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## HSP-SP V12.0.0

Release Notes

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## 1 Introduction

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### 1.1 Definitions and Abbreviations

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Term/Abbreviation	Definition
EHI	<b>ETAS Help Desk International</b>
HSP	Hardware Service Pack
HSP-UT	HSP-Update Tool
HW	Hardware
KIR	<b>Known Issue Report</b> – 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: <a href="http://www.etas.com/kir">http://www.etas.com/kir</a>
SW	Software

## 2 Product Definition

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### 2.1 Functions at a glance

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The **Hardware Service Pack** is a product for the firmware management on the ETAS hardware.

This product consists of two components.

- HSP Update Tool
- Service Pack
  - LABCAR Hardware (LABCAR-FWP)
  - MCD Hardware (SP)

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 Service Pack contains the actual firmware, i. e. the files that will be downloaded to the hardware.

These release notes are valid for the HSP MCD Hardware Service Pack.

**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

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#### 2.2.1 System Prerequisites

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The following minimum system prerequisites have to be met:

HSP V12.0.0 has to be installed. See the HSP-UT release notes or Getting Started for information about the HSP installation.

### 3 Changes

This chapter describes changes with respect to the previous HSP versions and lists the current known issues

#### 3.1 Configuration Information

Configuration	Version	Release Date
HSP	V12.0.0	2020-03-31

#### 3.2 Released Features

##### 3.2.1 New or Enhanced Functions

With this release, the following functionality has been added. This list also shows features of existing previous refreshes of this HSP major version.

Description	Products	Released With
Concurrent XCP debugging and PROF flashing	BR_XETK-S3.0A, BR_XETK-S4.0A	HSP V12.0.0
Enhancements to ETK Debugger Comm interface to provide: Ability to detect if an XETK or FETK type is present; Ability to request the ETK to skip trace setup	XETK-S22.0B, XETK-S22.0D, FETK-T3.0A	HSP V12.0.0
New feature "ContinueMeasurementOnOverflow", which allows a faster recovery in trace data after an overflow occurs.	FETK-T3.0A	HSP V12.0.0

##### 3.2.2 Corrected Errors

The following table contains all errors that have been corrected in this and previous refresh releases.

Call ID	Description	Products	Released With
626970	ECU traps due to EE change when ECU is off	XETK-S20.0B, XETK-S20.1B, XETK-S30.0C, BR_XETK-S1.0A, BR_XETK-S3.0A, BR_XETK-S4.0A	HSP V12.0.0
629990	ECU traps due to switching to new PC without stopping the measurement before	XETK-S20.0B, XETK-S20.1B, XETK-S30.0C, BR_XETK-S1.0A, BR_XETK-S3.0A, BR_XETK-S4.0A	HSP V12.0.0
623391	Advance Handshake: 'RAM valid' bit mistakenly cleared in some cases on simultaneous ECU / XETK power up.	XETK-S21.0B, XETK-S22.0B, XETK-S22.0D, XETK-S16.0A	HSP V12.0.0
629341	XETK Boot: XETK releases reset too early during power on.	XETK-S22.0B, XETK-S22.0D, XETK-S16.0A	HSP V12.0.0

629560	XCP timeout during hardware initialization in some cases with 20MHz JTAG and Limited Emulation RAM Toolbox active. Also requires INCA 7.2.16 or 7.3.0.	XETK-S21.0B	HSP V12.0.0
628338	Loss of JTAG communication after running reset.	XETK-V2	HSP V12.0.0
628211	JTAG access occurs up to 4 bytes beyond defined memory segments, potential to trigger ECC error.	XETK-S22.0B, XETK-S22.0D, FETK-T3.0A	HSP V12.0.0
631530	Potential for Aurora training to fail during first attempt, in particular setups at cold temperature.	XETK-S22.0B, XETK-S22.0D, FETK-T3.0A	HSP V12.0.0
629165	Lauterbach debugger unable to halt the microcontroller at the reset vector when used behind the FETK.	FETK-T3.0A	HSP V12.0.0
631417	Update default configuration of the features "EarlyTraceSetupWithReadyPattern" and "TraceOverrunCpuDelay" to match the XETK-S22.	FETK-T3.0A	HSP V12.0.0
630806	Measurement configuration not downloaded to ECU when using "Enhanced Coldstart" and switching between two measurement configurations which only differ by the trigger field entry.	ES891.1, ES892.1	HSP V12.0.0
615	Online bist with Lauterbach debugger isn't working correctly. 'Bist Status' to the debugger has the wrong polarity.	XETK-S22.0B, XETK-S22.0D	HSP V12.0.0
631255	MCE with ETK does not allow to calibrate after read error due to T15 off	ES910.3	HSP V12.0.0
631921	Second start of measurement failed when using ETK-S6	ES910.3	HSP V12.0.0
626364	J2534 Provider does not work correctly with DiagRA. Please install the USB driver contained in this HSP version.	ES582.1, ES584.1	HSP V12.0.0
622250	CAN measurement becomes offset together with monotony error after 300 sec. Please install the USB driver contained in this HSP version.	ES582.1, ES584.1	HSP V12.0.0
629854	Signal offset between XCP and CAN signals visible. Please install the USB driver contained in this HSP version.	ES582.1, ES584.1	HSP V12.0.0

### 3.2.3 Known Issues

The following table contains known problems open for this release.

Call ID	Description	Products
600627	Communication Error between Host and ES830 when StopOS is clicked while X/FETK is disconnected or powered off. Workaround: Wait 3 minutes (time out) until the System restores communication.	ES830.1
611162	Error E_OS_LIMIT can appear in the log Files when reloading the ES8xx WEB GUI during model execution. Task activation time is exceeded. Workaround: Avoid reloading the WEB GUI during model execution on the ES830.	ES830.1
132476	Currently, the recovery time for the persistent internal TAP configurations of the ES886 is around 9s after the device boot. This delay influences the vehicle network and it could affect the communication of the ECUs.	ES886.1
616728	Web GUI reaction to slow after default factory settings reset. Workaround: Wait some seconds after default factory reset and restart, before searching the Hardware in HSP or WEB GUI.	ES830.1

## 4 Contact, Support and Problem Reporting

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

ETAS subsidiaries                      WWW: [www.etas.com/en/contact.php](http://www.etas.com/en/contact.php)

ETAS technical support                WWW: [www.etas.com/en/hotlines.php](http://www.etas.com/en/hotlines.php)