MET/CAL 10.5.0 README

This document includes information related to MET/CAL 10.5.0 relative to version 10.4.0. This version of MET/CAL is compatible with MET/CONNECT version 2.0.0 and MET/TEAM version 3.1.0.

WHAT'S NEW IN VERSION 10.5.0?

- Offline installer packages are now included for the Microsoft Visual Studio 2015 Update 3 prerequisite.
- MET/CAL dialogs have been updated to match the look and feel of the application.
- The Instrument Configuration view was updated with a completely new design and additional features.
- The config.dat file structure was replaced by the instrument_configuration.json file to support future enhancements to instrument control.
- A live count of test results was added to the Run tab and the formatting in the test results window was updated to clarify which test results are "active" and will be added to the database (and are included in the counts) and which will not.
- A system default was added in MET/TEAM to disable to automatic downloading/overwriting of the configuration files.
- For a complete list of issues resolved, see the table below.

MET/CAL 10.5.0 DISTRIBUTION

Note: MET/CAL version 10.5.0 is compatible with MET/CONNECT version 2.0.0 and with MET/TEAM version 3.1.0. Attempting to use it with earlier versions of MET/CONNECT and MET/TEAM will result in an error at attempted login.

The MET/CAL Client version 10.5.0 installer for MET/TEAM is distributed with MET/TEAM v3.1.0. The installer files are deployed to the MET/TEAM server's shared folder (typically found locally on the server at C:\Program Files (x86)\Fluke\METTEAM\Installers\METCAL or at \\<your_server>\metteam\Installers\METCAL) when the MET/TEAM Server installer is run so that all MET/CAL workstations have access to it.

The MET/CAL Client version 10.5.0 installer for MET/CONNECT is distributed independent of MET/CONNECT version 2.0.0. The installer files must be downloaded and extracted to the MET/CONNECT server's shared folder (typically found locally on the server at C:\Program Files (x86)\Fluke\METCONNECT\Installers\METCAL or at \\<your_server>\metconnect\Installers\METCAL). These installer files should replace the MET/CAL installer files in this folder that were originally deployed by the MET/CONNECT Server installer so that all MET/CAL workstations have access to it.

> **NOTE:** The Microsoft Visual Studio 2015 Update 3 prerequisite (required by MET/CAL Editor) now includes the offline installer packages so that no internet connection is required for installation.

The MET/CAL Client installer must be run on all MET/CAL workstations to perform an update to version 10.5.0. The installer can also be used to set up new MET/CAL workstations.

MET/CAL 10.5.0 CHANGES

Key	Type	Description
MC-1226	ADDED	A system default was added to ignore the time when checking if an asset is in calibration from MET/CAL.
MC-4022	ADDED	Added the Rohde & Schwarz NRP-Z55.02 power sensor to the 96270A FSC.
MC-4207	ADDED	When running a sectioned procedure, the standards required for each section are now tracked and standards no longer referenced will be removed from the work order when a data set from a particular section is deleted from the results.
MC-4310	ADDED	Added an option to MET/CAL with MET/TEAM to prompt for notes that are stored with each Work Order Result record.
MC-4361	ADDED	Test result counts now shown in the MET/CAL Runtime application while a procedure executes.
MC-4371	ADDED	Added the Agilent 53230A to the default user_config_instr.ini file.
MC-5255	ADDED	A new property was added to MET/CAL Editor projects called, "Minimum Version Required" and is displayed in the Procedure Information section when a procedure is selected in MET/CAL Runtime. This property is only informational at this time, but is intended to contain a version value such as "10.4" or "8.3", indicating the minimum version of MET/CAL required to execute this procedure.
MC-3322	CHANGED	Update the MET/CAL Chromium embedded browser to version 93.1
MC-3371	CHANGED	Formatted the date/time in the LAST LOGIN column on the Manage Licenses dialog appropriately.

