Setup HSP Installation – for Admins

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Table of Contents

1   About this document

This document gives information about how install the Hardware Service Pack product (HSP) with automated administrative installation tools as a silent or passive installation.

With HSP 11.10.0 the HSP installation executable has been migrated to the ETAS GENESIS Framework i.e. the way that HSP is installed has changed with that version.

Note: The Automated Installation Kit (AIK) for HSP, available until HSP 11.9.X is obsolete and cannot be used anymore to install HSP!

This document replaces the "HSP Automated Kit Manual" document ("HSP Automated Installation Kit.pdf").

2   General Information

The HSP Installation basically consist of

- The HSP Update Tool, which is a windows application for the user to control the firmware update.
- The HSP Service Package that contains firmware files of the HSP release to update ETAS hardware (except Labcar hardware).
- The LABCAR-FWP Service Package that contains firmware files to program ETAS LABCAR hardware.

Please note the following characteristic of the HSP installation:

- There is always only one HSP Update Tool application installed on a PC.
- The HSP Update Tool is always downward compatible and allows to select and program Service Packages from older HSP versions.
- The HSP installation upgrades an HSP Update Tool to a higher version if necessary. If there is a higher HSP Update Tool version already installed on a PC, then only service packages are installed.
- If a HSP version will be installed on a PC, already installed Service Packages will be available beside the new Service Packages.
- To uninstall already installed Service Packages use the application UninstallHSP.exe. (See chapter 0)

3 Automated Installation

3.1 General information

For automated installation, you may have a look into the file "setup.pdf" of the HSP installation package. You can also call setup.exe with parameter "/help" to get information about available parameters.

There are two ways to define settings for the installation.

- Defining command-line parameters in the call of setup.exe.
- Modification of the file "InstallationDefaultSettings.xml".

3.2 Setup the Installation by Command Line

The following examples show calls of the setup.exe file with various command-line parameters.

The following command line installs HSP silently with the default settings. The parameter "/EULAAccepted" is required to accept the End User License AgreementIf not specified, the installation will fail with an error message. The parameter "/SafetyHintsAccepted" accepts a safety hint if one is added in a future HSP installation. Today is does not have to be specified. Set the parameter "/UninstallPreviousVersion" to make the installation possible, even if a HSP product is already installed on the PC. "/UninstallPreviousVersion" does not uninstall any Service Packages from the PC, only the HSP Update Tool is upgraded to a higher version if a lower version is installed on the PC.

```
Setup.exe /Silent /UninstallPreviousVersion /EULAAccepted /SafetyHintsAccepted
```

The following command line specifies the installation directory of the HSP Update Tool and the directory where HSP data is stored. To set these parameters specify the package "HSPUpdateTool" with the "/Package" Parameter:

```
Setup.exe /Silent /UninstallPreviousVersion /EULAAccepted /SafetyHintsAccepted
/Package:"Name=HSPUpdateTool; Action=Install; PRODINSTDIR=C:\ETAS\HSP Update Tool;
PRODDATAINSTDIRALL=D:\ETASData\HSP"
```

The following command line additionally specifies the global directories for ETAS temp files and ETAS Log files and the global language setting for ETAS applications. To set these parameters the package "HSPGeneralSettings" has to be addressed with the "/Package" Parameter. The allowed values for the ETAS_LANGUAGE parameter are EnglishUS, German, French or Japanese:

```
Setup.exe /Silent /UninstallPreviousVersion /EULAAccepted /SafetyHintsAccepted
/Package:"Name=HSPUpdateTool; Action=Install; PRODINSTDIR=C:\ETAS\HSP Update Tool;
PRODDATAINSTDIRALL=D:\ETASData\HSP" /Package:"Name=HSPGeneralSettings;
Action=Install; ETAS_TEMPPATH=D:\Temp; ETAS_LOGPATH=D:\ETASData\LogFiles;
ETAS_LANGUAGE=French"
```

The following command line installs HSP silently with the default settings but does not install "Service Package LabcarFWP":

```
Setup.exe /Silent /UninstallPreviousVersion /EULAAccepted /SafetyHintsAccepted
/Package:"Name=ServicePackageLabcarFWP; Action=Skip"
```

The following command line installs HSP silently with the default settings but does not install "Service Package HSP":

```
Setup.exe /Silent /UninstallPreviousVersion /EULAAccepted /SafetyHintsAccepted
/Package:"Name= ServicePackageHSP; Action=Skip"
```

3.1 Setup the Installation using "InstallationDefaultSettings.xml"

A more simple way to configure an installation is to modify the file "InstallationDefaultSettings.xml". The file is contained in the root directory of the HSP installation package beside the setup.exe file.

