secondary at 1:st trip test
 - 2 parameters for main contact detection via VDS interface (Please note: Algorithm in “prototype stage”, could be sensitive to disturbances on the AC-graph)
 - 6 new parameters for auxiliary contact timing catching first touch and last separation
- Bug fixes in parameter calculations
 - Fixed that Rebound parameter is returning wrong value if there is no overtravel

- Fixed that Peak current parameter is giving erroneous value at disturbances
- Fixed that Motor run time parameter giving wrong results in certain cases
- Fixed error in SRM parameter value at short measurement time and pre trig

- Bug fixes in graph calculations
 - Improved indication of Auxiliary contact opening based on coil current analysis
 - Resolution problem at constant conversion factor, angle to distance, fixed
 - “Saturation” problem of velocity graph fixed
- Bug fixes in reporting
 - Parameters are now presented equally in CABA Ana and the report with regards to the number of decimals
 - Export of sample values (cursor data) to .csv now works also when there is pre-trig time
 - The last graph’s sample values (cursor data) is now exported to .csv correctly
- Other bug fixes and improvements:
 - New feature: “Auto-save options” in CABA Ana under the “Layout” menu
 - Improved validation and repair of damaged / incomplete breakers (e.g. missing measpref.spc)
 - Date and Time format are now saved with Windows SteadyState activated
 - Default printer selection is now saved with Windows SteadyState activated
 - Allocation of auxiliary contact channel to control module is improved at phase by phase testing
 - Control pulses are now generated also for phase B and C at phase by phase testing
 - It is possible to scroll from Breaker list to Analyzer view also for non-editable breakers

Known deviation:

Switching to and from Russian language requires that you **first deactivate Windows SteadyState Hard Disk Protection** (Refer to separate application note “How to change language to and from Russian on TM1700 / TM1800 with Windows Steady State activated” Part No. ZR-CG02E Doc.No. CG034739AE)

CABA Local R06C

December, 2016

New functionality and improvements from previous release

R06B:

- Corrected bug that change in Time zone was not saved when Windows SteadyState disc protection was activated

Deviations:

Below actions require that you **first deactivate Windows SteadyState Hard Disk Protection** (Refer to the Installation instruction for how to turn off the hard disk protection.)

- Switching to and from Russian language
- Changing Date format
- Changing Time format
- Changing Default printer

CABA Local R06B

March, 2016

New functionality and improvements from previous release

R06A:

- Improved system stability by enabling locking of hard drive (Windows SteadyState) also on TM17/1800 with screen
- Reading of breaker list has been improved so that HMI will not crash due to corrupted data in the list
- New calculated parameters:
 - Spring charge motor peak current (#502)
 - Spring charge motor run time (#503)
 - Spring charge motor peak power (#504)
- Extended functionality for Overtravel parameters (#25, #26, #236, #237, #425, #426, #436, #437): Negative overtravel can now be displayed
- Extended functionality for Rebound parameters (#51, #52, #451, #452): Now works even if there is no overtravel
- Data loss issue when importing from .arc file solved
- O-CO operation can now be performed as initial motion measurement using relative measurement method

- Corrected problem with too big Layout settings dialogue (Cabaana, Advanced analyze tool) on TM1800 with Win XP Embedded
- Corrected channel allocation so that Motor current is measured on analogue channel instead of Control channel
- Fixed issue with DsDriver so that it is compatible with Windows XP Embedded environment
- Corrected SDRM generic templates; Now possible to switch between analogue and digital transducers
- All Generic templates containing SDRM has been corrected so that it is possible to switch between Analogue and Digital motion transducer

Deviations:

Below actions require that you **first deactivate Windows SteadyState Hard Disk Protection** (Refer to the Installation instruction for how to turn off the hard disk protection.)

- Switching to and from Russian language
- Changing Time zone
- Changing Date format
- Changing Time format
- Changing Default printer

CABA Local R06A

November, 2013

New functionality and improvements from previous release R05C:

- Support for new generation of TM1800 modules.
- Correction of bug: Scale correction factors were applied twice for measurements on Analog channel
- Correction of bug in Amazaana (Normal analyze tool): Graph colours changed to red and black after making Close, Open and Close-open recordings on a MAX_CONFIG_TEMPLATE breaker
- Corrected Control voltage measurement in SDRM 3-phase template for 1 break/phase (Template No -108)
- Updated "Verification templates" for Control module

- Updated “Manual verification instruction” and added “Manual verification test report”
- Improved “TM1800 Update manager” and “TM1800 Startup Manager”: The messages regarding “TM1800 Update Manager.exe” that pops up during automatic upgrade will disappear next time upgrading is performed. Please note that to benefit from this improvement you have to proceed as follows during the automatic upgrade: Once the pop-up dialog appears, press Ctrl-Alt-Del, go to *Processes* tab, mark “TM1800 Update Manager.exe” and click *End process*, then click *Yes*. Close the Task manager and click “Retry” in the pop-up dialog.

