



Release Notes for Revision 3.1.105.001

This revision of the Network Analyzer Solutions Software must be installed over version 3.1.100.012. Revision 3.1.101.00x, 3.1.102.00x, 3.1.103.00x or 3.1.104.00x may also have previously been installed, but are not required. Modifications to both the Network Analyzer software and the Network Troubleshooting Center (NTC) are contained in this revision of the software. Because the NA and NTC issues listed next are independent, you do not need to apply the new revision to the DNA MX and DNA ME if you are interested only in the NTC issue from Revision 3.1.102.001.

New Issues Addressed by this Revision

Revision 3.1.105.001

- **Time synchronization between DNAs in a chain (Network Analyzer)**

A time synchronization issue had been fixed which caused the time synchronization between DNAs in a chain to be off by a few hundred milliseconds.

Usage Notes

Update all acquisition systems in a chain after installing this patch.

- **Time Sync Data File Merge Utility support for RTSM (Network Analyzer)**

Support for RTSM files has been added to the Time Sync Data File Merge Utility.

- **Time Sync Data File Merge Utility handling of files larger than 200 megabytes (Network Analyzer)**

A warning will be issued when the user tries to merge files that have a total merged size larger than 200 megabytes. The user can still merge the files, but the Network Analyzer will only allow the file data to be viewed in the decode view, other Network Analyzer measurements will not be supported.

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

Revision 3.1.104.002

- **ATM Data Capture / RTSM stops because of data rate too high (Network Analyzer)**

A data capture issue has been fixed that caused corruption of frames in the capture buffer on ATM links that were experiencing lost cells or bit errors in cells. This also resulted in the RTSM measurement stopping with an error message saying that the data rate was too high. Similar symptoms could be seen when running Signaling Analyzer Real-Time Edition.

- **Capture Filter Issue (Network Analyzer)**

A capture filter issue has been fixed that allowed frames into the buffer that should have not passed the filter. In some cases, the length or other attributes (in the "Frame Attributes" tab of the Filter/Counter properties dialog box) were not set up properly in the filter. This cause frames to be stored (or discarded in the case of a suppress filter) when they should have been

discarded (or not discarded in the case of a suppress filter). This issue also depended on the ordering of filters and other factors that made it seem random. Similar symptoms could occur when setting up.

Revision 3.1.103.002

- **Network Analyzer software exhibits long start delay with certain SAR configurations. (Network Analyzer)**

When using SAR configurations that are reassembling large numbers of VP/VCs, the Start measurement process exhibited unreasonable delays. Similarly, the amount of time to start a run in Signaling Analyzer Real-Time Edition was unacceptably large. With this fix, the time to start a run should not be significantly impacted by a large number of VP/VC's in the SAR configuration.

- **VLAN Display Filtering Crash (Network Analyzer)**

If an NA user right-clicked an ATM frame in the Decode view that had a VLAN, and then selected "Filter Display On XXX Address" the application would crash. This issue has been fixed.

- **CRC errors on AAL-5 data captured in cell or frame mode (Network Analyzer)**

An issue has been fixed where F5 OAM cells were erroneously included in aal-5 reassembly and crc-32 calculations at the hardware level. The problem surfaced when the decode had frames marked with bad CRC-32 (from the hardware), but also had good CRC-32 and were preceded closely by an F5 OAM cell.

Revision 3.1.103.001

- **Network Analyzer software failure when launched by Signaling Analyzer Real-Time Edition (Network Analyzer)**

A failure occurred sometimes when the Signaling Analyzer Real-Time Edition was connecting to a Network Analyzer LIM, or when pressing the "Rec" (record) button in the Signaling Analyzer software. This failure could also be seen sometimes in the Network Analyzer software when pressing the start button with ATM capture filters configured. This issue has been resolved.

Usage Notes

The Network Analyzer software will not be stable when running with Signaling Analyzer Real-Time Edition version 3.0 unless this patch is applied.

- **RTSM data file corruption (Network Analyzer)**

Problem existed when a user would do a normal start run (not RTSM), stop the run, save to a file, then start an RTSM run. The symptom was a set of corrupted RTSM files which appeared

identical in their content, and although very large in size, would only display a small amount of captured traffic in the decode view. This problem has been resolved.

- **NTC/Agent Services Manager hanging when loading a database (NTC)**

An issue has been fixed that could cause the NTC/Agent Services Manager to hang when attempting to load or save a database.

Revision 3.1.102.001

- **Agent locking issues (NTC)**

If an NTC user establishes a remote session to a DNA ME/MX, another user can establish a remote session to that same DNA ME/MX causing the initial remote session to be terminated. The NTC Console has been modified to actively check the agent's locked/unlocked state before initiating a remote session. This modification prevents another user initiating a remote session to the same DNA ME/MX from inadvertently terminating an active remote session. It will still be possible for an administrative user to intentionally unlock an agent that has an active remote session from the Agent Properties view.

