



Amdocs Drive Test Analytics Suite, by Actix

Release Notes



Analyzer Update December 2023





The content of this manual is provided for information only, is subject to change without notice, and should not be construed as a commitment by Amdocs. Amdocs assumes no responsibility or liability for any errors or inaccuracies that appear in this documentation.

The content of this manual is provided for information only, is subject to change without notice, and should not be construed as a commitment by Actix. Actix assumes no responsibility or liability for any errors or inaccuracies that appear in this documentation.

The product is protected under national and international copyright, trademark and trade secret, patent and other intellectual property laws and treaties. The product is covered by at least one or more of the following U.S. patents: 8364141; 7653395; 8032131; 7941136; 8150417; 7881319; 7830812; 7904080; 7839846; 7062264; 7349692; 7224968; 7792032; 7634267; 7353160; 8428171; 7877095; 7768968; 8855675; 9154977; 9380170; Sweden Patent: 524414; Great Britain Patents: 2,461,242; 2,467,474; 2,196,050; 1,759,549; 1,716,668; 1,678,972; 2,382,502; 2,384,663; 2,404,314; 1,606,965; Australia Patent: 2003301796; Patents registered in China P.R.: 1,934,882; ZL200480007621.7; CN1817056; Patents registered with the European Patent Office: EP1604278; EP1559289; EP1614313; EP2196049; French Patents: 2,196,050; 1,759,549; 1,716,668; 1,678,972; 1,468,542; 1,606,965; German Patents: 2,196,050; 1,759,549; 1,716,668; 1,678,972; 1,468,542; 102004002145; 103 07 408; 102 51 993.5; 101 04 926; Holland Patent: 2,196,050; India Patent: 1130/CHENP/2005; Italian Patent: 2,196,050; Patents registered in Japan: 4,499,746; 4,452,710; JP549116/2004; JP5139462; JP6125530; Patents registered in Korea: 10-11-21435; 10-09-39132; New Zealand Patent: NZ540378; Patents registered in Spain: 2,196,050; 1,606,965; and pending patents.

Copyright © 2007-2023 Actix, an Amdocs company. All rights reserved. All trademarks are hereby acknowledged.



Contents

In This Version.....	4
New collection device or technology support	5
Infovista TEMS Investigation / Pocket / Paragon raw stream support	5
Infovista TEMS Investigation / Pocket / Paragon refined stream support	5
Keysight Nemo support.....	6
PCTel SeeGull scanner DTR Export support.....	7
Qualcomm QXDM / chipset support.....	7
Rohde & Schwarz SmartONE (ROMES4) support	7
Rohde & Schwarz SmartONE (QualiPoc / SmartBenchmarker) support	7
Samsung chipset support	7
Event Detection.....	7
Generic	8
Application Layer Improvements.....	9
Cellrefs.....	9
Platform Improvements.....	10
Preferences Settings	10
Documentation Changes	11
Known Issues and Obsolescence.....	12
Known Issues.....	12
End of Life announcements	12
Product Support for previous versions	12



In This Version

This release contains support for new and updated file formats. There are updates for most technologies that Analyzer supports, with changes falling under the following categories:

- New collections of devices and improvements:
 - Initial support added for Infovista TEMS Refined streams.
 - Support added for Fast.com as a supported OTT App Type with Nemo.
 - Qualcomm NR chipset carrier aggregation support for scenarios where required log codes are not added to the UE log mask.
 - Multi-part RSCMD file support within a single SQC container.



New collection device or technology support

Infovista TEMS Investigation / Pocket / Paragon raw stream support

- Improvements made to setting of **Task_App_Bytes_Total_DL/UL**. **Task_Dir** is now added for TCP DL/UL tasks, and only the corresponding DL / UL byte count is shown for the correct task direction.

Infovista TEMS Investigation / Pocket / Paragon refined stream support

- Initial support for Refined Streams – more details on support of TEMS Refined Streams are available from your Amdocs Sales Director.
 - **Product_Name**
 - **Product_Version**
 - **FileFormat** = "TEMS Refined"
- The following attributes are set directly from TEMS TRR API Information Elements:
 - **Latitude**
 - **Longitude**
 - **Heading**
 - **GPS_Confidence**
 - **Distance**
 - **SpeedKph**
 - **Altitude**
 - **NR_RRC_MsgType**
 - **NR_RRC_MsgType_Embedded**
 - **NR_UE_Band**
 - **NR_UE_Bandwidth_DL**
 - **NR_UE_Bandwidth_UL**
 - **NR_UE_Beam_Idx**
 - **NR_UR_Beam_Idx_SortedBy_RSRP**
 - **NR_UR_Beam_PCI_SortedBy_RSRP**
 - **NR_UR_Beam_RSRP_SortedBy_RSRP**
 - **NR_UR_Beam_RSRQ_SortedBy_RSRP**
 - **NR_UR_Beam_SINR_SortedBy_RSRP**
 - **NR_UE_CQI_WB_DL**
 - **NR_UE_CRI_DL**



