

# AT.2048 software release notes

## 1. Software 1.28.X

Date	15/09/2022
Software version	1.28.3
Firmware versions	E1-58D6

Improvements included in this software / firmware release are listed in the following table:

#	Description	Remarks
1	Includes new local one-way delay test in E1 mode to enable measurement of forward and backward latency with a single unit and without the need for an external clock reference.	<ul style="list-style-type: none"><li>Requires the Local One-way Delay Measurement</li></ul>
2	Support transmission speeds up to 10 Mb/s in synchronous data communications interfaces: X.21 / V.11, V.35, V.36 (RS449), EIA-530, EIA-530A	<ul style="list-style-type: none"><li>Requires Datacom test licenses to be unlocked.</li></ul>
3	More accurate terminology for data communications frequency results. Now the unit displays the clock circuit where the frequency was measured	<ul style="list-style-type: none"><li>Requires Datacom test licenses to be unlocked.</li></ul>
4	More attractive and advanced format for PDF reports. Support for MTIE and TDEV charts and tables in reports.	
5	Graphical export of charts generated from the Event logger function in PDF format.	
6	Adds compatibility with the latest ATSL SNMP MIB library (atsl-mibs-2022-07).	

The most important bug corrections included in this software / firmware release are listed below:

#	Description	Remarks
1	-	-

## 2. Software 1.24.X

Date	12/03/2020
Software version	1.24.1
Firmware versions	E1-4D6E

Improvements included in this software / firmware release are listed in the following table:

#	Description	Remarks
1	The mask selection menu in MTIE / TDEV tests has been improved. Latest masks from the standards are now available including the ePRC, ePRTC, PRTC-B and BC Class C masks.	<ul style="list-style-type: none"><li>Requires the E1 wander test software option to be installed in the equipment.</li></ul>
2	Miscellaneous improvements in the E1 menu structure: A "Match RX" has been added to many transmitter settings to enable coupling with the receiver. The "Tributary interface" now enables more simple configuration of E1 add / drop and mux / demux modes.	
3	New loopback and pass-through modes for E1. The new pass-through mode now enables forwarding between transmission ports.	
4	Asynchronous mode for the datacom X.21 / V.11 / RS422 interface.	<ul style="list-style-type: none"><li>Requires the <i>Datacom</i> software option to be enabled in the unit</li></ul>

#	Description	Remarks
5	Data-to-clock phase controls for datacom synchronous interfaces.	<ul style="list-style-type: none"> <li>Requires the <i>Datacom</i> software option to be enabled in the unit</li> </ul>
6	Performance objectives with Pass / Fail results are now available for latency tests in E1, datacom, G.703 / E0 and VF interfaces.	<ul style="list-style-type: none"> <li>Requires that the software option corresponding to interface where the latency test is going to run to be enabled in the unit</li> </ul>
7	Improved VF test that now has a more optimized menu structure.	
8	Adds support for a new version of the file manager with improved disk quota management.	
9	Adds compatibility with the latest ATSL SNMP MIB library (atsl-mibs-2019-12).	<ul style="list-style-type: none"> <li>Requires the <i>SNMP</i> software option</li> </ul>

The most important bug corrections included in this software / firmware release are listed below:

#	Description	Remarks
1	-	-