ETAS INCA V7.5 Service Pack 3

Release Notes

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1. Introduction

Dear customer, in this file you will find the latest information about the ETAS INCA Service Pack. The INCA Service Pack will update automatically the most common ETAS INCA products on your computer (included ETAS products see Release Notes below).

For more detailed information on the included ETAS products, please refer to the corresponding release notes.

Important Note:

IT IS NECESSARY TO UPDATE ALL FIRMWARE WITH THE RECOMMENDED HARDWARE SERVICE PACK (HSP) V14.y BEFORE USING INCA V7.5 WITH HARDWARE

With each new ETAS INCA Service Pack, a higher HSP version must be used to update the hardware.

Operation of hardware with a previous firmware version may result in erroneous operation.

Starting with INCA V7.4 SP2, the HSP is included in the INCA Service Pack, and the the corresponding version is listed in the release notes below.

The latest recommended HSP version is also available on the ETAS download page.

1.1. Definitions and Abbreviations

Term/Abbreviation	Definition
CDM	Calibration Data Manager
EE	INCA Experimental Environment
EHI	ETAS Help Desk International
FW	Firmware
LiMa	ETAS License Manager
HSP	Hardware Service Pack
HF	Hotfix
HW	Hardware
MDA	INCA Measure and Data Analysis
MIP	Matlab Integration Package
MR	Multi-Recorders
OHI	Open Hardware Integration
OS	Operating System
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: www.etas.com/kir
PR	Problem Report
SP	Service Pack
SP z	

	Service Pack version z; z corresponds to the refresh version of INCA (refer also to V x.y.z below)
SW	Software
VSD	Variable Selection Dialog
V x.y.z	Version; x: major version; y: minor version; z: refresh version
WB (or NetWB)	Walkback, INCA system error

1.2. References

For further information, please refer to the release notes of the respective products shipped with the INCA Service Pack.

1.3. 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.
A *distribution* is always a one-dimensional table of sample points.	General emphasis and new terms are set in italics.

1.4. User Documentation

The INCA user documentation is available in PDF format on the DVD, the ETAS INCA Service Pack ZIP file (if downloaded from the ETAS Download Page), or in the installation folder on the PC.

It can be called up from INCA via the menu item **? → Manuals and Tutorial** or via the Windows start – menu: **→ Program → ETAS INCA 7.5→ Manuals and Tutorial.**

2. Product Definition

2.1. Functions at a glance

An ETAS INCA Service Pack (SP) is a single software bundle that is delivered as a ZIP file from the ETAS Download Page or on DVD. It contains:

- The latest version of INCA, the most important related INCA Add-ons, MDA, ETK-Tools and

HSP.

- An installation routine, which automatically installs the ETAS products or updates all ETAS products already installed on the user's PC and shipped with the current INCA Service Pack.

- Add-ons, which are not installed on the user's PC, will not be installed or updated automatically but on demand (selection via check box).

- Operation may require a valid license key.

- INCA and the INCA add-ons are available in the ZIP (or DVD) as single / separate installations as well. It is still possible to create user / company specific installations if required.
  If an add-on is not installed, it could be installed manually by starting the corresponding installation. But this is no longer recommended. Recommended is to use the `Setup_ServicePack` to guarantee that all products are updated to the same release level.

- INCA Refreshes, Hotfixes and AddOns will no longer be available on the download page as single downloads.

- The Release Notes, What's New, updated Manuals and Open Source Software Attribution documentation of INCA and the included INCA AddOns are collected in folder `"Documentation"`
  After successful installation of the INCA Service Pack with `Setup_ServicePack` the complete content of folder `"Documentation"` is available via
  Program-Menu -> ETAS -> INCA 7.4 ServicePack
  or directly on `<INCA 7.5 installation path>\Readme\INCA_ServicePack.`

2.2. General Description

2.2.1. Safety Notice

Calibration activities influence the behavior of the ECU and the systems controlled by the ECU. This may result in unexpected behavior of the vehicle and thus can lead to safety critical situations.

Only well-trained personnel should be allowed to perform calibration activities.

Sending CAN messages influences the behavior of the CAN bus network and the systems connected to it. This may result in unexpected behavior of the vehicle and thus can lead to safety critical situations.

Only well-trained personnel should be allowed to perform CAN message sending activities.

Calibrate measurement (Write to RAM) activities influence the behavior of the ECU and the systems controlled by the ECU. This may result in unexpected behavior of the vehicle and thus can lead to safety critical situations.

Only well-trained personnel should be allowed to perform calibrate measurements activities.