Key	Type	Description
MC-3434	CHANGED	The width of the procedure information, results counter, and procedure progress column on the RUN tab is now remembered between sessions of MET/CAL Runtime usage.
MC-3515	CHANGED	Changed the behavior of the Test Run Status area of the MET/CAL Runtime to be more consistent with the rest of the application.
MC-3808 MC-3817 MC-3835 MC-3844 MC-3853 MC-3862 MC-3871 MC-3880 MC-3889 MC-3898 MC-3907 MC-3916 MC-3925 MC-3934 MC-3943 MC-3952 MC-3961 MC-3970 MC-3979 MC-3988 MC-4880 MC-4890 MC-5384 MC-5394	CHANGED	Many new instrument configuration dialogs have been updated to match the look and feel of the application.
MC-4124	CHANGED	Removed the use of an attached config*.dat file when compiling procedures. When converting a proc.dir to a PXE/project, it is no longer necessary to generate a config.dat and attach it to the project when specific FSCs are used.
MC-4270	CHANGED	Updated MET/CAL Editor configuration to use TLS v1.2 when communicating with secure MET/TEAM servers.

Key	Type	Description
MC-4401	CHANGED	Updated the publish process in MET/CAL Editor to never add the workstation's instrument configuration file to a project's .ZIP archive.
MC-4411	CHANGED	Updated the Agilent 53xxx FSC code to not require a configuration file to be attached to the procedure project.
MC-4431	CHANGED	Updated the Datron 9500 FSC code to not require a configuration file to be attached to the procedure project.
MC-4441	CHANGED	Updated the Fluke 5200A FSC code to not require a configuration file to be attached to the procedure project.
MC-4451	CHANGED	Updated the Fluke 5440B FSC code to not require a configuration file to be attached to the procedure project.
MC-4461	CHANGED	Updated the Fluke 5500A/5502A/5502E/5520A/5522A/5800A/5820A FSC code to not require a configuration file to be attached to the procedure project.
MC-4471	CHANGED	Updated the Phillips PM 6666 FSC code to not require a configuration file to be attached to the procedure project.
MC-4481	CHANGED	Updated the Phillips PM 6680/6681 FSC code to not require a configuration file to be attached to the procedure project.
MC-4491	CHANGED	Updated the Phillips PM 6685 FSC code to not require a configuration file to be attached to the procedure project.
MC-4501	CHANGED	Updated the Phillips PM 6690 FSC code to not require a configuration file to be attached to the procedure project.
MC-4511	CHANGED	Updated the HP 3325B FSC code to not require a configuration file to be attached to the procedure project.
MC-4521	CHANGED	Updated the HP 3458A FSC code to not require a configuration file to be attached to the procedure project.

Key	Type	Description
MC-4531	CHANGED	Updated the Fluke 5100B/8506A FSC code to not require a configuration file to be attached to the procedure project.
MC-4541	CHANGED	Updated the Fluke 5700A/5720A FSC code to not require a configuration file to be attached to the procedure project.
MC-4971	CHANGED	Changed the INI function of the MATH FSC to retrieve the frequency reference values from the new instrument configuration file.
MC-5181	CHANGED	Updated the Datron 9100 FSC code to not require a configuration file to be attached to the procedure project.
MC-5545	CHANGED	Removed the ability to define a modifier with the @ symbol added to the parameter name in the EPM FSC since it does not support Slewing.
MC-5605	CHANGED	The Required Instruments prompt was updated to combine the 3 separate groups of instruments into a single list.
MC-5836	CHANGED	Added TLS settings check to MET/CAL Client installer
MC-202	FIXED	Resolved an issue where the lower bound was not properly updated in a correction file.
MC-3002	FIXED	Resolved an issue where the PROC function of the MATH FSC always returned the last procedure instrument line instead of the one selected.
MC-3067	FIXED	Resolved an issue that caused some extended characters to be displayed incorrectly in some areas of the software and written to the database incorrectly.
MC-3362	FIXED	Resolved an issue where 5502E FSC statements with Frequency as the evaluation quantity would not compile.
MC-3380	FIXED	Resolved an issue that prevented the SCPI and VISASC FSCs from properly handling an Error Available (EAV) condition.

