

Read Me MET/CAL 9.0.0

This section includes a list of modifications to MET/CAL 9.0 relative to MET/CAL 8.3.2. This version of MET/CAL is compatible with MET/TEAM only.

What's new in version 9.0?

- All new MET/CAL Runtime interface with an updated, modern look and feel.
 - Provides a workflow for configuring the test station, setting up a calibration, and running the calibration.
 - Export test results to a CSV file for analysis outside of MET/CAL
 - Integration with MET/TEAM asset manager
 - Control procedure selection by type of DUT, as-defined within MET/TEAM.
 - Reduced program access time by improving the login process for MET/CAL Runtime and MET/CAL Editor.
 - User Group based security
 - Security similar to MET/TEAM user interface.
 - Configure access to MET/CAL Runtime user interface controls based on user roles.
 - Administrator can control who can configure the test station, who can setup a calibration, and who can run a calibration.
 - MET/CAL Editor interface improvements provide users with an updated, modern look and feel for features tied to the MET/CAL Runtime, namely test results data and configuration options.
- Significantly improved performance when writing MET/CAL Runtime results to MET/TEAM.
- Updated MET/CAL Help System
 - Includes documentation on new MET/CAL Runtime and MET/CAL Editor interface.
 - Updated Table of Contents for easier navigation, making it easier to find application and feature information.
 - Removed redundant material and consolidated several topics.
 - Updated searching and cross-linking to related topics.
 - Brand new Tutorials section

This release of MET/CAL only supports English. Support for other languages will be added in the future.

MET/CAL Runtime and MET/CAL Editor Changes

Issue	Type	Description
MCR-888	FIX	Resolved an issue that prevented characters such as the ohms symbol from appearing correctly in the Test Results window.

Issue	Type	Description
MCR-1563	FIX	Addressed an issue where running the same PXE multiple times in a row without closing the runtime between runs may yield an erroneous validation error message.
MCR-1709	FIX	Addressed a font initialization error in module win (E2372).
MCR-1951	ADDED	Added Portuguese to the language selection options on the MET/CAL installation. Set the UI language to use based on this selection.
MCR-2003	FIX	Unicode characters embedded in a procedure will always display properly when the procedure is ran.
MCR-2108	CHANGE	Updated the DELAY special construction documentation for the following FSCs: DISP, EVAL, HEAD, IEEE, IEEE2, SCPI, MEMI, OPBR, PORT, RESET, RSLT, SET, VISA, and WAIT.
MCR-2110	FIX	Fixed a bug with the work order screen not closing the embedded browser when applicable.
MCR-2165	FIX	Resolved an issue with MCRHT.EXE that was preventing full error message text from being displayed.
MCR-2168	FIX	Resolved an issue that prevented the pre-prompt and post-prompt dialogs from being suppressed when the prompt, pass_prompt and/or fail_prompt settings were set to "None".
MCR-2274	FIX	When a 96270A FSC statement is executed that includes PowerSensor1 and/or PowerSensor2, the asset of the configured power sensor(s) is included as a standard in the work order.
MCR-2281	FIX	Significantly improved performance when writing MET/CAL Runtime results to MET/TEAM.
MCR-2315	FIX	Resolved an issue that would crash MET/CAL Runtime or MET/CAL Editor when trying to delete a variable using MATH DEL(var)
MCR-2319	FIX	Resolved an issue where the Please Wait window did not close if an exception occurred when starting a procedure.
MCR-2328	ADDED	Added a refresh/reload button to the upper left corner of the embedded browser window (except on Sign In window).

Issue	Type	Description
MCE-693	FIX	Fixed an unhandled exception error when attempting a test run in the MET/CAL Editor with the MET/CAL Runtime open.
MCE-691	FIX	Addressed an issue with error messages related to procedure sectioning where the referenced file may not be shown correctly in the error window.
MCE-677	FIX	Resolved an issue that allowed breakpoints on header, blank, and comment lines. Resolved an issue that prevented toggling breakpoints during a Test Run using Ctrl+B. Resolved an issue that was causing invalid breakpoints to appear in procedure files that were not in a project.
MCE-663	FIX	Resolved an issue creating the URL protocol handler during installation on Windows 8 and later operating systems.
MCE-662	FIX	An EPM FSC statement with Frequencych value taken from a register or name variable will now compile without error.
MCE-643	FIX	9500 amplitude is now correctly converted from Vrms and Vp to Vpp for accuracy lookup when MOD2 = SQ, ZQ, and ZN.
MCE-642	FIX	The 9500 driver now correctly converts from Vrms and Vp to Vpp when MOD2 is SQ, ZQ, and ZN.
MCE-641	FIX	9500 amplitude is now correctly converted from Vrms and Vp to Vpp when MOD2 = SQ, ZQ, and ZN.
MCE-639	FIX	Fixed upper limit for Volts LR in 5080a.acc accuracy file.
MCE-638	FIX	Fixed lower limit for MOD1 in 4950.acc accuracy file.
MCE-637	FIX	Fixed lower limit for E9300H Power Sensors in 4418.acc and 4419.acc accuracy files.
MCE-636	FIX	Fixed lower limit for E4412A and E4113A Power Sensors in 4418.acc and 4419.acc accuracy files.
MCE-635	FIX	Fixed lower limit for Hertz D4 in 4050.acc accuracy file.
MCE-634	FIX	Added 5 kHz to 10 kHz specification for mode Amps Medium to 4050.acc accuracy file.

