
INCA V7.1.6

Release Notes

Release: September 30, 2014

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1 Introduction

Dear customer, in this file you will find the latest information about our product INCA V7.1.

IT IS NECESSARY TO UPDATE ALL FIRMWARE USING HSP V10.0 PRIOR TO USING INCA V7.1 WITH HARDWARE

(Note: With the latest INCA refresh, service pack or hotfix a higher HSP version must be used)

1.1 Definitions and Abbreviations

Term/Abbreviation	Definition
CDM	Calibration Data Manager
EE	INCA Experimental Environment
EHI	ETAS Help Desk International
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	Known Issue Report – 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
SP	Service Pack
SW	Software
VSD	Variable Selection Dialog
WB	Walkback, Inca system error

1.2 References

none

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 <i>distribution</i> 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's documentation in PDF format can be found on the DVD 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 7.1** → **Manuals and Tutorial**.

2 Product Definition

2.1 Functions at a glance

New functionality of INCA V7.1 is listed in the overview "INCA-V7.0-Whats-new.PDF". You find the overview "INCA-V7.0-Whats-new.PDF" on the installation DVD in the folder "Documentation" or in the installation folder on the PC.

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.

2.2.2 System Prerequisites

The following minimum system prerequisites have to be met:

Required Hardware	2 GHz Processor 2 GB RAM DVD-ROM drive (for installation) Network adapter Graphics with a resolution of at least 1024 x 768, 256 MB RAM, 16bit color and DirectX 9
Required Operating System	Windows® XP SP3 (32bit) or higher (see Note below), Windows® Vista SP1 (32bit) or higher, Windows® 7 SP1 (32 or 64bit*) or higher. Windows 8 (32 / 64 bit*) *) INCA uses the 32bit compatibility mode on a 64-bit operating system. (English, French, Japanese, Chinese and German OS version supported) Note: Windows® XP is no longer recommended and INCA will discontinue the support of Windows® XP (Details: see INCA-V7.1-Whats-new.pdf updated with each INCA 7.1 Service Pack)
Required Free Disk Space	1 GB (not including the size for user data; absolute min. required, but not recommended)

The following system prerequisites are recommended:

Recommended Hardware	3 GHz Quad-Core Processor or equivalent 4 GB RAM DVD-ROM drive (for installation) Network adapter Graphics with a resolution of at least 1280 x 1024, 1GB RAM, 32bit color and DirectX 9
Recommended Operating System	Windows® 7 SP1 64bit (INCA uses the 32bit compatibility mode on a 64-bit operating system) (English, French, Japanese, Chinese and German OS version supported)
Recommended Free Disk Space	>10 GB
Recommendation on Performance	Investigation on performance showed: <ul style="list-style-type: none">- More Memory improves execution time of repetitive operations- SSD hard disks improve the file access times

2.2.3 Software Prerequisites

Important notes:

- In order to use INCA the user needs read and write access to the registry path HKEY_LOCAL_MACHINE\Software\ETAS (for more details about user privileges, please refer to the user manual chapter "User Privileges Required for Installation and Operation").

- If the user wants to switch between INCA 7.1 and former INCA versions on the same PC INCA, the COM server settings in the Windows registry are re-registered with each switch. Therefore to switch version the user needs Admin rights to the PC. If only one INCA version is used this is not necessary. This is also no longer necessary with INCA 7.1 and later versions.
- Windows 7 Ultimate N
EHI #97742 Minimum requirement to install INCA is an installation of Microsoft hotfix "Windows6.1-KB968211-x86".
- Hyperthreading is supported
- Multiple monitors may be used, but there is no special functionality in INCA for them.

2.2.4 Restrictions

WINDOWS® 95, WINDOWS® NT, WINDOWS® 98SE and Windows® 2000 are not supported.

The following hardware is no longer supported with Windows7:

- ES300
- KIC2 / ES585
- MAC2
- ES1000.1

INCA does not officially support PCMCIA adapters used in a Desktop PC for connecting the ES580. If communication problems occur with such an installation, ETAS cannot offer a solution. Please check at first whether the installation of the PC adapter and its driver software has been performed successfully.

INCA offers a md3 - 4Byte converter that is called MDF4 converter.

This converter converts MDF3 files to a special MDF format using 4 byte variables. This will not convert files to the new ASAM MDFV4.0 format. We have deliberately kept the old MDF4 name in INCA to ensure the COM-API is still compatible with earlier INCA versions.

