

SERVICE BULLETIN

# TALYS ADP300 Series

## Software update

Production Key - version 1.0.7

End User Key - version 1.0.8

Update Package - version 1.0.7

PROJECT NAME TALYS-ADP300		BASED ON N.A.		
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# 1. Purpose and Basic Description

This guide is made available in order to update a TALYS ADP310 or ADP320 with the latest software package.

# 2. Applicability

Analyzer with serial numbers 1778627-001 and older. Newer analyzers come with the updated version from the factory.

# 3. Software Prerequisites

The analyzer must be an ADP model. The whole software will be upgraded and therefore, there is no prerequisite of a software version to start from. This Service Bulletin is therefore **cumulative**.

# 4. Parts and Tools Required

- External PC (generic computer).
- USB key formatted in FAT32.

# 5. Release Notes

**Version V1 APR 2021; April 2021:**

Issue key	Description	Status
TALDC-2071	The ADP320 configuration shall include SC1, DHF and Undefined chemistries.	Closed
TALDC-2012	The Event Viewer link shall be removed from the Windows task board and its shortcut kept in the D:/Service Tools.	Closed
TALDC-2011	The E drive disk space shall be increased to 15gigs to accommodate for the size of the ADP backups.	Closed
TALDC-2000	The Planned Display Management shall behave similar to the TALYS single channel.	Closed
TALDC-1994	The End User Key shall include the ADP310 set of software images.	Closed
TALDC-1971	The x axis of the GUI trendlines shall display 120 samples in ADP310 and 360 in ADP320.	Closed

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TALDC-1922	Fix the Current Day Report so that it contains 1 day of data.	Closed
TALDC-1905	Make sure that the chemistries are selected at SC1 and active when the analyzer is shipped from factory.	Closed
TALDC-1904	The UpdateConfig folder on the desktop must not have a space so that the update of the configuration will work.	Closed
TALDC-1895	Make the Remote Desktop access blocked for 30 minutes after 5 unsuccessful logins.	Closed
TALDC-1856	The clock on the GUI shall not flash when both chemistries are set to NONE.	Closed
TALDC-1851	The Daily Cleanup shall keep 42 days of Daily Reports instead of 84.	Closed
TALDC-1843	Due to the time it takes to produce a report of a full day of measurements, add questions to ask which sampling point and for which duration the report must be produced when manually triggered.	Closed
TALDC-1830	The commitLog.txt file generated by the Commissioning Tool shall specify the sampling point on which the operation was performed.	Closed
TALDC-1772	To accommodate the Windows Edge info messages in the Windows Event Viewer, increase the Windows log size to 120megs.	Closed
TALDC-1461	The standard BIOS does not allow booting from a USB key.	Closed
TALDC-1113	Make the remote update of the software via the BODRIV application possible.	Closed
TALDC-228	Bundle the FTSW Standalone Application Configuration Installer as part of the End User USB Key.	Closed

**Version TALYS-ADP 1.0.6; October 2021:**

Issue key	Description	Status
ICE-390	The "Error detected on channel [X], ZPD correction calculation switch to channel [X]" error in the linux log has been reworked to appear onto every 1000 scans, to cover the case when there is no fiber connected.	Closed
ICE-391	The "Shared memory usage ([XX] MB) has reached [XX] MB of usage" has been reworked so that the threshold is 220megs instead of 90megs, and that it will appear at increments of 10megs instead of 5megs.	Closed
ICE-392	The Version.inf file was not always read properly at boot up, causing a display issue on the web page accessible via Remote Desktop Protocol.	Closed
ICE-394	Automatic reconnection from InstrumentControl to IR SOURCE DRIVER after connection failure.	Closed
TALADP-57	Some of the .evtx files of the get logs were not always generated following a command to get the logs.	Closed

**Version TALYS-ADP Production Key 1.0.7 - End User Key 1.0.8 - Update Package 1.0.7;**

**April 2022:**

Issue key	Description	Status
TALADP-91	<b>Bug:</b> lost of maintenance port connection permanently after a change of analyzer IP address to a static address and an extra re-boot.	Closed
TALADP-88	<b>Feature:</b> possibility to change the IP address of the analyzer via the End-User USB Key.	Closed
TALADP-84	<b>Feature:</b> reintroduction of the DoRename function on the End-User USB Key to add an "x" back at the beginning of a folder after completion of the command.	Closed

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## 6. References

AA026611-01 User Manual

## 7. Creating a Backup

The current procedure will return the analyzer to the default factory configuration, erasing all data on the hard drive. If any information needs to be saved prior to the update, please do so manually by connecting to the analyzer via Remote Desktop Protocol. If you have to connect a physical cable to the analyzer, please do so on the maintenance port (top LAN connector).