CABA Local R05C

June, 2013

New functionality and improvements from previous release, R04C, R04D & R05A:

- Full support for remote measurement conducted from CABA Win R04C
- Improved handling of graph and display settings:
 - Global layout settings as default
 - Layout is always saved on exiting
 - Future tests will benefit from layout changes done in earlier test
- Correction of bug: Changes in Speed calculation point settings in test level don't get propagated to breaker level (and further to next created test)
- Correction of bug: Resistance graphs from Auxiliary contacts cannot be permanently turned off in the graphic view
- Correction of bug: Analogue graphs related to b-contact on imported, translated “CABA Win breakers” cannot be permanently turned off in the graphic view
- Operation O-CO can now be performed as first operation in a measurement session
- Corrected default delay times for multiple operation sequences
- Trig-in settings can be assigned to individual operations

- Implementation of dynamic filters with regards to sampling rate on Velocity and Acceleration graphs
- Dynamic ranges implemented for calculated Resistance graphs
- Correction of bug: Speed calculation points not displayed at open operation and upper point definition “At contact separation”
- Correction of bug: Speed calculation points displayed at the same instant on all three phases
- Correction of bug: Time parameters cannot represent finest resolution (25 μ s)
- Correction of bug: Coil resistance parameters (406 / 407) are not calculated
- Bug corrections: Issues with screen settings in CABA Ana:
 - Not possible to store x-offset with decimal
 - Not possible to store layout with negative offset
 - CABA Ana shuts down when zooming out
 - Not possible to scroll to negative values using the scroll bar
- Two more generic templates for first trip measurement

CABA Local R04C

May, 2011

NOTE: This release is only internal since problem with upgrade procedure is not solved yet.

New functionality and improvements from previous release, R04B:

- New firmware for the Timing AUX module: “Acknowledge false”-message at start up and problem with intermittent functioning Timing AUX channels solved.

CABA Local R04B

October, 2010

New functionality and improvements from previous release,
R04A:

- Russian language support. **Note:** Russian language only works on TM1800 with operative system Microsoft Windows XP Professional Version 2002 Service Pack 3 or Windows 2000 Service Pack 4.
- Improved algorithm for calculating value of Pre Insertion Resistor (Implemented in R04A but not written in release note)
- Bug fix: Report templates are changed every time language is changed
- Bug fix: Test notes can be edited

CABA Local R04A

May, 2010

New functionality and improvements from previous release,
R03G:

- Timing of Siemens breakers having silver/graphite contact system (e.g. 3AQ, 3AT)
- Data file (.arc) size reduced with 50%
- 19 new timing parameters for multiple operations
- Improved compatibility with old CABA Win/TM1600/EGIL test plans regarding coil current measurement
- 15 generic templates for Siemens silver/graphite breakers
- 8 generic templates for DRM/SRM with multiple current sources (SDRM201/202)
- 2 generic templates for first trip test
- 6 generic templates for Manual verification of TM1800 channels

CABA Local R03G

March, 2009

New functionality and improvements:

- Size of exported breaker data file (.arc) reduced by 50%

CABA Local R03F

March, 2008

New functionality and improvements:

- Static Resistance Measurement, SRM, capability with full user friendliness.
- Correction of the “Acknowledge False” issue.

To make an SRM microohm measurement you activate Static Resistance (SRM) under Resistance in Breaker View. A special directory, SRM, is created for new tests under your Breaker in the Breaker List. The SRM value is available as a parameter and also present on the graphical window. As current source for the SRM measurement DRM1800, Mjölner 200 or Mjölner 600 can be used.

Under special conditions a few users has experienced problems with an “Acknowledge False” dialogue window appearing during measurement and the need to reboot TM1800. The cause for this problem has now been eliminated.

CABA Local R03E

New functionality and improvements:

- Capability for online testing of circuit breaker. Multiple operation O-C can be performed as the first operation.
- Users Manual in PDF is replacing earlier user manual.
- Enhanced Active Interference Algorithm for Timing M/R.

CABA Local R03D

New functionality and improvements implemented from previous release, R03C

- Timing M/R module, old (\leq R100A) and new (\geq R101A), identification with message of incompatibility.
- CBEX Compatibility, step 1.
- Stream lined translation of language.

CABA Local R03C

New functionality and improvements implemented from previous release, R03B

- SW support for DualGroundTM timing measurement of circuit breakers using DCM module.
- Stream lined translation of language.

CABA Local R03B

New functionality and improvements implemented from previous release, R02K

- Provided support for five languages – English, Swedish, German, French and Spanish – in the user interface of TM1800.
- User Manual is available in five languages – English, Swedish, German, French and Spanish. The User Manuals is available on the CD.
- CABA Local R03B is required for full functionality of DRM1800.
- Provided compatibility for CABA DOS Breakers data.
- Provided MS Word support to create reports.

CABA Local version R02I

General

This release note is issued in accordance with GE Programma's quality procedures in respect of the release of newly designed products.

We encourage our Customers to communicate any issue or problem encountered with the use of this equipment as we are continuously improving the operation concept of the TM1800, therefore all your comments and suggestions are important to us. Please feel free to contact the following individuals.

Per Wennersten	Product Manager	per.wennersten@ps.ge.com
Romain Douib	Customer Service Manager	romain.douib@ps.ge.com

Improvements implemented from previous release, R02H

- Support for German language. (Note: First release, excluding user documentation)

After installation you can select between English and German under System Settings" tab by pressing button next to "Language". After changing language system has to be re-started by "ON/OFF" button on front panel.

Deviations

GE Energy, Programma is in the process of finalizing all of the outstanding issues on this product. Due to our continual improvement process all implemented functions will become available in due course. Software updates will be provided to all owners of the TM1800 through the technical support site, *GE Energy Technical Support*.