

Micro Control Systems

APPLICATION NOTE

APP-091

MCS-Connect

Extended History Saving on an MCS-Touch-PC

Revision History

Date	Author	Description
03/28/2014	Will Powell	Created Application Note
03/31/2014	Ray Jaramillo	Added Comments for revisions
04/04/2014	Will Powell	Added Lock/Relock Instructions
04/14/2014	Will Powell	Minor grammatical changes

Extended History Saving Overview

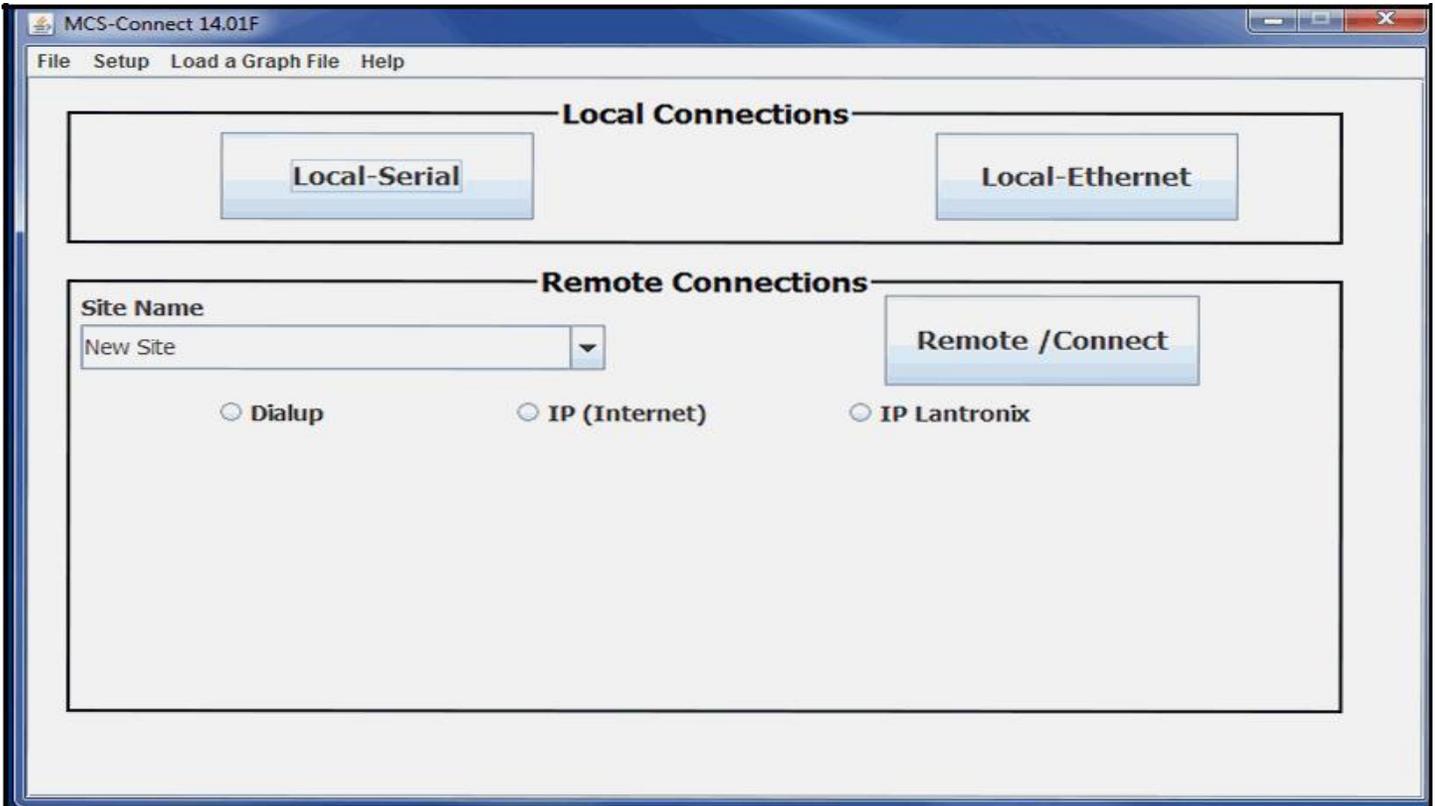


The MCS-Touch is capable of saving Offline History Files containing detailed operational data when connected to the MCS-Magnum or MicroMag. Extended History Saving can be set to active when the MCS-Touch is in idle mode and will create a new history file for every 16 minutes of operation.