Important: The ETAS Safety Advice is available for several languages. Please read it carefully. The ETAS Safety Advice is displayed during start of INCA (Disclaimer) and it is also available in `ETAS_Safety_Advice.pdf` in the folder `\Documentation\ReleaseNotes\` of the installation package (ZIP file or DVD)
or after installation of the INCA Service Pack in

Program-Menu -> ETAS -> INCA 7.4 ServicePack in the folder `\ReleaseNotes`.

2.2.2. Known Issues Reports

If a technical problem occurs, ETAS creates a Known Issue Report (KIR) and publishes it online. The report contains information about the technical impact and the status of the solution. Therefore, you must check the KIR applicable to this ETAS product version and follow the corresponding instructions before using the product.

The Known Issue Report (KIR) can be found here: http://www.etas.com/kir

2.2.3. System Prerequisites

The Service Pack has the same minimum system prerequisites as the included products and add-ons. Please refer to the Release Notes of the corresponding products that are shipped with the Service Pack.

2.2.4. Software Prerequisites

Please refer to the Release Notes of the corresponding products that are shipped with the ETAS INCA Service Pack.

The required third-party software is installed automatically. However, it may require a reboot during installation. After the reboot, the installation process will continue automatically. To avoid this, it may be recommended to install the third-party software before the Service Pack.

The software included in this Service Pack will automatically update or downgrade the corresponding product already installed on the computer.

Updating the firmware of the hardware is highly recommended. Use the Hardware Service Pack (HSP) version provided with this Service Pack.

Also, refer to the Release Notes of the corresponding products shipped with the Service Pack.

2.2.5. Restrictions

Please refer to the Release Notes of the corresponding products shipped with the Service Pack.

2.3. Delivery

The ETAS INCA Service Pack is delivered with an installation routine in a ZIP-file or on a DVD including software, documentation, tools, utilities, and further information. All software documentation is available in the Portable Document Format (PDF), which requires Adobe® Reader®.

The Service Pack contains the following items:

Directory	Meaning / Explanation

Main or Root folder `\INCA_V75SP_z`	Installation and Documentation of INCA V7.5SPz and the associated SW. z is the number of the Service Pack. Important: Do not change the folder structure below. Unzip the entire folder contents and structure.
`|- Setup_ServicePack.exe`	Automatically install, update, or downgrade INCA and the included INCA-related software, such as refresh, hotfixes, add-ons, and related products.
`|- Installation.xml`	Configuration of the Service Pack installation – preselecting of add-ons which shall be installed. Also for silent installation.

`|- INCA_V7.5_ServicePack-`
`   Release_Notes.pdf`
`|- INCA_V7.5_Release_Notes.pdf`
`|- INCA-V7.5-SPz-Whats-`
`   new.pdf`
`|- INCA-V7.5-Whats-`
`   new.pdf`
	This Service Pack Release Notes
	the INCA Release Notes
	and the INCA Whats New of the current SP and for all INCA V7.5 Service Packs in PDF-format.

Sub (sub) – Folders	
`\Documentation`	Release Notes, What's New, Manuals, etc. of the corresponding installations of the SP and related documentation (e.g. open source software documentation). Includes also last minute changes, known issues. The complete folder is copied to the computer and linked into the Start Menu.
`\01_INCA_V7.5.x`	INCA Refresh, Hotfix and INCA add-ons and the corresponding files incl. configuration files and documentation
`|- \00_INCA75x`	The INCA V7.5.z refresh installation; z is the refresh number
`|- \..General AddOns (free)` `|- \..Licensed AddOns`	The installations of the corresponding free and licensed INCA add-on refreshes

`|- \MIP`
`|- \INCA-INS.DK`
`|- \NA`
`|- \Tools|-\Tool_Name`
	Additional installations or tools, like the INCA – AddOn MIP and the INCA-INS.DK (without automatic update/installation via Setup_ServicePack.exe).
	
	The installations must be started manually by double-clicking on the installation executable. Please refer to the release notes for further details.

`\03_MDA_V8.7.z`	MDA installation
`\05_ETK_Tools_V4.4.z`	ETK Tools installation
`\07_MDF_Tool_V2.y.z`	MDF Shell Extension
`\09_HSP_V14.y.z`	Hardware Service Pack (HSP) installation

`\de-DE`
`\en-US`
`\fr-FR`
`\ja-JP`
`\zh-CN`
`\de-CH`
	Additional internal files to support the installation, e.g. national language support of the `Setup_ServicePack.exe`

`01_INCA_V7.5.z\00_Prod_INCA_75z\` `Packages\3rdParty`	Required 3rd Party installations (like .NET, different versions of vcredist) which are all required for operation of the INCA Service Pack.
	Only **for IT/Tool coordinators**:
	The 3rd Party installations might require a reboot. To avoid a reboot during installation of the ETAS INCA Service Pack, **it is recommended to install these 3rd Party installations in advance.** After installation of the 3rd Party a reboot is required before the installation of the INCA Service Pack.