Usage Notes

In some circumstances, an agent's status may incorrectly indicate that the agent is still locked after a remote session ends. If this happens, navigating to the Agent Properties view will cause the agent locked/unlocked state to be updated to indicate the correct value.

To solve the problems described here, this patch should be installed on any computer on which the NTC Server or NTC Console is installed.

Revision 3.1.101.002

- **Lost packets in RTCP Monitor (Network Analyzer)**

An issue in the Network Analyzer acquisition hardware has been fixed that could cause Network Analyzer measurements to occasionally skip captured frames. This resulted in erroneous reports of dropped packets in RTCP Monitor and capture buffer overwrites in Protocol Vitals.

Usage Notes

After this patch is installed, connecting to Network Analyzer hardware will result in file synchronization. This will happen automatically.

- **Audio playback memory leak (Network Analyzer)**

Fixed a problem with audio playback in the RTCP Monitor measurement that could cause it to leak memory. Playing back audio over long periods could cause the system to run low on virtual memory.

Installation Instructions

For J6800A and PCs

- 1) Download the file [Rev3.1.105.001.zip](#) to the PC or Network Analyzer on which Agilent's Network Analyzer Solutions version 3.1.100.012 is installed.
- 2) Unzip [Rev3.1.105.001.zip](#). You will see the following files:
 - Rev3.1.105.001.exe patch file for PCs and NAs
 - Rev3.1.105.001MXME.svr patch file for MXs and MEs
 - ReleaseNotesRev3.1.105.001.pdf this file
- 3) Double-click the file [Rev3.1.105.001.exe](#) to install the software.

For Solaris

- 1) Download the file [Rev3.1.105.001.solaris.zip](#) to the Solaris workstation on which Agilent's Network Analyzer Solutions version 3.1.100.012 is installed.
- 2) Unzip [Rev3.1.105.001.solaris.zip](#). You will see the following files:
 - Rev3.1.105.001.bin patch file for Solaris
 - Rev3.1.105.001MXME.svr patch file for MXs and MEs
 - ReleaseNotesRev3.1.105.001.pdf this file
- 3) Run [Rev3.1.105.001.bin](#) to install the software.

For the DNA MX and DNA ME

Note: The DNA MX and DNA ME must have Windows XP SP1 and Network Analyzer software 3.1 or later. Please see the Questions and Answers section below for more information.

- 1) Download the file [Rev3.1.105.001MXME.svr](#) to the PC or Network Analyzer on which Agilent's NTC Console is installed.

2) If using NTC:

- a) Start the NTC Console.
- b) If not already added, add the agent using NTC's Agent Manager.
- c) Right-click the agent icon and select "SW Update".
 - Multiple agents may be selected by using <CTRL> left click.
- d) Left-click the "Patch" button.
- e) Left-click the "Browse" button to find the patch that you downloaded in step 1.
- f) Left-click the "Update" button to apply the patch.

OR

3) If not using NTC:

- a) Open Your Web Browser and go to "http://IPADDRESS:8080/patchmgr" where IPADDRESS is the IP address or DNS name of the agent you need to patch.

- b) Click "Ok" in the Authentication dialog box.
- c) Login with the default username "NTCUser" and default password "stone" Or use the username and password you have set for the agent, if you have changed it.
- d) Left-click the "Browse" button to find the patch you downloaded in step 1.
- e) Left-click the "Apply" button.

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 will take about 1 minute, and will require a system reboot to complete the process.

A DNA ME will take 4-5 minutes before it is available after starting the reboot. A DNA MX will take about 7 minutes. If using the NTC Console to update the agent, the status of the update will be displayed as the patch is applied. The Web Browser method does not provide status.

Q. How do I know the patch applied properly?

A. For the Network Analyzer, bring up the Network Analyzer and select Help->About. The Analyzer Revision number should be 3.1.105.001.

For the DNA MX and ME, the web page located at <http://IPADDRESS:8080/patchmgr>, where IPADDRESS is the IP address or DNS name of the agent, displays a list of all patches applied to the agent.

Q. How do I know if I have Windows XP SP1?

A. Go to the web page located at <http://IPADDRESS:8080/patchmgr>, where IPADDRESS is the IP address or DNS name of the agent, displays a list of all patches applied to the agent.

Q. How do I update the MX/ME to Windows XP SP1 and the Network Analyzer software revision 3.1?

A. If you know the Network Analyzer software revision is 2.0 ME/MX (System/OS Image), then you need to re-image to 2.1 or newer (preferably 3.1). Contact Agilent Technologies Support Center for assistance. If you do not have 3.1 installed on the ME/MX, then install it using NTC.

After installing 3.1, verify the System/OS image version using the web page located at <http://IPADDRESS:8080/patchmgr>, where IPADDRESS is the IP address or DNS name of the agent.

Q. The patch does not apply and tells me to contact Agilent Support. Who do I contact?

A. The Agilent Technical Support Center:

1-800-829-4444 between 7 AM and 5 PM MDT, Monday through Friday, or send Email to:
csgcontactcenter_support@agilent.com.