It is possible to modify the file directly to specify settings for all PCs in a company. An alternative way that leaves the original version "InstallationDefaultSettings.xml" unchaged, is to place a modified copy of the file on a network or local directory and hand over the path to the file as command-line parameter as shown in the following example:

```
Setup.exe /Silent /UninstallPreviousVersion /EULAAccepted /SafetyHintsAccepted
/DefaultSettings:"\\ServerABC\Inst\HSPSettings.xml"
```

To specify installation directory of the HSP Update Tool and HSP Data Directory modifiy the attributes "defaultValue" of the variables "PRODINSTDIR" and "PRODDATAINSTDIRALL" of Package with ID "HSP HSPUpdateTool":

```
57    <Package ID="HSP HSPUpdateTool" displayName="HSP Update Tool">
58      <CustomParameters>
59        <Variable name="PRODINSTDIR" defaultValue="[globalvar:ProgramFiles]\ETAS\HSP Update Tool" validation="none" descript
60        <Variable name="PRODDATAINSTDIRALL" defaultValue="[envVar:SystemDrive]\ETASData\HSP" validation="none" descripti
61      </CustomParameters>
62    </Package>
```

The installation will ignore the setting of HSP Data Directory if a HSP installation with its HSP Data Directory currently exists on the target PC.

To prevent the installation of Service Package HSP or Service Package LabcarFWP set values <SelectForTypicalInstallation> shown in the following screenshot to "false":

```
1    <?xml version="1.0" encoding="utf-8"?>
2    <DefaultSettings xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchen
3      <Package ID="HSP ServicePackageHSP" displayName="Service Package HSP">
4        <SelectForTypicalInstallation>true</SelectForTypicalInstallation>
5      </Package>
6      <Package ID="HSP ServicePackageLabcarFWP" displayName="Service Package LabcarFWP">
7        <SelectForTypicalInstallation>true</SelectForTypicalInstallation>
8      </Package>
```

To specify the global directories for ETAS temp files and ETAS Log files and the global language settings for ETAS applications modify the attributes "defaultValue" of the variables "ETAS_TEMPPATH","ETAS_TEMPPATH" and "ETAS_LANGUAGE":

```
15      </Package>
16    <Package ID="HSP HSPGeneralSettings" displayName="HSPGeneralSettings">
17      <CustomParameters>
18        <Variable name="ETAS_TEMPPATH" defaultValue="[envVar:SystemDrive]\Temp" validation="path"/>
19        <Variable name="ETAS_LOGPATH" defaultValue="[envVar:SystemDrive]\ETAS\LogFiles" validation="path"/>
20        <Variable name="ETAS_LANGUAGE" defaultValue="EnglishUS" validation="none"/>
21        <Variable name="FirstName" defaultValue="" validation="none"/>
22        <Variable name="LastName" defaultValue="" validation="none"/>
23        <Variable name="Company" defaultValue="" validation="none"/>
24        <Variable name="Department" defaultValue="" validation="none"/>
25        <Variable name="AreaCode" defaultValue="" validation="none"/>
26        <Variable name="Phone" defaultValue="" validation="none"/>
27        <Variable name="EMail" defaultValue="" validation="none"/>
28        <Variable name="Street" defaultValue="" validation="none"/>
29        <Variable name="ZIPCode" defaultValue="" validation="none"/>
30        <Variable name="City" defaultValue="" validation="none"/>
31        <Variable name="Country" defaultValue="" validation="none"/>
32      </CustomParameters>
33    </Package>
```
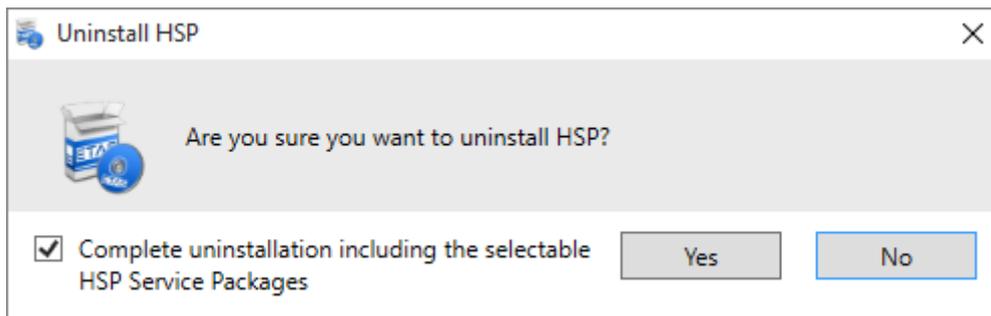
Setup HSP Installation – for Admins