2.3.1. Used 3rd Party Software

Please refer to the document titled `INCA-V7.5-SPz-Whats-new.pdf`.

2.4. Installation

Please refer to the document titled `INCA_V7.5_Install_Guide_Language.pdf` located in the `\Documentation\Manuals\` folder of the installation package (ZIP file or DVD).

2.4.1. Installation Hints

Before updating with the INCA Service Pack, shut down all ETAS software. Failure to do so may result in an incomplete installation or issues with the final installation.

Use the INCA uninstall program to properly uninstall INCA. This ensures that all add-ons and other products installed with INCA are also uninstalled, with the exception of ETASData and ETAS License Manager. Do not attempt to manually delete or remove any files or folders, as this may cause unwanted results.

It is recommended to use the `Setup_ServicePack.exe` to install, update, or downgrade to a previous version of the INCA Service Pack. In this case manual uninstallation is not needed.

It is important to update INCA add-ons, such as INCA engineering add-ons, manually to avoid unexpected behavior. Failure to update add-ons may result in system errors or incorrect results.

Certain installations, such as INCA-MIP, cannot be installed automatically and must be installed manually. This may require user input during the installation process.

After installation, it is recommended to reboot the computer system.

Please check the ETAS download center for the latest updates.

A detailed description of the installation of the INCA Service Pack is available in the `INCA_V7.5_Install_Guide_Language.pdf` located in the `\Documentation\Manuals\` folder of the installation package (ZIP file or DVD)

or after installation of the INCA Service Pack in

Program-Menu -> ETAS -> INCA 7.5 ServicePack in the \Manuals folder.

2.4.1.1. Installation of the same product configuration as the previous minor INCA version.

Automatic installation of the same product- and add-on configuration of a former INCA Service Pack Version 7.**4** with the INCA V7.**5** Service Pack.
Or in general, the Service Pack containing the latest minor Version Vx.**y** will install the same product configuration like the former minor Vx.**y-1** already installed on the computer.
(naming Vx.y.z: x is called major version, y is call minor version, z is called refresh version)

− The former INCA Service Pack installation (V7.4) will be not changed. The new INCA Service Pack (V7.5) will be installation in parallel.

− This feature could be switched on or off in the `Installation.xml` file with options:

  − On: `<VersionCheckFormerY>`**true**`</VersionCheckFormerY>`

  − Off: `<VersionCheckFormerY>`**false**`</VersionCheckFormerY>`

− All products installed of the former minor SP Version will be installed.

− A former minor installation (y-1) will be checked only as long as no current minor version (y) is installed. Example: If once a INCA V7.5 SP Version is installed, another INCA V7.5 SP Version will update or downgrade the INCA V7.5 installtion (but will no longer check INCA V7.4).

− Precondition: Same products with the same name are available in the Service Pack.

2.4.2. Firmware – Hardware Service Pack (HSP)

Important Note:

IT IS NECESSARY TO UPDATE ALL FIRMWARE WITH THE RECOMMENDED HARDWARE SERVICE PACK (HSP) V14.y BEFORE USING INCA V7.5 WITH HARDWARE

With each new ETAS INCA Service Pack, a higher HSP version must be used to update the hardware.

Operation of hardware with a previous firmware version may result in erroneous operation.

Starting with INCA V7.4 SP2, the HSP is included in the INCA Service Pack, and the corresponding version is listed in the release notes below.

The latest recommended HSP version is also available on the ETAS download page.

2.4.2.1. HSP Installation with special handling for up-and downgrade

Default behavior in both cases: The shipped FW Service Pack is added to the HSP installation. Previous FW Service Packs are not changed.

− Default HSP Update

  − The HSP update tool will be updated and the new FW Service Pack that comes with the HSP installation will be **added** to the HSP installation. Previously installed FW Service Packs are still available.

  − After installation, the new HSP version is displayed under "Installed Version" and "Package Version".

– Default HSP Downdate

– The HSP Update Tool is **not** downdated and the FW Service Pack that comes with the HSP installation of the INCA Service Pack is **added** to the HSP installation on the computer. Previously installed FW Service Packs are still available. To indicate, that this is not a real downdate, the normal installation icon is displayed (but not the downdate icon):

ETAS MDF Tool				
MDFShellExtension	V2.2.0 Build 74	V2.2.0 Build 69	☑	🔽
ETAS HSP				
HSP HSP	V13.2.0 Beta 10	V13.2.0 Beta 8	☑	

After the installation, the previously installed higher HSP version is displayed as "Installed Version" and the lower HSP version as "Package Version" to indicate that the previously installed HSP update tool is still installed.