- NR_UE_MCS_DL
 - NR_UE_MCS_UL
 - NR_UE_NR_ARFCN_DL
 - NR_UE_Pathloss_DL
 - NR_UE_PayloadRate_L1_DL
 - NR_UE_PayloadRate_L1_UL
 - NR_UE_PCI
 - NR_UE_PowerTx_PUCCH
 - NR_UE_PowerTx_PUSCH
 - NR_UE_PowerTx_SRS
 - NR_UE_RI_DL
 - NR_UE_RLC_Mode_DL
 - NR_UE_RLC_Mode_UL
 - NR_UE_RSRP
 - NR_UE_RSRQ
 - NR_UE_RSSI
 - NR_UE_SINR
 - NR_UR_SubcarrierSpacing_DL
 - NR_UE_Throughput_MAC_DL
 - NR_UE_Throughput_MAC_UL
 - NR_UE_Throughput_PDCP_DL
 - NR_UE_Throughput_PDCP_UL
 - NR_UE_Throughput_RLC_DL
 - NR_UE_Throughput_RLC_UL
- When processing files with both raw and refined streams captured, users must select the Preference Setting **Format > TEMS > Prefer Refined Streams**.
 - The setting of the initial timestamp of TEMS files has been adjusted, to use the DateTime property, to match TEMS Investigation. An additional message is created at the start of any TEMS stream – Recording Started. Relative times of messages will be impacted by this change, although the absolute timestamps of all messages will remain the same.

Keysight Nemo support

- Support for ff2.55 is complete with the addition of support for Audio Quality Indication Uplink (AQIU) message.



- Support added for "Fast.com" OTT App type, setting attribute **OTT_APP_TaskType**.

PCTel SeeGull scanner DTR Export support

- Support added for array attribute **NR_Scan_CellID_SortedBy_RSRP** from SIB1 messages.

Qualcomm QXDM / chipset support

- Support added for setting Carrier Aggregation attributes / events, when typically required log codes are not enabled in the log file recording (0xB886 NR 5G MAC DL TB Report, or 0xB9A7 NR 5G ML1 DLM2 CA Metrics Request). Measurements per carrier inside the NR 5G MAC PDSCH Status message are checked to determine the number of configured and active carriers. Configured carriers are held until the end of the RRC connection, and active carriers are reported according to the contents of the NR 5G MAC PDSCH Status message. Once the number of reported carriers goes above 1 or below 2 the corresponding CA Activation / Deactivation events are triggered.
- Improvements made to the decode of NR 5G ML1 Searcher Measurement Database Update Ext, v2.10 (0XB97F), correcting an intermittent issue where some attributes were not decoded correctly.
- Added support for **NR_UE_NR_ARFCN_DL** and **NR_UE_PCI** to be set from NR 5G ML1 Searcher Measurement Database Update Ext, v2.10 (0XB97F), even when the RSRP and RSRQ contain invalid values within the message, for a particular carrier component measurement.

Rohde & Schwarz SmartONE (ROMES4) support

- Support added for multi-part RSCMD files within the same SQC container.
- Improvements made to the array index in setting **LTE_UE_RSRP_for_PCI**.

Rohde & Schwarz SmartONE (QualiPoc / SmartBenchmark) support

- Support added for LTE RRC State message into Message Browser only.

Samsung chipset support

- Support updated for NR PHY Debug Statistics message, correcting PUCCH and PUSCH Power attributes.

Event Detection

- Event detection efficiency of VoLTE / VoNR has been improved.
- VoLTE / VoNR event detection improvements, including support for calls failing with 500 Internal Server Error.



Generic

- Improvements made to decoding of embedded UE-CapabilityRAT-container.



Application Layer Improvements

Cellrefs

- Improvements made to processing cellrefs when NCI (NR_Cell field) is set to "required" in the corresponding INI file.



Platform Improvements

Preferences Settings

- New setting added for users of TEMS Refined Streams:

Format > TEMS > Prefer Refined Streams

When files with both raw and refined streams are opened, this setting selects which of the streams should be loaded.



Documentation Changes

- Infovista TEMS Refined has been added as a new supported format, subject to additional price list consideration.



Known Issues and Obsolescence

Known Issues

- None

End of Life announcements

- In line with Microsoft recommendations, Windows Server 2012 has now moved to End of Life support, and as a minimum, should be upgraded to Windows Server 2012 R2.

Product Support for previous versions

- Versions of Analyzer supported by the Analyzer Product Support team shall be limited to the current version and previous 12 monthly releases, in a sliding window.