Agilent Technologies

Release Notes for Revision 4.80.102

This patch is recommended for all those using the Telephony Network Analyzer software, or the J6828A 4-port STM-1/OC-3 LIM Multiplexer. Others should install this patch only if it contains a particular required fix. This revision of the Network Analyzer Software must be installed on top of version 4.80.100.009, or 4.80.101.002. We recommend using Instrument Manager to update DNA PRO, DNA MX, and DNA ME systems as described below.

Issues Addressed by this Revision

- **RTCP Monitor audio playout**
  This patch fixes a problem whereby the RTCP Monitor measurement would stop audio playout for a session while running.

- **XoIP RTP commentator measurement detection of RTP packets**
  This patch fixes a problem whereby the XoIP RTP commentator failed to detect RTP packets with dynamic payload types 96-127.

- **AAL-5 CRC errors in protocol vitals**
  A problem with a small number of AAL-5 CRC errors showing up in the protocol vitals measurement and decode view has been resolved.

- **RTP and RTCP decodes updated**
  The RTP and RTCP decodes were updated to decode more recently assigned RTP ports based on the latest IETF RFC specifications for assigned and dynamic ports.

- **Gigabit and 10/100 LIM auto negotiation**
  This patch fixes a problem whereby Gigabit and 10/100 LIMs may not be initialized correctly after a firmware update if auto negotiation is enabled.

- **AgentConfig finding Ethernet Adapters in the host PC**
  This patch fixes a problem whereby the AgentConfig application does not detect existing adapters in the users PC.

- **AgentConfig shortcut**
  This patch fixes a problem whereby selecting the AgentConfig shortcut displayed an “Unable to Locate DLL” error. This situation occurred when the Agilent Network Analyzer 4.80 software was installed over a previous version.

- **Decode measurement printing**
  This patch fixes a problem whereby records would occasionally be skipped when printing from the Decode measurement.

- **AAL-2 CID decodes**
  This patch fixes a problem whereby AAL2 CID configurations were not recognized by decodes.

Issues Addressed by Previous Revisions (also included in this Revision)

Revision 4.80.101.002

- **Corrupt ATM headers**
  This patch fixes a condition whereby ATM headers on frames larger than 2048 bytes could be corrupted. The maximum length of an AAL-2/AAL-5 frame is now 4096 bytes.

- **Problems with AAL-2 mini-cells**
  This patch fixes a problem whereby AAL-2 packets using 64-byte mini-cells were being handled incorrectly.

- **Problem with LIM power up**
  This patch fixes a problem whereby some LIMs occasionally did not power up correctly, causing corrupt output.

- **Problem with RTSM**
  This patch fixes a problem whereby a semaphore deadlock can sometimes cause Run-Time Store to Media to hang when you press STOP. This problem exists only for customers who are using Windows 2003 Service Pack 1.

- **Overloading the real-time AAL-5 and AAL-2 reassembly**
  There is the potential for overloading the real time AAL-5 and AAL-2 reassembly when using a 4-port STM-1 on the J6828A/J6810B configuration. Statistical bunching of busy cells rather than an overall high data rate causes this. This patch alleviates this condition by increasing internal buffering.

- **LOS and LOF conditions**
  This patch fixes a condition whereby the J6810A and J6810B, when operating in some WAN-based modes (notably LAPD), did not have the demultiplexer configuration being set correctly, thereby causing LOS and LOF conditions.

- **Problem with HDLC ABORT pattern**
  This patch fixes a problem whereby some HDLC links use the ABORT pattern immediately prior to sending a genuine flag-delineated packet. The measurement system reports this condition as a one-byte aborted packet. Since this appears on real networks, the measurement system now suppresses this.

- **Drill to Network Analyzer on DNA PRO**
  This patch fixes a problem whereby the Network Analyzer application will not launch as part of a remote session on a DNA PRO.

- **Web page RDP does not work if screen resolution is greater then 1600x1200**
  This patch fixes a problem whereby the Open Remote Session link on the DNA PRO/DNA MX web page will fail if the screen resolution is greater than 1600x1200. The optimal screen resolution is 1024x768.

- **Potential ATM Policing issues**
  This patch fixes potential issues with the ATM Policing measurement.

- **UNI/NNI Mode Selection**
  The selection of UNI vs NNI modes was reversed for the 4-port OC-3/STM-1 interface. This is now corrected.

Installation Instructions

The NA4.80.102.zip file contains the following files:

- NA4.80.102.003.exe patch file for PCs and NAs
- NA4.80.102.003DNAMX.svr patch file for PROs, MXs, and MEs

For J6800As and PCs:

1) Place the file NA4.80.102.003.exe on the PC or Network Analyzer on which the Agilent Network Analyzer Solutions version 4.80.100.009 or 4.80.101.002 is installed.
2) Double-click the file NA4.80.102.003.exe to install the software.

For the DNA PRO, DNA MX, and DNA ME:

Note: The DNA PRO, DNA MX, and DNA ME must have Windows XP SP1 and Network Analyzer software 4.8 or later.

1) If using Instrument Manager:
   a) Place the file NA4.80.102.003DNAMX.svr on the PC or Network Analyzer on which the Agilent Instrument Manager is installed.
   b) Start Instrument Manager.
   c) If not already added, add the agent using the "Add Instrument" button.
   d) Select the Instrument from the main view and select "SW Update".
      Multiple agents may be selected by using Ctrl+left click.
   e) Left-click the "Browse" button to find the patch (.svr file) that you downloaded in step 1.
   f) Left-click the "Update" button to apply the patch.

OR

3) If using NTC:
   a) Place the file NA4.80.102.003DNAMX.svr on the PC or Unix workstation or Network Analyzer on which Agilent's NTC client is installed.
   b) Start the NTC Console.
   c) If not already added, add the agent using NTC's Agent Manager.

d) Right-click the agent icon and select “SW Update”.
Multiple agents may be selected by using <CTRL> left click.
e) Left-click the “Patch” button.
f) Left-click the “Browse” button to find the patch (.svr file) that you downloaded in step 1.
g) Left-click the “Update” button to apply the patch.

Questions and Answers

Q. How long does a patch take to install? When should the system be available for use again?
A. For the Network Analyzer and PCs the installation takes about 1 minute, and requires a system reboot to complete the process.

A DNA PRO takes about 6 minutes before it is available. A DNA ME takes 4-5 minutes. A DNA MX takes about 7 minutes. If using Instrument Manager to update the agent, the “Update Complete” status appears. If using the NTC Console to update the agent, the status of the update appears as the patch is applied.

Q. How do I know the patch is applied properly?
A. For the Network Analyzer, bring up the Network Analyzer and select Help->About. The Network Analyzer Revision number begins with 4.80.102.

The Instrument Manager SW Update dialog box will display the new version.

Q. The patch does not apply and tells me to contact Agilent Support. Who do I contact?
A. The Agilent Technical Support Center:
For a local support contact number, access: http://www.home.agilent.com.
Click the Select a Country or Area link in the upper right corner, select the desired country, select Yes or No to remember your selected country, and click Submit. You will return to the main page. Click the Contact Us link in the upper right corner and the next page will list the contact phone numbers for the selected country.