The Extended History Saving feature is ideal for troubleshooting and general operation monitoring purposes.

Configuring the History Saving Interval

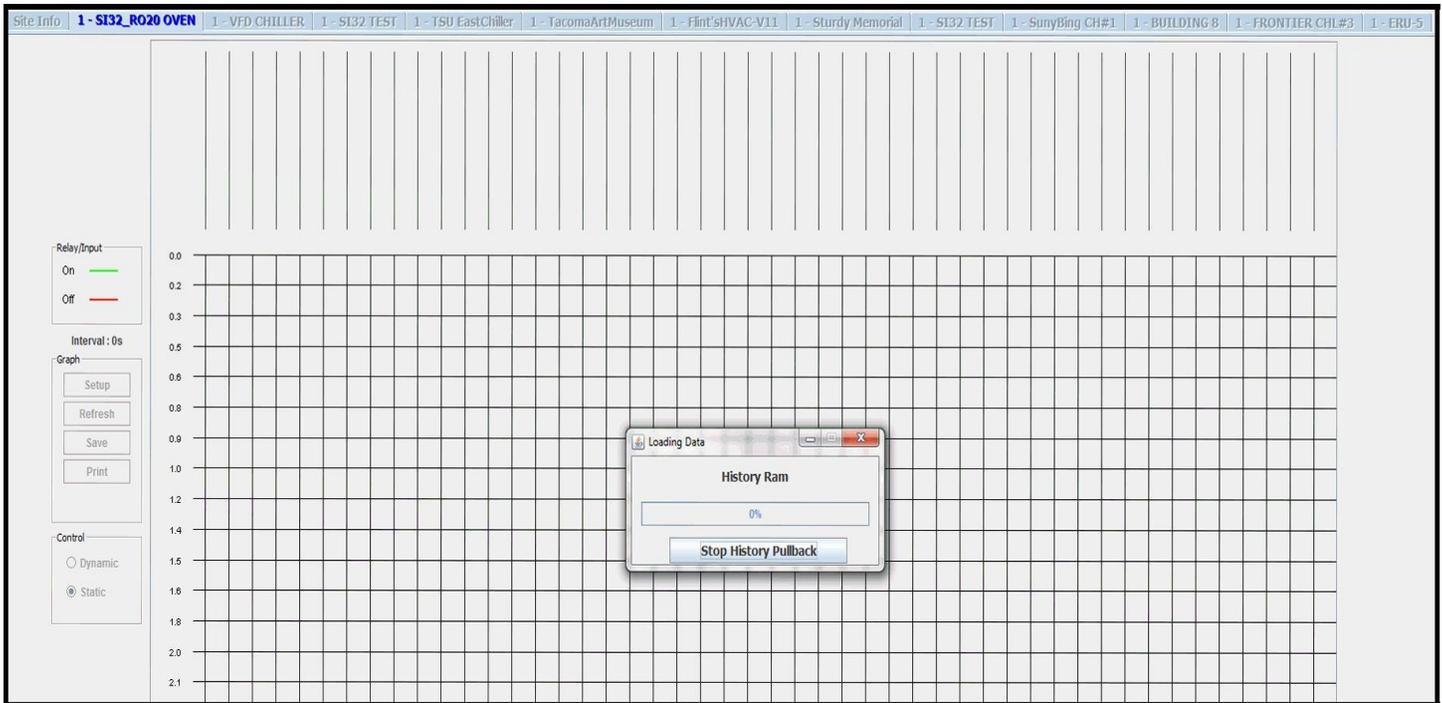
1. Begin by unlocking the MCS-Touch-PC. Navigate to the “C:\MCS” folder on the touchscreen. Double-click the **unlock.bat** file. A command line window will briefly open and execute the command. Close the command line window, restart the touchscreen, and upon restart the touchscreen will be “unlocked” and any changes made will persist.
2. Make sure that the History Saving interval is configured for 1 second. To do this, first ensure that the Touch-screen is unlocked and ready to accept changes. Next, select your connection type from the Main User Interface.



