Release Notes

HSP-SP V14.3.0

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1. Introduction

1.1. Definitions and Abbreviations

Term/Abbreviation	Definition
EHI	**E**TAS **H**elp Desk **I**nternational
HSP	Hardware Service Pack
HSP-UT	HSP-Update Tool
HW	Hardware
KIR	**K**nown **I**ssue **R**eport – For severe Problem Reports which occur after a release, ETAS has introduced the Known Issue Report to inform affected customer immediately. The current Known Issues of former versions can be found on the ETAS website: http://www.etas.com/kir
PR	Problem Report
SW	Software

1.2. Conventions

The following typographical conventions are used in this document:

Choose File → Open.	Menu commands are shown in boldface.
Click **OK**.	Buttons are shown in boldface.
Press <ENTER>.	Keyboard commands are shown in angled brackets.
The "Open File" dialog box is displayed.	Names of program windows, dialog boxes, fields, etc. are shown in quotation marks.
Select the file setup.exe	Text in drop-down lists on the screen, program code, as well as path- and file names are shown in the Courier font.

1.3. User Documentation

The HSP-UT user's documentation in PDF format can be found on the Download Center - ETAS.

2. Product Definition

2.1. Functions at a glance

The **H**ardware **S**ervice **P**ack is a product for the firmware management on the ETAS hardware.
This product consists of three components.

- HSP Update Tool
- HSP Service Pack
- LABCAR-FWP

The HSP Update Tool is the user Interface for the firmware update process. This tool enables an easy update of the firmware in the ETAS hardware and gives clear information on the current versions of the firmware contained in the hardware. The HSP Service Pack and LABCAR-FWP contains the actual firmware, i.e. the files that will be downloaded to the hardware.

These release notes are valid for the HSP Update Tool component. The release notes for the firmware part can be launched for each installed HSP version in the HSP Update Tool.

The content of this release notes, i.e. Chapter 3, can also be launched from the HSP Update Tool for each installed Service Pack version.

2.2. General Description

2.2.1. System Prerequisites

The following minimum system prerequisites have to be met:

Required Hardware	2,0 GHz Dual-Core PC or equivalent
	2 GB RAM
	Network adapter
	Graphics with a resolution of 1280 x 1024, 128 MB RAM
Supported Operating System	Windows® 10 – 64bit, Windows® 11,
	Windows® Server 2019, Windows® Server 2022
Required Free Disk Space	2 GB

The following system prerequisites are recommended:

Recommended Hardware	3 GHz Quad-Core PC or equivalent
	4 GB RAM
	Network adapter
	Graphics with a resolution of 1280 x 1024, 128 MB RAM

Recommended Operating System	Windows® 10 – 64bit or higher
Recommended Free Disk Space	>2,0 GB

2.2.2. Software Prerequisites

All needed prerequisites are contained in the HSP installation package.

2.2.3. Restrictions

As of HSP V9.0.0 the HSP Update Tool cannot be installed on Windows 2000 or earlier Windows versions.
As of HSP V10.6.0 the HSP Update Tool cannot be installed on Windows® XP or earlier Windows versions.
As of HSP V13.4.0 the HSP Update Tool cannot be installed on Windows® 7 or earlier Windows versions.
As of HSP V14.0.0 the HSP Update Tool cannot be installed on Windows® 8 or earlier Windows versions.

2.3. Delivery

The HSP product is distributed by download from the ETAS home page www.etas.com and on the installation media of ETAS software related with the HSP product.

The HSP download format is a ZIP file. Windows may block the installation of files downloaded from internet. In that case, please note:

Important: Please make sure that downloaded content is recognized by Windows as trusted.

After Downloading the ZIP file, select "Properties" via right-click -> "General" Layer -> press "Unblock" button at Security Option.

Afterwards you may extract the ZIP file and install Service Pack as usual.

2.3.1. Used 3rd Party Software

Used 3rd party software and related licenses are documented in the file:
　　　　　HSP-UT_OSS_Attribution_Document.pdf.
This file can be found by clicking the Help – Open Source Software Attributions... in the HSP Update Tool User Interface. The window that then opens shows the OSS attributions for the delivered firmware.

2.4. Installation

Name of the installation package for this release: HSP V14.3.0.zip.
After unzipping the package, the installation starts by double clicking the setup.exe file.

If you want to install HSP silently or distribute it within a distribution package, please read the Setup HSP Installation.pdf.

The installation procedure is described in the HSP Getting started document.

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2.5. Licensing

No license is needed for the use of HSP Update Tool.