Licence: D:\ABB\TALYS-AS\Enablir\license.dat

Spectrum backups: E:\ABB\AnalyzerSoftware\Backup

Daily chemical reports: E:\ABB\AnalyzerSoftware\Reports

References: E:\ABB\Enablir\persistence

Application configuration: E:\ABB\AnalyzerSoftware\Configuration

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## 8. Updating the End User USB Key

- 1) On your external PC, retrieve the latest End User Key package “end-user-key-dist-1.0.0-1.0.8.zip” from:

<https://spaces.hightail.com/space/daOKqRYqL6>

or

<https://search.abb.com/library/Download.aspx?DocumentID=SW%2fTALYS%2fADP310%2fMAIN&LanguageCode=en&DocumentPartId=&Action=Launch>

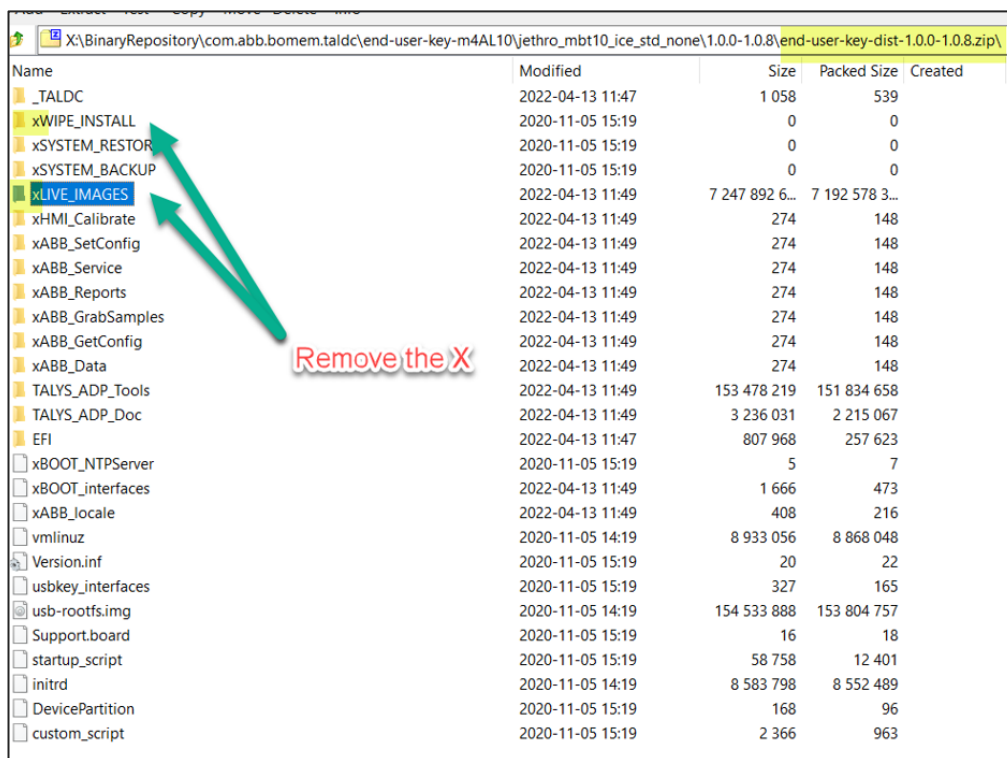
- 2) Unzip the package onto the End User USB Key provided along with the analyzer.

- \_TALDC
- xWIPE\_INSTALL
- xSYSTEM\_RESTORE
- xSYSTEM\_BACKUP
- xLIVE\_IMAGES
- xHMI\_Calibrate
- xABB\_SetConfig
- xABB\_Service
- xABB\_Reports
- xABB\_GrabSamples
- xABB\_GetConfig
- xABB\_Data
- TALYS\_ADP\_Tools
- TALYS\_ADP\_Doc
- EFI
- xBOOT\_NTPServer
- xBOOT\_interfaces
- xABB\_locale
- vmlinuz
- Version.inf
- usbkey\_interfaces
- usb-roots.img
- Support.board
- startup\_script
- initrd
- DevicePartition
- custom\_script

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## 9. Updating the Analyzer Embedded Software

- 1) On the End User USB key that was just updated, remove the “x” in front of WIPE\_INSTALL and LIVE\_IMAGES folders:

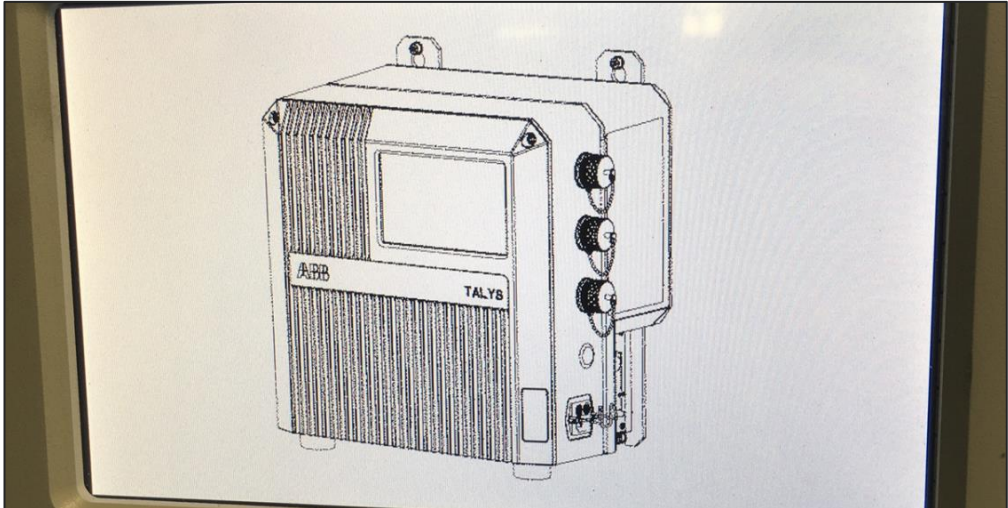


- 2) Connect the USB key to the analyzer.
- 3) Power cycle the analyzer.
- 4) Wait about 12 minutes for the update process to complete. There will be a message on the screen saying that the update is complete.
- 5) Remove the USB key.
- 6) Power cycle the analyzer.

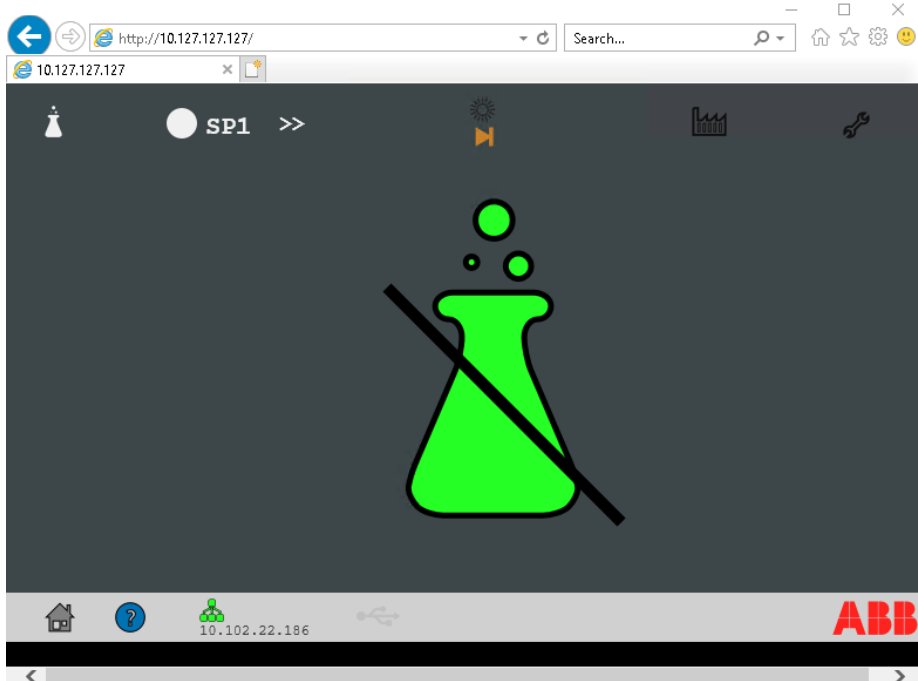
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7) The following image will appear on the screen after a couple of minutes:



8) And then after about 5 minutes:



9) Connect to the Analyzer via Remote Desktop Protocol.

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10) Such pop-up window will appear:



- 11) Click YES.
- 12) Copy the licence.dat in D:\ABB\TALYS-AS\Enablir\.
- 13) Perform a CommitSoftwareUpdate (link in the D:\ServiceTools).
- 14) If you previously saved the persistence folder above:
  - a. Turn off the Application via the Commissioning Tool.
  - b. Copy to E:\ABB\Enablir\persistence the previously saved persistence folder.
  - c. Turn on the Application via the Commissioning Tool.
- 15) Perform commissioning as detailed in the User Guide:
  - a. If requested, do a LCD (HMI) calibration.
  - b. If you previously saved an Application Configuration, reload the previous saved Application Configuration by following the User Guide procedure.

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- c. If you have not previously saved an Application Configuration, if applicable, convert the ADP310 to an ADP320 model by performing the appropriate section in the User Guide.
- d. Adjust the slope and bias by performing the appropriate section in the User Guide.
- e. Run an OQT0006 to confirm the performance of the analyzer.
- f. Run an OQT0008 to confirm the performance of the analyzer.

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## 10. Revisions

Rev.	Page (P) Chapt. (C)	Description	Date Dept./Init.
A	All	April 2022 Cumulative Service Bulletin.	April 2022
B	All	Updated with the information of the latest bug fixes.	May 2022
C	All	Update via USB key instead of via BODRIV applet to assure WIPE_INSTALL.	July 2022

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