ETAS MDF Tool				
MDFShellExtension	V2.2.0 Build 69	V2.2.0 Build 69	☐	✅
ETAS HSP				
HSP HSP	V13.2.0 Beta 10	V13.2.0 Beta 8	☐	✅

(The higher version of the HSP update tool is required for newer FW already installed on the computer in order to also support newer HW)

– HSP installation with exactly the one FW Service Pack that is delivered with HSP

– The HSP option `RemoveHSP_ServicePacks` set to `true` removes the installed FW Service Packs and only installs the FW Service Pack that comes with the HSP installation of the INCA Service Pack (valid for upgrade and downgrade).

– This option is recommended if only the FW that matches the INCA version is to be used.

– But this option is not recommended if several versions of the INCA Service Pack are installed in parallel (e.g. INCA V7.4 and V7.5) – since the required FW for all other Service Packs will be then no longer available and must be reinstalled manually (using the HSP Service Pack)

– To use this option, change the `RemoveHSP_ServicePacks` option from defaultValue=`false` to `true` in the `InstallationDefaultSettings.xml` supplied with the HSP installation. See corresponding section:

```
<Package
  ID="HSP HSP"
  displayName="HSP">
  <CustomParameters>
    <Variable
     name="RemoveHSP_ServicePacks"
     defaultValue="false"
     validation="none"
     description="When set to 'true' existing ServicePacks from HSP will be removed,
otherwise current HSP Service Pack will be added to the installed ones." />
  </CustomParameters>
</Package>
```

- HSP **Update** with option `"RemoveHSP_ServicePacks" defaultValue="true"`

  - The HSP update tool is updated. Previously installed FW Service Packs will be removed. The FW Service Pack delivered with the HSP installation will be installed into the HSP installation.

  - After the installation, the new HSP version is displayed under "Installed Version" and "Package Version".

- HSP **Downdate** with option `"RemoveHSP_ServicePacks" defaultValue="true"`

  - The HSP update tool is **not** downdated. Previously installed FW Service Packs will be removed. The FW Service Pack delivered with the HSP installation will be installed into the HSP installation.

  - After the installation, the previously installed higher HSP version is displayed as "Installed Version" and the lower HSP version as "Package Version" to indicate that the previously installed HSP update tool is still installed.

ETAS MDF Tool			☐	✅
MDFShellExtension	V2.2.0 Build 69	V2.2.0 Build 69	☐	✅
ETAS HSP			☐	✅
HSP HSP	V13.2.0 Beta 10	V13.2.0 Beta 8	☐	✅

- Note: If the installed HSP version and the version included in the Service Pack are the same, nothing is changed. If multiple FW Service Packs are installed, or a incorrect FW Servcie Pack ist installed, this will not change.
  In this case, the FW Pack has to be checked and reinstalled manually with the HSP installation (especially if the FW Service Pack has been removed/downdated to an earlier version e.g. with the "RemoveHSP_ServicePacks" option).

2.5. Licensing

Please refer to the document titled `INCA_V7.5_Install_Guide_Language.pdf` located in the `\Documentation\Manuals\` folder of the installation package (ZIP file or DVD).

3. Changes

This chapter describes the changes made to the ETAS INCA Service Pack V7.5 compared to previous versions.

3.1. What's New

See the version history below for a rough overview and changes to the ETAS INCA Service Pack itself (including `ServicePack_Installer.exe`), but most importantly, see the **What's New** and **Release Notes** for each product shipped with the Service Sack.

3.1.1. Known Issues Reports

If a technical problem occurs, ETAS creates a Known Issue Report (KIR) and publishes it online. The report contains information about the technical impact and the status of the solution. Therefore, you must check the KIR applicable to this ETAS product version and follow the corresponding instructions before using the product.

3.2. Known Issues

This section describes the general set of known problems of the released version of the ETAS INCA Service Pack V7.5.

Solved known issues are also listed in the corresponding section of the version history below.

For details and known issues of the included ETAS products and add-ons, please refer to the corresponding Release Notes.

The Known Issue Report (KIR) can be found here: http://www.etas.com/kir

3.2.1. Software related Items

Problem Number	Title
EHI #519920	INCA/MDA installation fails due to limited disk space during .NET installation
	Workaround: The installation of .NET requires min. disk space of 5GB before installing INCA or MDA itself. If .NET is not installed, this amount of space is required in addition to the min. required space for the ETAS product installation.
	It is recommended to install .NET before the INCA Service Pack installation. Source: Either from Microsoft or from installation the following share on the INCA DVD/SP:
	01_INCA_V7.5.n\00_Prod_INCA_75n\Packages\3rdParty\DotNetx.y.z
	Note: Use the latest .Net version shipped with the INCA Service Pack.
	Reboot the computer after the .NET-installation and before installation of the INCA Service Pack is required.
EHI #NA	NA

4. Service Pack Information – Version History

This chapter describes changes with respect to the previous version of the INCA Service Pack including version history in reverse order.