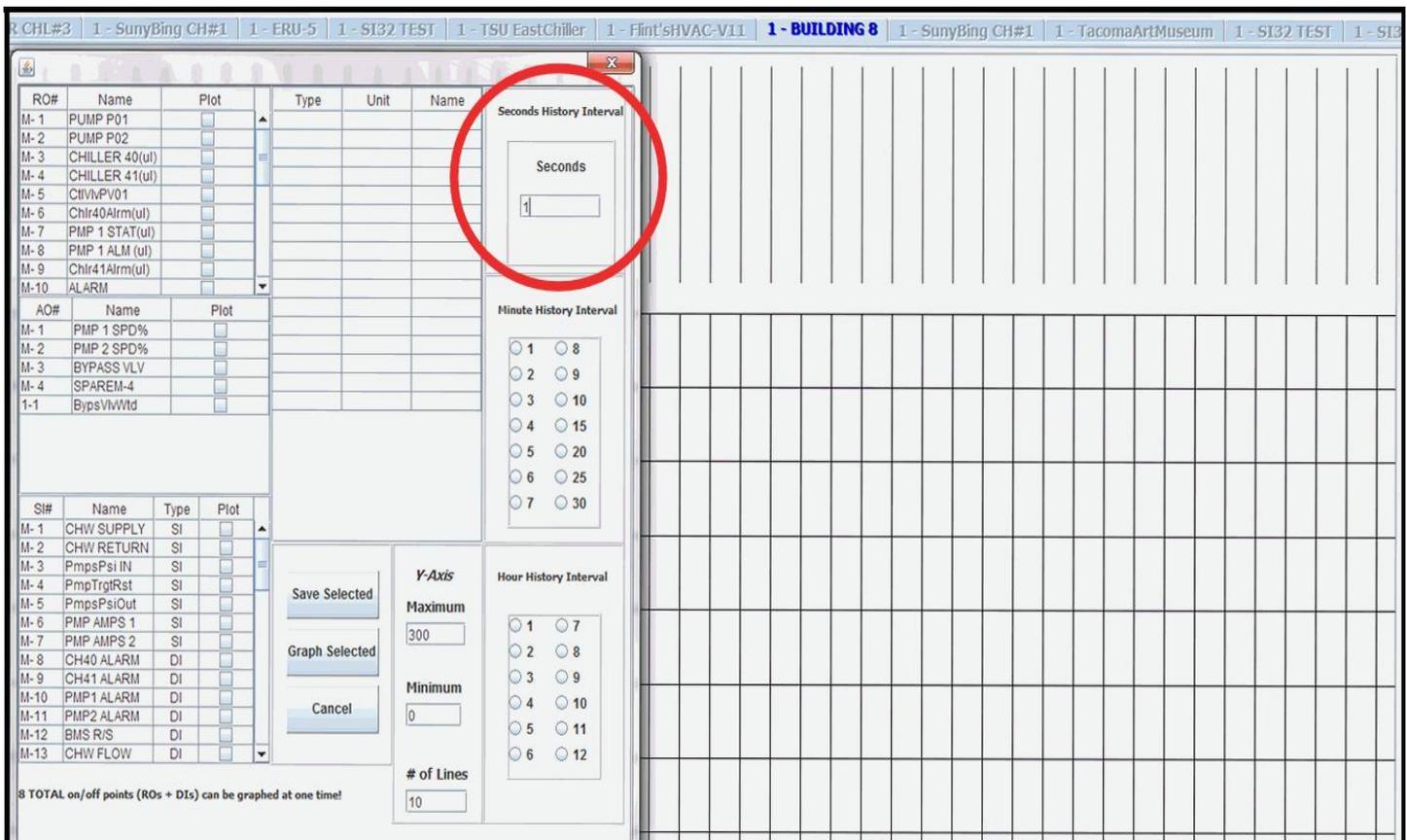
3. Access your authorization level by clicking on the red 'View Only' button indicating your current access level (as shown below) and enter your authorization code. Access your site by clicking on its Site Info Tab.



4. After loading your site, click **GRAPH**. In the process of loading your site's graph, the process of History Pullback will begin. Click the 'Stop History Pullback' button to exit the History Pullback process.