Key	Type	Description
MC-3771	FIXED	Resolved an issue that prevented the Datron 9500 from being properly configured with asset numbers for the active heads.
MC-4043	FIXED	Corrected the confidence level in the 5790A accuracy files (from 3 to 2.58).
MC-4166	FIXED	Resolved an issue where the 5502A and 5502E falsely required a current coil to be configured.
MC-4176	FIXED	Resolved an issue with incorrect test pass/fail calculation when the calculated error is 100% of the tolerance.
MC-4186	FIXED	Resolved an issue where a long remark (added from the Post Test Summary window) would cause the application to crash.
MC-4196	FIXED	Resolved an issue that prevented the IEEE2 and SCPI FSCs from working as expected in Simulation mode.
MC-4227	FIXED	Resolved an issue with HEAD FSC statements not properly handling delay special constructions
MC-4237	FIXED	The location of the editor_YYYYMMDD.log file was updated to match all other log files
MC-4280	FIXED	Resolved an issue displaying the Please Wait window when uploading PXEs to MET/TEAM when the Accuracy Check option is enabled
MC-4321	FIXED	Resolved an issue that prevented the VISA2 and VISASC FSCs from working properly in simulation mode.
MC-4341	FIXED	Auxiliary manual devices can be configured properly in the new UI format
MC-4351	FIXED	Resolved an issue that prevented the N5531S FSC from working correctly.

Key	Type	Description
MC-4381	FIXED	Resolved an issue that caused the calculated error reported in MET/CAL Runtime to not match the value recorded in the database in some cases. The value in the database was correct, and the value displayed in the Runtime now matches this calculation.
MC-4611	FIXED	Resolved an issue when the Editor would attempt to display the Please Wait window.
MC-4643	FIXED	Resolved an issue with the Please Wait window that would occasionally cause exceptions to occur.
MC-4653	FIXED	Restored Copy and Paste options in Solution Explorer context menus
MC-4675	FIXED	Resolved an issue where the MET/CAL procedure associated with an asset was not being automatically selected when the asset was selected when running in MET/TEAM.
MC-4778	FIXED	Restored the Advanced Save Options item in the File menu.
MC-4808	FIXED	Resolved an issue that prevented the VISA-family of FSCs from correctly handling error messages.
MC-4951	FIXED	Resolved an issue that prevented the MET/CAL Editor Configuration from being edited.
MC-5052	FIXED	Resolved an issue where the alias "901" was added to a configured Philips PM 6685 instead of "905."
MC-5324	FIXED	Resolved an issue that prevented the 6100 FSC from being used in Simulation Mode when the Energy Counter option was configured.
MC-5334	FIXED	Resolved an issue with the 6100B FSC causing incorrect CONFIGURATION lines when using the 80A current option.
MC-5344	FIXED	Resolved an issue that prevented the 9100 Opt 200 Coil from being displayed as a required instrument with the 610X series FSCs.

Key	Type	Description
MC-5364	FIXED	Resolved an issue that prevented the 4418 and 4419 FSCs from working in Simulation Mode.
MC-5374	FIXED	Corrected the error message that was displayed when attempting to configure a pressure module without a calibrator already configured.
MC-5465	FIXED	Resolved an issue that incorrectly counted LEMO-connected devices in the total of IEEE instruments.
MC-5595	FIXED	Resolved an issue that prevented the reference accuracy from being calculated in the EPM FSC when paired with a MEMC/MEMCX evaluation and no asset number is configured.
MC-5625	FIXED	Resolved an issue where it was possible to delete a calibrator with pressure modules still configured as attached to it.
MC-5814	FIXED	Resolved issues with MET/CAL when using a secure MET/TEAM website.