RELEASE OF MCEM FIRMWARE 1.5.1.04

SUBJECT

This bulletin announces the production release of Version 1.5.1.04 firmware for the Nielsen **M**ulti-**C**hannel **E**ncoding **M**onitor (MCEM). *Th*e subject: monitor firmware update, based on client input, contains new features and minor bug fixes not included in the prior released versions.

PRODUCTS AFFECTED *1000-1220 ,1000-1222 ENCMON,MULTICHAN,ANALOG,RoHS*

REQUIREMENTS You must have firmware 1.1.0.1 or higher to install this firmware.

DESCRIPTION The updated firmware, reported as Version 1.5.1.04 is the latest available firmware for the Multi-Channel Encoding Monitor.

NEW FEATURES

Email Server Online Check

1. Ability to turn off email server confirmation checks for servers not permiting the ping check that verifies server connections.

Immediate Audio Capture

2. Capture input of audio Multi-Channel Encoding Monitor allowing users to record audio to file, then download and send sample to Nielsen from pc or other device via e mail for testing.

New Hardware Support for future changes

3. Support for hardware changes for communications infastructure, changes which are planned to support vendor networks for broadband.

Bug Fixes

1. *Fixed incidental relay closing issue.*
2. *Fixed relay flickering issue.*
3. *Added ability to recover from DNS server change.*

ACTIONS: The updated version (1.5.1.04) of the Nielsen Multi-Channel Encoding Monitor Firmware and corresponding equipment manual is available for release and may be downloaded from the Engineering Portal. https://engineeringportal.nielsen.com/docs/Radio listed under Multi-Channel Encoding Monitor.

ACTION: UPGRADE PROCESS via WEB GUI Checklist

- ❑ The update will cause relays to activate any external alerting system during update process.

- ❑ Log in to the web GUI of the **M**ulti-**C**hannel **E**ncoding **M**onitor (MCEM) to be updated and authenticate at the **Station** User login level.

- ❑ Select from the Menu on the upper right side of screen, select the menu item Upload/Download File

- ❑ Select the Browse Button and navigate to the location of the update file **EM1220_000000_1.5.1.04_1_0x08.cdp** on your PC (package is contained in a zip archive, you must extract the files from zip on your computer before attempting install)

- ❑ Once the file is selected, click the Upload button. In the lower right corner of browser you will see file uploading, this could be quick depending on network.

  A prompt will pop up and Click OK which will start the update.

  Update may not begin immediately as services will shutdown first. This will initiate the firmware update process which will take approximately 4 minutes to launch, **time can vary depending on firmware previous versions being updated from**. Unit will reboot automatically once complete.

  During the update process the LCD display will May display briefly BAD DEVICE (red LEDs, Red Blinking LEDs) and The System is going down for a REBOOT, **During this time it is critical not to disrupt power to the unit**. Copyright screen will appear for about 1 minute, software version will display, Watchdog Anomaly might display before LCD returns to NORMAL display. Completion can be 4 to 5 minutes. Unit will reboot automatically once complete. Web services will be lost during parts of the update. If unit is set to a static IP it will come back up on the static address. Units on DHCP might get a new address from your DHCP server.

- ❑ Check Monitor Status Screen for proper operation, Check Detectabilty Confidence graphs

MCEM USB install of Firmware

Package is contained in a zip archive, you must extract the files from zip on you computer before transferring to USB flash drive.

- **Copy file EM1220_000000_1.5.1.04_1_0x08.cdp to the root of a clean USB stick.**

- **Copy file Monitor.xex to USB stick root.**

- **Rename Monitor.xex to Monitor.cmd**

- **Now you should see in root of USB stick:**

    - **EM1220_000000_1.5.1.04_1_0x08.cdp**

    - **Monitor.cmd**

Insert USB stick in MCEM Front USB port, Follow on screen(front LCD on MCEM) instructions and remove stick when requested.

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