



Agilent Report Center Release Notes

for the:

J6848A Report Center Software - v4.6.2

Agilent Report Center is a Windows-based application that creates interactive, online, and hardcopy reports from data collected with the Agilent Network Analyzer, Agilent Advisor, and Agilent VQT product families. Report Center significantly reduces the time, people, and expertise needed to document and identify performance characteristic in today's multi-site, multi-technology networks.

Thank you for purchasing and using these Agilent products. Agilent Technologies is committed to customer satisfaction. If you have any problems with any of the components of the Agilent Network Analyzer Solution, please use the contact information below (in the United States), or call your local Sales Office outside the United States.

To set up and use Report Center, begin with the Getting Started Guide included on the CD with your purchase.

Contact Agilent Technologies Product Support at:

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Agilent Technologies, Inc.
1900 Garden of the Gods Road
Colorado Springs, Colorado, USA
80907-3483

Web: <http://www.agilent.com/comms>
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March 2005
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Printed in Singapore

New Features in this Release (31-March-2005)

Network Analyzer OC-12/STM-4 LIM with 4-Port OC3/STM1 Mux

This new interface is supported.

Release History

Fixes Added in 4.5.6 (26-January-2005)

Vitals Measurement - Backward Compatibility Issue

Under certain conditions, Network Analyzer software earlier than v4.5 can produce a Vitals Measurement which causes Report Center 4.0.5 or greater to have trouble processing that measurement, causing that measurement to be missing from reports. An internal workaround has been implemented in this release to allow correct processing of these files without user intervention.

RTCP Monitor - Backward Compatibility Issue

Report Center 4.5.5 incorporated a major reworking of the RTCP Monitor measurement which inadvertently “broke” compatibility with the RTCP Monitor measurement in Telephony Network Analyzer software earlier than v4.5, causing that measurement to be missing from reports. This has been fixed.

2GB Maximum Log File Size Limitation

Report Center can only process log files which are 2GB (2,147,483,647 bytes) or less. A simple workaround of reloading large files in Network Analyzer software and resaving into multiple files, without Expert of Decode data solves the problem. Report Center can easily combine the multiple files into a single report. Implemented in this release is logic to properly recognize and warn of the issue when processing files, including the display of these workaround instructions.

Features Added in 4.5.5 (31-December-2004)

MPLS Stats Measurement

Support for this Network Analyzer measurement added, detailing statistics by MPLS stack.

MultiPort T1/E1 LIM with IMA Stats

This Network Analyzer interface is supported with detailed statistics by port, including Convergence Sub-Layer and IMA stats.

Network Analyzer ATM Policing Measurement

Support for this forthcoming Network Analyzer measurement added (available in Network Analyzer 4.6).

IPv6 Addressing

Many Network Analyzer measurements have been updated in revision 4.5 to support IPv6 addressing, including RTCP Monitor and Connections Stats.

User-defined Interface Labels

Users can override basic interface names with their own identifying labels for better clarity in reports. For example, “T1:EQ” can now be “Chicago Outbound Data”.

Dynamic Chart Scaling and other Reporting Improvements

Many improvements have been made to refine the quality of charts and reports. Charts now scale more dynamically based on the data they contain, increasing legibility in a variety of circumstances. Labelling within the reports has also been improved based on user feedback. Many other adjustments have been made to further optimize output.

Features Added in 4.0.4/4.0.5 (15-August-2004)

AutoReporting

Built-in and user-defined AutoReport Profiles completely automate repetitive reporting tasks. By selecting a logfile and an AutoReport, a complete report can be produced, ready to print or be saved as a PDF. This feature not only allows new users to have instant success with Report Center, it allows more advanced users to quickly define, save, and run repetitive report scenarios.

Chart Style Profiles

Basic combinations of plotting styles, data table inclusions, color schemes, and font sizes can now be stored and accessed in easy to use profiles.

Profile Import/Export

All profile types can be easily imported and exported, facilitating individual backup needs and global profile and AutoReport template distribution across an organization.

VQT “Drive Testing” Support

The Clarity Trend measurement on the VQT allows continuous logging of several clarity results which is now supported by Report Center.

Features Added in 3.1.5 (28-February-2004)

Network Analyzer Benchmarking Measurement

Results from the Analyzer’s LAN Benchmarking measurement can now be plotted and analyzed in Report Center.

Network Analyzer OC-12 LIM

This new interface is supported.

Features Added in 3.0.9 (30-December-2003)

Channel Profiles

User-defined channel rates and logical names can be easily edited and applied to log files containing DLCI, VPi.VCi, or VLAN data, producing utilization statistics based on either line or channel rates.

