

## **MET/CAL® Revision Control Software (MRCS) Cal Lab Solutions**

*Revision Control Software for MET/CAL® (MRCS) is a revision control application specifically designed to work with Fluke's MET/CAL® Platform. MRCS provides MET/CAL® users and developers the ability to track all of the historical changes to files associated with a procedure. In addition MRCS provides as a medium for deploying the most current version of a procedure and a set of backend tools to track procedures in development.*

### **The Challenges of Maintaining Many MET/CAL® Procedures**

Calibration labs maintaining many MET/CAL® procedures face significant challenges that can cost the business both time and money.

Disorganization of Procedures: When maintaining many procedures, organization becomes difficult. Searching for files or procedures takes time due to the lack of a proper procedure browser.

Difficulties in Tracking Revisions: Adding new revisions of files or procedures can lead to suboptimal solutions such as back up files, back up directories, and convoluted naming schemes. It becomes increasingly complicated to find anything but the most recent revision of a file.

Recovering from Editing Mistakes: If a file is edited and changed without being backed up, then there is no way to revert the changes without replacing the file with a copy of the original.

### **A Solution for Procedure Maintenance**

A revision control system solution provides organization, revision tracking, and recoverability. Combining a browser with the ability to drill down to a specific project, workstation, or manufacturer provides an easy way select a specific revision of a procedure and launch the MET/CAL® system.

If a new revision of a file is developed, it can quickly be imported into the system and made available to technicians. If a revision is determined to have faults, it can be rolled back to a previous known working revision and marked as unavailable. Procedures in development can also be branched off of the main procedure until they are determined stable.

## **Key Features of the MET/CAL® Revision Control Software**

Historical Change Tracking: With historical change tracking of procedures, managers can quickly see who made changes to a procedure, what the changes were, and when the changes were made.

Sharing Files over Several Projects: MRCS provides the ability to use a single file across multiple projects. This avoids the problem of maintaining many copies of the same file and keeping changes to that file synchronized across copies.

Locking in A Revision: Once a particular revision of a file is determined to be stable, it can be locked in to a specific project such that the project will only use that file, even if newer revisions are available.

Launching the MET/CAL® System: Once a procedure is located in the browser, a single click will launch the MET/CAL® system and load all required files to run the procedure.

Browsing Procedures: Procedures and files can be located with a convenient browser. The user is able to drill down by project, manufacturer, workstation, and file.

Revision Branching: It is easy to branch a particular revision of a file for development without disturbing any procedures that are tracking that file. Once development is complete, the new branch can be merged back into the stable branch and all procedures that are using the file (and not locked to a specific revision) will seamlessly pick up the changes.

Remote and Standard Operating Modes: MRCS can access files that are kept locally, on the workstation running MET/CAL®, or remotely over the network.

## **Conclusion**

For calibration labs that maintain many MET/CAL® procedures, the MET/CAL® Revision Control Software provides an optimal solution that saves time when browsing, maintaining, and editing MET/CAL® procedures. By reducing time spent in these maintenance processes, MRCS increases the amount of time available to a technician for running the calibration procedures.

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