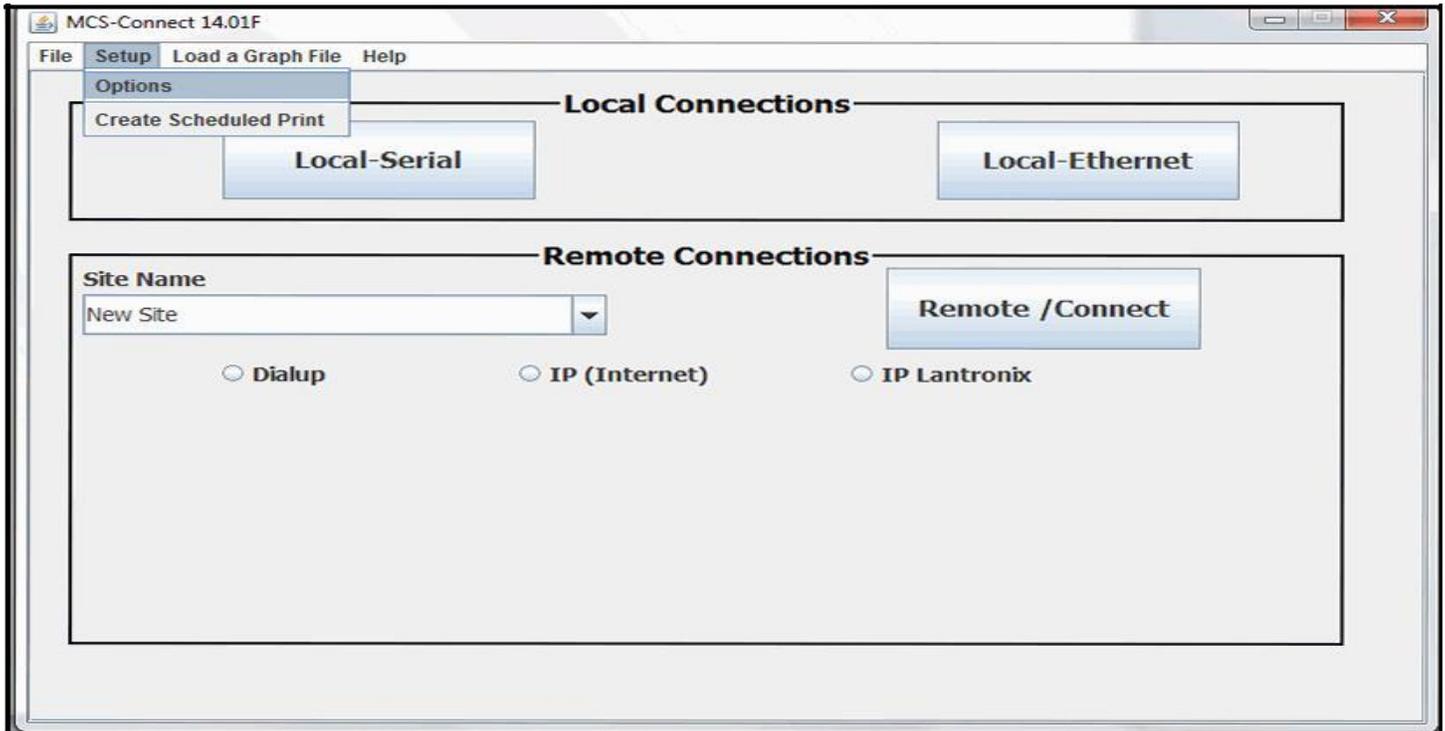


5. Change the **Seconds History Interval** to '1', click 'Save Selected' to save this new interval. Exit the window and then click the Disconnect button to exit back to the Main User Interface.