Issue	Type	Description
MCE-633	FIX	Added 5 kHz to 10 kHz specification for mode Amps Medium to 4040.acc accuracy file.
MCE-632	FIX	Fixed resolution for 10MOhm E 2W in 1281.acc and 1281_95.1yr accuracy files.
MCE-631	FIX	Fixed resolution for 10V E in 1281.acc and 1281_95.1yr accuracy files.
MCE-630	FIX	The 9500 driver now correctly converted from Vrms to Vpp for the following functions: Voltage, Edge, Fast Edge, Leveled Sine
MCE-629	FIX	9500 accuracy file lookup modes are now correctly generated when Nominal units are Ap or Vpp for the following functions: Current, Voltage, Edge, Fast Edge, Leveled Sine
MCE-628	FIX	9500 amplitude is now correctly converted from Vrms to Vpp for limits checking for the following functions: Voltage, Edge, Fast Edge, Leveled Sine
MCE-627	FIX	9500 amplitude is now correctly converted from Vrms to Vpp for accuracy lookup for the following functions: Voltage, Edge, Fast Edge, Leveled Sine
MCE-626	FIX	8901 statements with Nominal units of 'D' dBm and MOD3 = TL (Tuned RF Level) are now checked against the correct limits of the instrument (-20 dBm to +30 dBm).
MCE-625	FIX	M8902 statement with MOD3 = L1 paired with a 8902 statement with MOD3 = AF no longer generates an accuracy file lookup error.
MCE-624	FIX	8902 frequency statements with MOD1 > 3 V no longer generate an accuracy file lookup error.
MCE-622	FIX	8505 statements with voltage or current in the Nominal field and MOD3 = FE n longer causes an accuracy lookup error.
MCE-621	FIX	395 statements with MOD1 > 5 Vpp no longer generate an accuracy lookup error.
MCE-620	FIX	Unspec'd readings in the range -1E-13 to +1E-13 will no longer generate an accuracy lookup error.

Issue	Type	Description
MCE-619	FIX	Unspec'd readings in the range -1E-13 to +1E-13 will no longer generate an accuracy lookup error.
MCE-618	FIX	The 5820A AC Current Output is now correctly converted for accuracy file lookup when Nominal units are amps peak (Ap).
MCE-613	FIX	Long 6100, 6100B, and 6105A statements that exceed the maximum number of continued lines, now generate: "E203: fsc FSC: Continued statement too long."
MCE-598	FIX	Resolved an issue when compiling a procedure in the Editor that caused actual errors to be reported as warnings when preceded by a warning about a statement exceeding the legacy line length limit.
MCE-573	FIX	COM5502A and COM5502E added to PORT FSC help topic.
MCE-554	ADDED	Updated the 5730A accuracy files to support 50 MHz Wideband ACV option.
MTM-5467	CHANGE	The MET/TEAM Server installer handles merging the contents of the libraryfsc.xml and datatypemap.xml files on the server with the same files being deployed by the installer. These files are used by the Library (LIB) FSC.
MCR-2337	FIX	MET/CAL now stores the TUR in PointExNumerics.nField030 as well, so that it can be accessed as a numeric value.
MCR-2328	CHANGE	Added a refresh/reload button to the upper left corner of the embedded browser window (except on Sign In window).
MCR-2293	FIX	Addressed an issue with the TUR display when running from the MET/CAL Editor with an instrument that returns an overload condition, which may lead to an abnormal termination of the MET/CAL Editor.
MCR-2284	FIX	Addressed an issue with calibration results stored in the MET/TEAM database, where the determined format to use may render a value as an integer, when it should have been formatted as an exponential value with five or more digits after the decimal.
MCE-703	FIX	When intending to use extended character data in the MET/CAL Editor, source files created outside of the Editor must have the UTF-8 byte order mark.