4 Automated Uninstallation

4.1 General Information

For manual uninstallation of the HSP product, the user opens the Windows Control Panel and starts uninstallation procedure according to Windows standard. For automated uninstallation of the HSP product e.g. by script use the application "UninstallHSP.exe" which the HSP installation installs into the following directory:

C:\ProgramData\ETAS\HSP\Uninstall\UninstallHSP.exe

Executing the tool without any parameters opens the known "Uninstall HSP" Dialog from Windows Control Panel.

4.2 Command line examples

The following command line completely uninstalls the HSP Update Tool together with all data including all installed Service Packages. Valid for all examples: An uninstallation will not execute, if the HSP Update Tool is running:

```
UninstallHSP.exe /silent
```

The following command line uninstalls the HSP Update Tool but keep all Service Packages installed on the PC. If you then reinstall the HSP Update Tool, all previously installed HSP Service Packages are still available. Use this e.g. if you want to downgrade to an older HSP Update Tool version for some reason.

```
UninstallHSP.exe /silent /keepSP
```

Function mode

The function mode provides additional functionality. Valid for all examples: The tool will not execute functions, if the HSP Update Tool is running.

The following command line examples uninstall Service Packages from the HSP Installation while the HSP Update Tool will stay installed.

To uninstall all Service Packages:

```
UninstallHSP.exe /fm /UninstallSP "*"
```

To uninstall all Service Packages of type "HSP":

```
UninstallHSP.exe /fm /UninstallSP "1.*"
```

To uninstall all Service Packages of type "LABCAR-FWP":

```
UninstallHSP.exe /fm /UninstallSP "2.*"
```

To uninstall all Service Packages that have a beta version:

Setup HSP Installation – for Admins

```
UninstallHSP.exe /fm /UninstallSP "*beta*"
```

To uninstall all Service Packages of type "HSP" that have beta version

```
UninstallHSP.exe /fm /UninstallSP "1.*beta*"
```

To uninstall all Service Packages of type "HSP" that have beta version and all Service Packages of type "LABCAR-FWP":

```
UninstallHSP.exe /fm /UninstallSP "1.*beta*" /UninstallSP "2.*"
```

5 FAQs

This chapter answers questions that come up frequently regarding the automated installation.