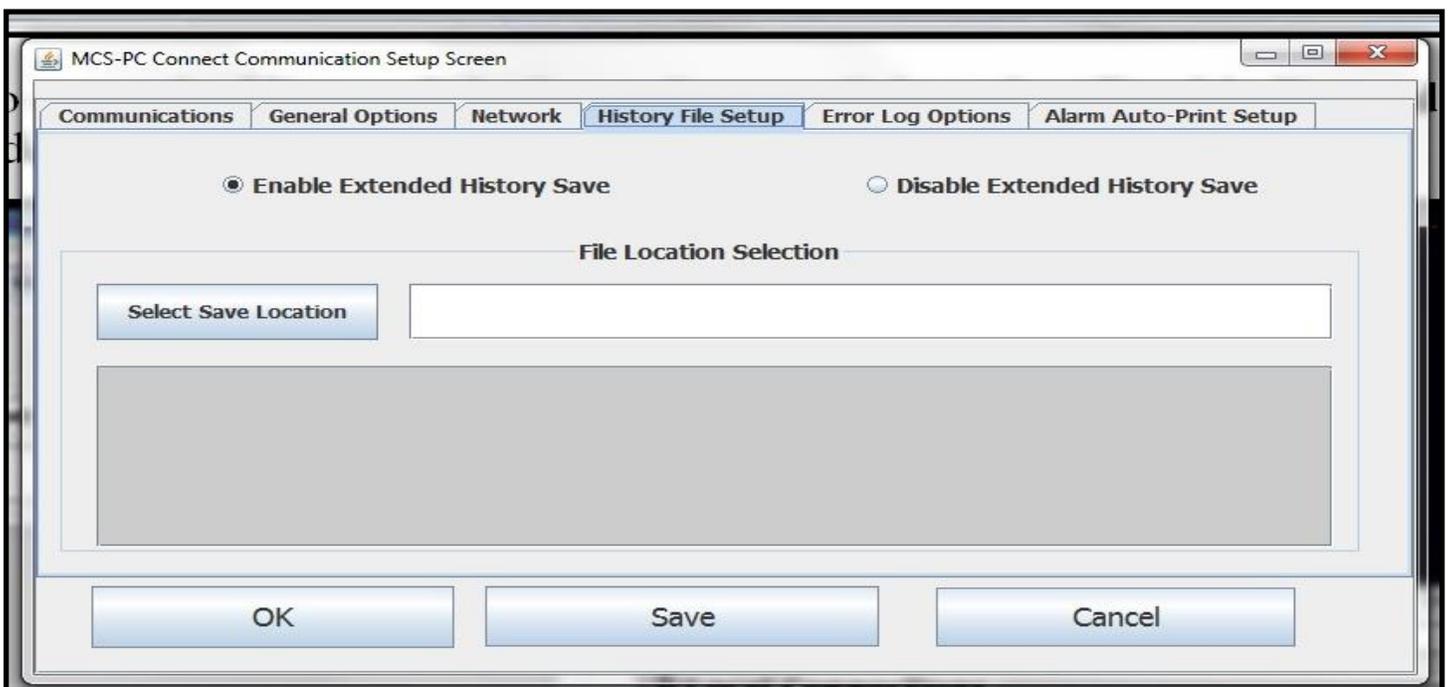


Creating an Extended History File Save Location on a USB Flash Drive

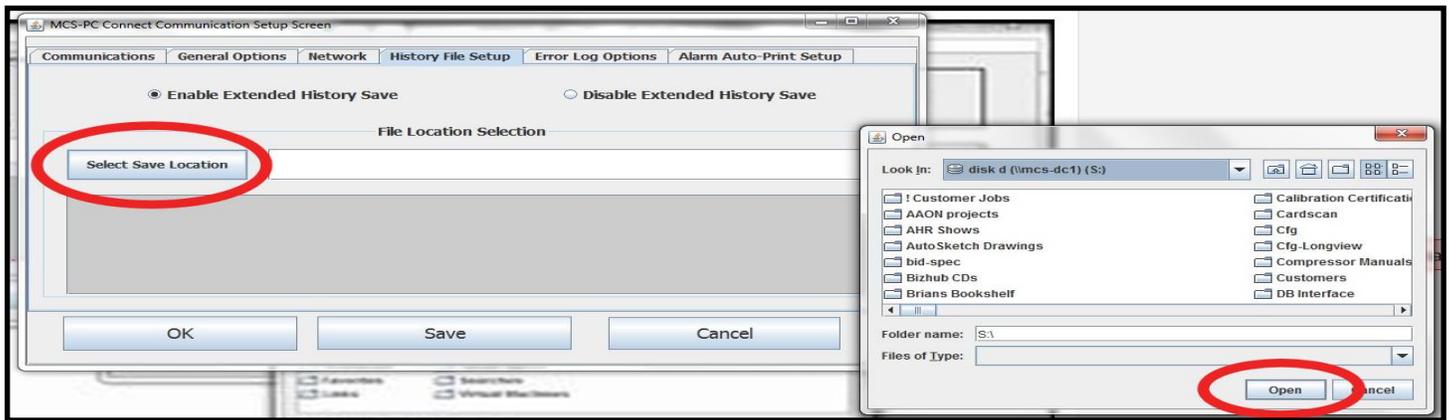
1. Begin by plugging a USB Flash Drive into the USB port of the MCS-Touch.
2. Open MCS-Connect on the MCS-Touch and click on the 'Setup' menu at the top of the screen. Click on the 'Options' menu item under the Setup menu.