4.1. INCA V7.5 SP 3

Details on the Service Pack Installation – see also `INCA_V7.5_Install_Guide_xy.pdf` in the `\Documentation\Manuals` – folder.

4.1.1. Content of Service Pack and recommended installation

− INCA V7.5.3

Free INCA Add-Ons (no license protection):

− INCA AddOn EV-Instruments V7.5.3

− INCA AddOn eCDM V7.5.3

− INCA AddOn DriveRecorder V7.5.3

− INCA AddOn VN-Converter V7.5.3

− INCA AddOn Video Tutorials V7.5.3

Licensed INCA Add-Ons:

− INCA AddOn MCE V7.5.3

− INCA AddOn MCE-RT V7.5.3

− INCA AddOn Vector-Hardware V7.5.3

− INCA AddOn FlexRay V7.5.3

− INCA AddOn LIN V7.5.3

− INCA AddOn QM-Basic V7.5.3

− INCA AddOn EIP V7.5.3

− INCA AddOn SIP V7.5.3

− INCA AddOn ODX V7.5.3

− INCA-SOMEIP-MC V7.5.3

− INCA AddOn CAN-Transmit V7.5.3

− INCA AddOn CAN-Trace V7.5.3

− INCA AddOn INCA-VoiceRecorder V7.5.3

− INCA AddOn INCA-TOUCH V7.5.3

− INCA AddOn RDE V1.13.0

Further ETAS Products:

− MDA V8.7.3

− ETK Tools V4.4.3

− MDF Shell Extension V7.5.3

− HSP V14.3.0

Shipped with the INCA Service Pack, but manual installation required (see important notes above):

− INCA-MIP V7.5.3

− INCA-INS.DK V1.5

Note to additional components:

- ETAS License Manager V1.8.12 and BOA EBI Distribution Package V2.43
  The ETAS License Manager (LiMa) is shipped together with the INCA Service Pack.
  All ETAS software products share a single installation of the ETAS LiMa. For this reason, LiMa will only be installed if an older version or no version is present on the target computer. Another ETAS software product could update LiMa to a newer version. The same applies to the BOA EBI Distribution Package.

- The Setup Service Pack V2.5.3 will be not installed

In addition, the supported hardware must be updated with the appropriate HSP of this Service Pack (the HSP is also available from the ETAS Download Center).

4.1.2. Known issues and important hints

- After the installation of the INCA Service Pack a reboot of the computer system is recommended. This is also true for hotfix installations.

- INCA add-ons (e.g. INCA engineering add-ons) which are not part of the INCA Service Pack has to be updated manually to avoid unexpected behavior. Not installed/updated dd-ons might lead to system errors or wrong results.

4.1.3. Solved known issue and important hints

- Please refer to the INCA Release Notes and Release Notes in `\Documentation`

4.1.4. Changed installations, major bug fixes and improvements

4.1.4.1. Updated products, add-ons, components

- All except INCA-INS.DK V1.5

4.1.4.2. New products, add-ons, components

- INCA AddOn MCE-RT V7.5.3

4.1.4.3. New features and bug fixes

- NA

4.2. INCA V7.5 SP 2

Details on the Service Pack Installation – see also `INCA_V7.5_Install_Guide_xy.pdf` in the `\Documentation\Manuals` – folder.

4.2.1. Content of Service Pack and recommended installation

− INCA V7.5.2

Free INCA Add-Ons (no license protection):

− INCA AddOn EV-Instruments V7.5.2

− INCA AddOn eCDM V7.5.2

− INCA AddOn DriveRecorder V7.5.2

− INCA AddOn VN-Converter V7.5.2

− INCA AddOn Video Tutorials V7.5.2

Licensed INCA Add-Ons:

− INCA AddOn MCE V7.5.2

− INCA AddOn Vector-Hardware V7.5.2

− INCA AddOn FlexRay V7.5.2

− INCA AddOn LIN V7.5.2

− INCA AddOn QM-Basic V7.5.2

− INCA AddOn EIP V7.5.2

− INCA AddOn SIP V7.5.2

− INCA AddOn ODX V7.5.2

− INCA-SOMEIP-MC V7.5.2

− INCA AddOn CAN-Transmit V7.5.2

− INCA AddOn CAN-Trace V7.5.2

− INCA AddOn INCA-VoiceRecorder V7.5.2

− INCA AddOn INCA-TOUCH V7.5.2

− INCA AddOn RDE V1.12.1

Further ETAS Products:

− MDA V8.7.2

− ETK Tools V4.4.2

− MDF Shell Extension V7.5.2

− HSP V14.2.0

Shipped with the INCA Service Pack, but manual installation required (see important notes above):

– INCA-MIP V7.5.2

– INCA-INS.DK V1.5

Note to additional components:

– ETAS License Manager V1.8.11 and BOA EBI Distribution Package V2.42
The ETAS License Manager (LiMa) is shipped together with the INCA Service Pack.
All ETAS software products share a single installation of the ETAS LiMa. For this reason, LiMa will
only be installed if an older version or no version is present on the target computer. Another ETAS
software product could update LiMa to a newer version. The same applies to the BOA EBI
Distribution Package.

– The Setup Service Pack V2.5.2 will be not installed

In addition, the supported hardware must be updated with the appropriate HSP of this Service Pack
(the HSP is also available from the ETAS Download Center).

4.2.2. Known issues and important hints

– After the installation of the INCA Service Pack a reboot of the computer system is recommended.
This is also true for hotfix installations.

– INCA add-ons (e.g. INCA engineering add-ons) which are not part of the INCA Service Pack has to
be updated manually to avoid unexpected behavior. Not installed/updated dd-ons might lead to
system errors or wrong results.

4.2.3. Solved known issue and important hints

– Please refer to the INCA Release Notes and Release Notes in `\Documentation`

4.2.4. Changed installations, major bug fixes and improvements

4.2.4.1. Updated products, add-ons, components

– All except INCA-INS.DK V1.5, INCA AddOn RDE V1.12.1 and LiMa V1.8.11

4.2.4.2. New products, add-ons, components

– Tool INCA_V7.3.7_Uninstall_On_Win11
This tool is required to uninstall INCA V7.3.7 on Windows 11. Typically, this is required after
upgrading the computer from Windows 10 to 11. However, INCA and INCA Uninstall do not support
Windows 11.
See folder \Tools.

4.2.4.3. New features and bug fixes

− Support of MDF Shell Extension V7.5

4.3. INCA V7.5 SP 1.1

Details on the Service Pack Installation – see also `INCA_V7.5_Install_Guide_xy.pdf` in the `\Documentation\Manuals` – folder.

4.3.1. Content of Service Pack and recommended installation

− INCA V7.5.1

− **INCA V7.5.1 HF1**

Free INCA Add-Ons (no license protection):

− INCA AddOn EV-Instruments V7.5.1

− INCA AddOn eCDM V7.5.1

− INCA AddOn DriveRecorder V7.5.1

− INCA AddOn VN-Converter V7.5.1

− INCA AddOn Video Tutorials V7.5.1

Licensed INCA Add-Ons:

− INCA AddOn MCE V7.5.1

− INCA AddOn Vector-Hardware V7.5.1

− INCA AddOn FlexRay V7.5.1

− INCA AddOn LIN V7.5.1

− INCA AddOn QM-Basic V7.5.1

− INCA AddOn EIP V7.5.1

− INCA AddOn SIP V7.5.1

− INCA AddOn ODX V7.5.1

− INCA-SOMEIP-MC V7.5.1

− INCA AddOn CAN-Transmit V7.5.1

− INCA AddOn CAN-Trace V7.5.1

− INCA AddOn INCA-VoiceRecorder V7.5.1

− **INCA AddOn INCA-TOUCH V7.5.1 Build 110**

− INCA AddOn RDE V1.12.1

Further ETAS Products:

- MDA V8.7.1

- **ETK Tools V4.4.1 Build 101**

- MDF Shell Extension V2.2.0

- **HSP V14.1.1**

Shipped with the INCA Service Pack, but manual installation required (see important notes above):

- INCA-MIP V7.5.1

- INCA-INS.DK V1.5

Note to additional components:

- ETAS License Manager V1.8.11 and BOA EBI Distribution Package V2.41
  The ETAS License Manager (LiMa) is shipped together with the INCA Service Pack.
  All ETAS software products share a single installation of the ETAS LiMa. For this reason, LiMa will only be installed if an older version or no version is present on the target computer. Another ETAS software product could update LiMa to a newer version. The same applies to the BOA EBI Distribution Package.

- The Setup Service Pack V2.5.1 will be not installed

In addition, the supported hardware must be updated with the appropriate HSP of this Service Pack (the HSP is also available from the ETAS Download Center).