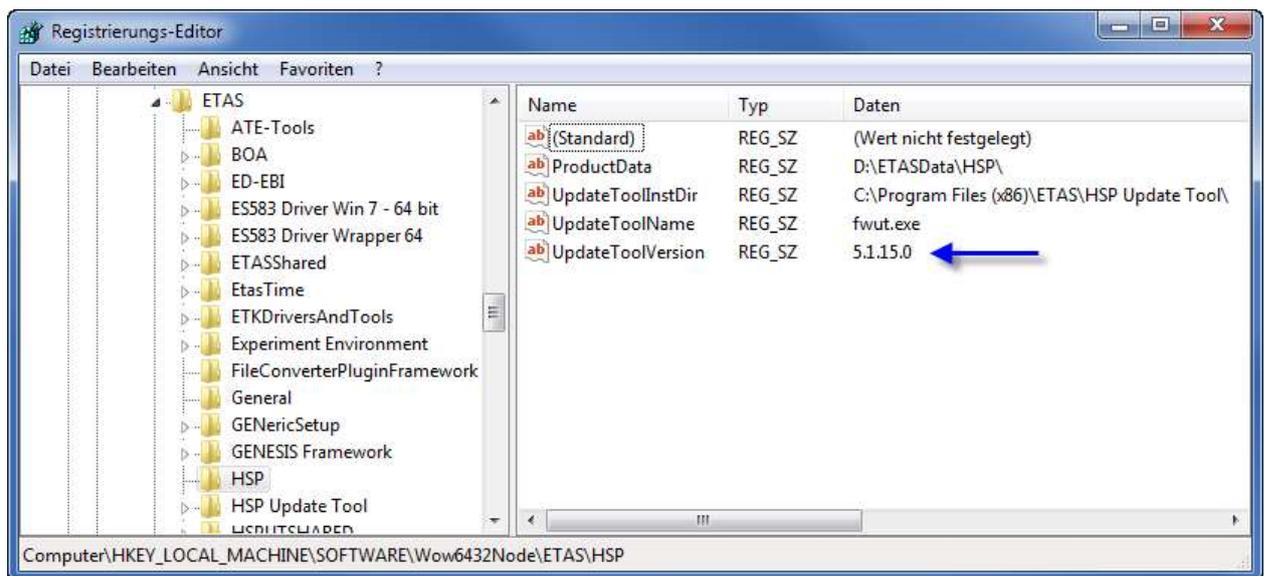**How to check programmatically, which HSP Update Tool version is installed on a PC?**

The version of the installed HSP Update Tool stored in the Windows Registry.

Registry key on Window 64-bit systems:

`HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\ETAS\HSP\UpdateToolVersion`

Registry key on Window 32-bit systems:

`HKEY_LOCAL_MACHINE\SOFTWARE\ETAS\HSP\UpdateToolVersion`

How to check programmatically, which Service Packages are installed on a PC?

Each Service Package that is selectable by the user from the HSP Update Tool GUI equates to a directory in the directory

> `[ETASDATA]\configs\`

The path to ETASDATA can be read from a Registry key.

Registry key on Window 64-bit systems:

`HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\ETAS\HSP\ProductData`

Registry key on Window 32-bit systems:

`HKEY_LOCAL_MACHINE\SOFTWARE\ETAS\HSP\ProductData`

See also the screenshot above.

Directories of HSP Service Packages start with the number 1. Directories of LABCAR-FWP Service Packages start with the number 2. The remaining numbers in the directory name specify the version of the Service Package. See the following image:

Setup HSP Installation – for Admins

To check if a HSP version (Service Package) is installed, only the presence of the corresponding directory has to be checked.

How to uninstall a special HSP Service Package leaving the HSP Update Tool and other HSP Service Packages installed?

To uninstall a special HSP Service Package version, just delete the corresponding directory in `[ETASDATA]\configs\`.

You can also call "C:\ProgramData\ETAS\HSP\Uninstall\UninstallHSP.exe" in function mode specifying appropriate command line parameters.

Is it necessary to install a Service Package on a PC using a SPI file or is possible to just copy a directory like "1.8.0.0" to the configs directory of another PC?

A firmware package has to be installed using a SPI file, because in this file also an update of the HSP database is contained. Copying just the directories will result in obsolete HSP database on the target PCs. The HSP database contains for instance important compatibility information.

Where to get SPI files to install Service Packages I a user has uninstalled a Service Package from the PC?

The HSP setup directory structure contains directories "\Packages\ServicePackageHSP" and "\Packages\ServicePackageLabcarFWP". These directories contain the SPI files of the installation to install the Service Packages. Executing "HspConfigManV2.exe" installs the SPI contained in the directory. HSP Update Tool must be installed to install the SPI.

How to get which Service Package is selected by the user?

The selection of a Service Package is stored for every user on a PC separately. The information is stored in a registry key.

    HKEY_CURRENT_USER\Software\ETAS\HSP Update Tool\Settings\SelectedConfig

Under this key the selected path to the directory containing to the selected Service Package is stored.

Setup HSP Installation – for Admins