3. Click the 'History File Setup' tab to enter the History File Setup Screen. Select the 'Enable Extended History Save' option to activate Extended History Saving.



4. Click 'Select Save Location' and navigate to the drive of the USB. After navigating to the desired drive/directory of the History Saving File, click 'OK' to exit the Select Save Location. Click the 'Save' button at the bottom of the Setup Screen and exit the Setup window.



5. Re-lock the MCS-Touch PC by first navigating to the "C:\MCS" folder on the touchscreen. Double-click the lock.bat file. A command line window will briefly open and execute the command. Close the command line window, restart the touchscreen and upon restart the touchscreen will be "locked" and any change made will NOT persist.

6. If you aren't already connected to the controller, connect to your site via the main MCS-Connect window. From the Site Info Window, click on the Graphics button and allow MCS-Connect to load the Graphics Window. Once the screen saver starts, MCS-Connect will begin to store the history data until it has a complete history file and then will write the file to the location selected with a time and date stamp.

Site Info	Address	HW Serial #	Cfg Name	Company Name	Unit Model #	Unit Serial #	Installed Date	Cfg Vers.	SW Vers.	Cfg Date
1 - PAO SYSTEM GD	192.168.10.126 (1)	006943	PAO SYSTEM GD	Controlled Air	GROUND SERVICE	Unit #2	09/16/2010	14	PAO 14.05CG	04/04/2014
1 - ERU-S	192.168.10.145 (1)	002528	ERU-S	AAON-MCPS Watk	RN-026-3-0-EA09	BNWS03276	06/19/2013	14	RTUM 14.01-U	04/03/2014
1 - Sturdy Memorial	192.168.10.254 (1)	008102	Sturdy Memorial	EMCOR	CARRIER 19XL #1	DJB CENT 14.03G	03/07/2014	14	CENT 14.02-X	03/28/2014
1 - VFD CHILLER	192.168.10.132 (1)	005370	VFD CHILLER	BSL	LCWX1-0470FIV	14.0111 Rev1.00	08/28/2013	14	HVAC 14.04-B	03/06/2014
1 - Flint'sHVAC-V11	192.168.10.235 (1)	004378	Flint'sHVAC-V11	MicroControlSys	123456789101112	121110987654321	05/13/2010	11	HVAC 09.13-W	02/18/2014
1 - FENDER GUITAR	192.168.10.129 (1)	001330	FENDER GUITAR	ONTARIO REF.	23XL CHILLER A	HVAC 8.06-A1	04/02/2014	11	HVAC 09.13-X	04/03/2014
1 - RTU-1 Rev-L	192.168.10.245 (1)	004701	RTU-1 Rev-L	AAON	RL-230-3-0-8B2Z	BLWW00287	05/02/2013	14	RTUM 14.04-B	03/14/2014
1 - SI32 RO20 OVEN	192.168.10.107 (1)	008836	SI32 RO20 OVEN	MCS		1.00	03/26/2014	14	HVAC 14.03K1	03/31/2014
1 - BUILDING 8	192.168.10.124 (1)	004292	BUILDING 8	DB SALES	PUMPS/CHILLER	JAT HVAC 9.12R	05/19/2013	11	HVAC 09.14-C	03/06/2014
1 - SI32 TEST	192.168.10.121 (1)	006941	SI32 TEST	MCS		1.00	03/26/2014	14	HVAC 14.05-B	03/26/2014
1 - TacomaArtMuseum	192.168.10.134 (1)	000419	TacomaArtMuseum	MUNTERS	HUMIDEK UNIT A	0001	03/28/2014	14	HVAC 14.03-G	03/28/2014
1 - SI32 TEST	192.168.10.122 (1)	006744	SI32 TEST	MCS		1.00	03/26/2014	11	HVAC 09.03-B	03/26/2014