Line Speed Profiles

User-defined line speeds can be used to override the observed line rates of any interface. This is particularly useful for WAN serial interfaces that may have variable rates and ATM interfaces that use different maximum cell rates.

Layout Profiles

Report configurations are now stored in an easier to use format accessible from User Preferences.

Summary Bar and Pie Charts

Summary Bar and Pie charts are now available for all stats and measurements, in addition to the standard trended charts.

Agilent Advisor and Network Analyzer IP-IP Connection Stats Measurement

The Analyzer's Commentator and Connection Stats measurement can now be used to generate stats on a per-connection basis, allowing Report Center to detail individual connections down to the port and protocol.

Agilent Advisor Filters/Counters Stats and BERT Results Measurements

These legacy measurements were supported in Advisor Reporter and are now available in Report Center.

Network Analyzer HSSI LIM

This new interface is supported.

Features Added in 2.1.12 (10-July-2003)**Telephony Module**

A new Telephony Module is available as J6848A Option 002, providing support for the Agilent Voice Quality Tester (VQT), Agilent IP Telephony Analyzer (IPTA), and Agilent Telephony Network Analyzer (TNA). Reports can be produced from the Clarity, Echo (PACE), and Delay tests on the VQT, from RTP Stats and Line/Protocol Vitals on the IPTA, and from RTCP Monitor and Line/Protocol Vitals on the TNA.

Packaging and Licensing Change

With the addition of the Telephony Module, Report Center has been repackaged into separate modules. All previous release of Report Center are functionally equivalent to the new Wireline Data Module, part J6848A Option 001. Older licenses of Report Center will be automatically converted into Wireline Data licenses upon installation of this release.

Enhanced Data Tables on Charts

The data tables that appear in charts have been enhanced.

Mean and Peak values for each statistic have been replaced with Low, Mean, and High values. Low values are new, Peak values have simply been renamed for clarity.

Very small values are now displayed as <0.01 instead of 0.00.

Only values below 1000 now include 2 decimal places.

Expanded Error Handling

When processing invalid, incompatible, or corrupt log files, Report Center now displays better messages to help identify why a file did not process.

Chart Improvements

Charts lines have been made thinner by default, improving readability.

Null or missing values (gaps in data) are now hidden instead of displayed as 0 values.

Features Added in 2.1.4 (12-May-2003)

Prefilter added for managing large files

When processing logfiles which contain a large number of streams (nodes, protocols, or channels), Report Center limits the view to the first 1024 observed in the file. This can still be an overwhelming number to visually work with and consumes a lot of system memory. The prefilter allows users to select both the maximum number of streams to include in a report and to specify a time in the logfile to begin looking for streams.

Top N Reporting and sorting added

The Top N Reporting feature works by internally tracking the total number of bytes cumulatively transmitted from and received by each stream (node, protocol, and channel). Users can then have the streams sorted and/or selected in top N order, automatically building and updating charts for faster analysis and reporting.

User Preferences sets default charting options

A new User Preferences configuration screen allows chart plotting style, color palette, statistics appearance and font size to be set and saved as default settings that persists across reporting sessions.

Features Added in 2.0.6 (27-Feb-2003)

Japanese Localization

All elements of the user interface and reports have been translated into Japanese, including chart customization and export options which previously displayed only in English.

Features Added in 2.0.5 (14-Feb-2003)

ATM Cell Loss/Delay Measurement

Support for this Agilent Advisor measurement added.

ATM Policing Measurement

Support for this Agilent Advisor measurement added.

PDFs enhanced to allow editing of all text fields

All text in PDF files can be edited using a retail version of Acrobat, including text in charts.

Link to Getting Started Guide added to Help menu

A link to the Getting Started Guide has been added to the Help menu to facilitate product use.

Speed Enhancement

Users of all operating systems should see a performance improvement of at least 50%. Memory-constrained systems processing very large files can see improvements of over 100%. Memory usage has also been dramatically reduced in Channels, Protocols, and Nodes measurements.

Features Added in 1.2.10 (29-Nov-2002)

Japanese Localization

All elements of the user interface and reports have been translated into Japanese with the exception of the chart customization and export components.

Alternate Color Palettes

From the Interactive Report's Chart menu you can now select one of two color palettes to be used in chart creation. The default color palette color coordinates the Eq/Ln, P1/P2, Node/Hub sides of an interface by using different shades of the same color. The high contrast color palette selects visually contrasting colors as an alternative. Both color palettes have their place in different circumstances. Selecting a different color palette will not affect charts until they are redrawn by clicking another tab or adding/removing elements.

Features Added in 1.2.8 (28-Oct-2002)

Initial Production Release of Report Center 1.2

Release History