3. Changes

This chapter describes changes with respect to the previous version of HSP Update Tool.

Configuration	Version	Release Date
HSP	V14.3.0	2024-12-10

3.1. What's New

This chapter describes new or enhanced functions delivered with this HSP version.

Description	Products	Released With
Support of XETK-S16.0D supporting PCIe	XETK-S16.0D	HSP V14.3.0
Support of ES134.1: 2 channel LIN device, Ethernet connection	ES134	HSP V14.3.0
Support of ES570.1: Gigabit Automotive Ethernet TAP	ES570.1	HSP V14.3.0
Support of MCE-PC (Linux): iLinkRT V3 - 1ms timing	MCE-PC	HSP V14.3.0
Allow HSP downdate of components based on the specific HW state of the ETK. For example, HW state C0xx has less restrictions than HW state E0xx.	XETK-S22.0B, XETK-S22.0D, XETK-S16.0A	HSP V14.3.0
Setting the configuration feature "IFSupplyVoltage" to 1.8V or 2.5V is only possible for HW state E0xx or higher.	XETK-S22.0B, XETK-S22.0D, XETK-S16.0A	HSP V14.3.0
Update the configuration feature "PcieLecuSelect" to start with index 1, instead of index 0. The value 0 will not be accepted by the ETK.	XETK-S16.0A	HSP V14.3.0
Logger Mode: Add firmware and hdc version to error mailbox	BR_XETK-S3.0A, BR_XETK-S3.0C	HSP V14.3.0
Improve handling of DAQ list event channel handling for dynamic configuration	BR_XETK-S3.0A, BR_XETK-S3.0C	HSP V14.3.0
Release HW Debug Arbitration for BR_XETK-S3.0	BR_XETK-S3.0A, BR_XETK-S3.0C	HSP V14.3.0

3.2. Compatibility to Earlier Releases

No compatibility issues known.

3.3. Corrected Errors

This section describes the set of fixed problems in this version of HSP-Update Tool.

Call ID	Description	Products	Released With
769209	INCA stops measurement due to failed to allocate output table memory	FETK-S1.1A, FETK-S2.1A, FETK-T1.1A, FETK-T1.1B, FETK-S1.1B, FETK-T4.0B, FETK-T5.0A	HSP V14.3.0
774192	XETK DAP error counter not working as expected	XETK-S20.0B, XETK-S20.1B, XETK-S30.0C, BR_XETK-S3.0A, BR_XETK-S3.0C	HSP V14.3.0

| 776513 | Reverted JTAG performance improvements from HSP V14.2.0 | XETK-S22.0B, XETK-S22.0D, FETK-T3.0A | HSP V14.3.0 |
| 773653 | ES16x: Unavailability of ES160 device in HSP and Mode/Speed LED freezes while Performing Data Traffic | ES160, ES162, ES165 | HSP V14.3.0 |

3.4. Known Issue Reports

If a product issue develops, ETAS will prepare a Known Issue Report (KIR) and post it on the internet. The report includes information regarding the technical impact and status of the solution. Therefore, you must check the KIR applicable to this ETAS product version and follow the relevant instructions prior to operation of the product.

The Known Issue Report (KIR) can be found here:

http://www.etas.com/kir

3.5. Known Issues

This section describes the set of known problems of the released version of HSP Update Tool.

3.5.1. Hardware related Items

	Description	Products
645499	When using more than 4 analog outputs, i.e. needs more than one ES930 device, a measurement label has to be added to the INCA project. Otherwise no signal will appear on any analog output channel.	ES930.1
728395	The exchange of configuration files in the WEB UI is not possible between ES89x.1/ES88x.1 and ES89x.2/ES88x.2 devices. An error message in the Web UI appears	ES882.2, ES891.2, ES892.2, ES891.1, ES892.1, ES882.1, ES886.1, ES886.2
724631	Device initialization with configurations using wakeupEnabled=false may fail	ES583.1
	PLEASE NOTE: If an ES58x device is connected to the PC during the USB driver update, then a reset of the device, i.e. unplugging and replugging the device is recommended.	ES582.1, ES582.2, ES584.1, ES584.2
	ES570: if connected to an ES88x/ES89x device, the Keep-Alive function at the corresponding GE-port of the ES88x/ES89x device MUST be disabled.	ES570.1

4. Contact, Support and Problem Reporting

For details of your local sales office as well as your local technical support team and product hotlines, take a look at the ETAS website:

ETAS subsidiaries   www.etas.com/en/contact.php

ETAS technical support www.etas.com/en/hotlines.php