4.3.2. Known issues and important hints

- After the installation of the INCA Service Pack a reboot of the computer system is recommended. This is also true for hotfix installations.

- INCA add-ons (e.g. INCA engineering add-ons) which are not part of the INCA Service Pack has to be updated manually to avoid unexpected behavior. Not installed/updated dd-ons might lead to system errors or wrong results.

4.3.3. Solved known issue and important hints

- Please refer to the INCA Release Notes and Release Notes in `\Documentation`

4.3.4. Changed installations, major bug fixes and improvements

4.3.4.1. Updated products, add-ons, components

- INCA V7.5.1 with INCA V7.5.1 HF1, INCA AddOn INCA-TOUCH V7.5.1 Build 110, ETK Tools V4.4.1 Build 101 and HSP V14.1.1

4.3.4.2. New products, add-ons, components

– See INCA V7.5 SP1

– Tool INCA_V7.3.7_Uninstall_On_Win11
This tool is required to uninstall INCA V7.3.7 on Windows 11. Typically, this is required after upgrading the computer from Windows 10 to 11. However, INCA and INCA Uninstall do not support Windows 11.
See folder \Tools.

4.3.4.3. New features and bug fixes

– NA

4.4. INCA V7.5 SP 1

Details on the Service Pack Installation – see also `INCA_V7.5_Install_Guide_xy.pdf` in the `\Documentation\Manuals` – folder.

4.4.1. Content of Service Pack and recommended installation

– INCA V7.5.1

Free INCA Add-Ons (no license protection):

– INCA AddOn EV-Instruments V7.5.1

– INCA AddOn eCDM V7.5.1

– INCA AddOn DriveRecorder V7.5.1

– INCA AddOn VN-Converter V7.5.1

– INCA AddOn Video Tutorials V7.5.1

Licensed INCA Add-Ons:

– INCA AddOn MCE V7.5.1

– INCA AddOn Vector-Hardware V7.5.1

– INCA AddOn FlexRay V7.5.1

– INCA AddOn LIN V7.5.1

– INCA AddOn QM-Basic V7.5.1

– INCA AddOn EIP V7.5.1

– INCA AddOn SIP V7.5.1

– INCA AddOn ODX V7.5.1

– INCA-SOMEIP-MC V7.5.1

- INCA AddOn CAN-Transmit V7.5.1

- INCA AddOn CAN-Trace V7.5.1

- INCA AddOn INCA-VoiceRecorder V7.5.1

- INCA AddOn INCA-TOUCH V7.5.1 Build 108

- INCA AddOn RDE V1.12.1

Further ETAS Products:

- MDA V8.7.1

- ETK Tools V4.4.1 Build 99

- MDF Shell Extension V2.2.0

- HSP V14.1.0

Shipped with the INCA Service Pack, but manual installation required (see important notes above):

- INCA-MIP V7.5.1

- INCA-INS.DK V1.5

Note to additional components:

- ETAS License Manager V1.8.11 and BOA EBI Distribution Package V2.41
  The ETAS License Manager (LiMa) is shipped together with the INCA Service Pack.
  All ETAS software products share a single installation of the ETAS LiMa. For this reason, LiMa will
  only be installed if an older version or no version is present on the target computer. Another ETAS
  software product could update LiMa to a newer version. The same applies to the BOA EBI
  Distribution Package.

- The Setup Service Pack V2.5.1 will be not installed

In addition, the supported hardware must be updated with the appropriate HSP of this Service Pack
(the HSP is also available from the ETAS Download Center).

4.4.2. Known issues and important hints

- After the installation of the INCA Service Pack a reboot of the computer system is recommended.
  This is also true for hotfix installations.

- INCA add-ons (e.g. INCA engineering add-ons) which are not part of the INCA Service Pack has to
  be updated manually to avoid unexpected behavior. Not installed/updated dd-ons might lead to
  system errors or wrong results.

4.4.3. Solved known issue and important hints

- Please refer to the INCA Release Notes and Release Notes in `\Documentation`

4.4.4. Changed installations, major bug fixes and improvements

4.4.4.1. Updated products, add-ons, components

− All except INCA-INS.DK V1.5 and MDF Shell Extension V2.2.0

4.4.4.2. New products, add-ons, components

− INCA AddOn VN-Converter V7.5.1
The INCA Variable Name Converter offers:

  − Conversion of variable names in experiments by generic rules

  − Rules are defined as regular expressions

  − Supported are monitoring devices as well as ECU devices

  − Documentation included in INCA help

4.4.4.3. New features and bug fixes

− NA

4.5. INCA V7.5 SP 0

Details on the Service Pack Installation – see also `INCA_V7.5_Install_Guide_xy.pdf` in the `\Documentation\Manuals` – folder.

4.5.1. Content of Service Pack and recommended installation

− INCA V7.5.0

Free INCA Add-Ons (no license protection):

− INCA AddOn EV-Instruments V7.5.0

− INCA AddOn eCDM V7.5.0

− INCA AddOn DriveRecorder V7.5.0

− INCA AddOn Video Tutorials V7.5.0

Licensed INCA Add-Ons:

− INCA AddOn MCE V7.5.0

− INCA AddOn Vector-Hardware V7.5.0

− INCA AddOn FlexRay V7.5.0

− INCA AddOn LIN V7.5.0

- INCA AddOn QM-Basic V7.5.0

- INCA AddOn EIP V7.5.0

- INCA AddOn SIP V7.5.0

- INCA AddOn ODX V7.5.0

- INCA-SOMEIP-MC V7.5.0

- INCA AddOn CAN-Transmit V7.5.0

- INCA AddOn CAN-Trace V7.5.0

- INCA AddOn INCA-VoiceRecorder V7.5.0

- INCA AddOn INCA-TOUCH V7.5.0

- INCA AddOn RDE V1.12.0

Further ETAS Products:

- MDA V8.7.0

- ETK Tools V4.4.0

- MDF Shell Extension V2.2.0

- HSP V14.0.0

Shipped with the INCA Service Pack, but manual installation required (see important notes above):

- INCA-MIP V7.5.0

- INCA-INS.DK V1.5

Note to additional components:

- ETAS License Manager V1.8.11 and BOA EBI Distribution Package V2.40
  The ETAS License Manager (LiMa) is shipped together with the INCA Service Pack.
  All ETAS software products share a single installation of the ETAS LiMa. For this reason, LiMa will only be installed if an older version or no version is present on the target computer. Another ETAS software product could update LiMa to a newer version. The same applies to the BOA EBI Distribution Package.

- The Setup Service Pack V2.5.0 will be not installed

In addition, the supported hardware must be updated with the appropriate HSP of this Service Pack (the HSP is also available from the ETAS Download Center).

4.5.2. Known issues and important hints

- After the installation of the INCA Service Pack a reboot of the computer system is recommended. This is also true for hotfix installations.

- INCA add-ons (e.g. INCA engineering add-ons) which are not part of the INCA Service Pack has to be updated manually to avoid unexpected behavior. Not installed/updated dd-ons might lead to system errors or wrong results.

4.5.3. Solved known issue and important hints

- Please refer to the INCA Release Notes and Release Notes in `\Documentation`

4.5.4. Changed installations, major bug fixes and improvements

4.5.4.1. Updated products, add-ons, components

All except MDF Shell Extension V2.2.0

4.5.4.2. New products, add-ons, components

- INCA-INS.DK V1.5
  The INS.DK (development kit) allows to develop own instruments for the INCA EE. All measurement and calibration variables of the used devices are available for these instruments. The INS.DK offers:

  - the Tutorial that guides you for programming an instrument

  - the Quick Start Guide that shows the necessary steps to setup the development environment

  - the instrument wizard and project template for Visual Studio

  - the usable examples of instruments

  - the Test Environment for instruments

  - the documentation of the INCA Instrument Interface API

4.5.4.3. New features and bug fixes

- Automatic installation of the same product- and add-on configuration of a former INCA Service Pack Version 7.**4** with the INCA V7.**5** Service Pack.
  Or in general, the Service Pack containing the latest minor Version Vx.y will install the same product configuration like the former minor Vx.y-1 already installed on the computer.
  (naming Vx.y.z: x is called major version, y is call minor version, z is called refresh version)

  - The former INCA Service Pack installation (V7.4) will be not changed. The new INCA Service Pack (V7.5) will be installation in parallel.

  - This feature could be switched on or off in the `Installation.xml` file with options:

    - On: `<VersionCheckFormerY>`**true**`</VersionCheckFormerY>`

    - Off: `<VersionCheckFormerY>`**false**`</VersionCheckFormerY>`

  - All products installed of the former minor SP Version will be installed.

  - A former minor installation (y) will be checked only as long as no current minor version is installed. Example: If once a INCA V7.5 SP Version is installed, another INCA V7.5 SP Version
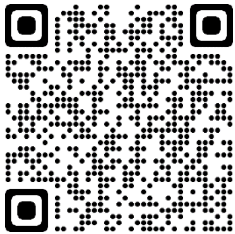
will update or downgrade the INCA V7.5 installtion (but will no longer check INCA V7.4).

– Precondition: Same products with the same name are available in the Service Pack.

5. Contact Information

5.1. Technical Support

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: www.etas.com/hotlines

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

5.2. ETAS Headquarters

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