When using triggers to start or stop a recording, the recording duration has to be at least 3 seconds. In case of a shorter recording duration INCA might not be able to record all events. A period of at least one second is required after a pause event, before the start trigger condition may trigger again. Otherwise INCA does not recognize the pause and does not include an appropriate pause comment into the recorded data file. This may lead to unexpected display results in the MDA.

Since V6.2.0 INCA allows parsing A2L files containing 2-byte characters.

However the following restrictions apply:

- 2-byte strings are not always displayed correctly
- copy and compare of 2-byte strings is only possible if source and destination have the same encoding

MDA/INCA - Calculated Signals:

- It is recommended to use '.' as decimal symbol for defining calculated signals
- Using library functions in formulas might causes some differences in the number of samples
- Measure time as input signal does not work correctly (INCA issue only)
- Dependency view is not able to show more the 5 levels of a cascade
- Using different rasters as bases for calculated signals might cause wrong results

CDF V2.0

- Rescale axis of Vector CDF files are rejected by INCA 6.2 (and subsequent)
The reason is that Vector writes rescale axis in CDF V2.0 in a different way than INCA.

Write to RAM

- When using CSE for Write to RAM, values in scenarios can be edited only in PHYS representation.

ETAS INCA V7.1.0 introduces a new version of the target server component.

For this reason, with INCA V7.1.0 and ETAS Experiment Environment V3.3 (as well as with earlier versions of the experiment environment) simultaneous online operation will not be possible. E.g., if during bypass operation INCA V7.1.0 is used to measure and to calibrate on an ECU, Experiment Environment V3.3 cannot access the corresponding prototyping hardware (e.g. ES910) at the same time.

Recommendations:

- Use INCA V7.1 in combination with INCA-EIP V7.1 to access both the ECU and the prototyping hardware simultaneously. No compatibility restrictions apply in this case.
- Use INCA V7.0 for parallel operation with Experiment Environment V3.3.
- Use the succeeding version of the Experiment Environment (V3.4, which will be available with LABCAR-OPERATOR V5.2 and INTECRIO V4.4 later in 2013) for parallel operation with INCA V7.1.0.

2.2.5 Miscellaneous

Problems may arise with new scan engines of virus scan tools. To ensure the highest data security for data in the INCA database, the database is directly saved after every data change or access. This leads to a high amount of read/write cycles and this might initiate the scan engine of the virus scan tools to check the differences if the option 'scan all files' is set. This leads to a delay working with INCA. We recommend excluding all files of the INCA database from scanning.

Whenever uninstalling INCA, the included INCA uninstall program should be used. This ensures that all add-ons and other products installed with INCA are also uninstalled (except ETASData and ETAS License Manager). Never delete files or folders manually.

INCA differentiates between online (=visualization) and offline (=recording) data. However, online data may not be complete in high "system load situations". Offline data is being buffered internally and ensured to have no gaps in the recorded data file.

The INCA-MIP add-on (MATLAB Integration Package) uses by default the online data because data is always available for all devices at all times. For switching to offline data, an API command is available.

For Rapid prototyping purposes, the ES4xx module chain can be connected directly to the ES910. For measurement with INCA the ES4xx module chain shall be connected directly to the measurement setup (i.e. ES600)

The documentation provided in the PDF format can be viewed and printed using the Adobe Acrobat Reader, which is available free of charge at <http://www.adobe.com>

Updates for manuals in the PDF format won't be delivered with INCA refreshes to reduce the size of the file for download.

2.3 Delivery

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

If the installation routine does not start automatically execute the `autostart.exe` program on the DVD manually. Select your preferred language, then **Installation** and finally select **INCA V7.1 installation** first. The Hardware Service Pack (**HSP V10.0.0 Installation**) has also to be installed for proper operation.

2.3.1 Used 3rd Party Software

The 3rd Party Software used by INCA and its add-ons is listed in the document: `Open_Source_Software_in_INCA_7.1.x.pdf` (in folder `\Release_Notes\OpenSourceSoftware`).

2.4 Installation

For details on installation select (after the automatic installation started from DVD) **Documentation → Getting Started INCA V7.1**, Chapter "Installing the Program" (or in `INCA_Manual_R7.1_xx.pdf`, Chapter "Installing the Programm")

Please check also Chapter 10 (Troubleshooting) with information about setting of network adapter and personal firewall or what you can do if firewall block ETAS hardware and search for Ethernet hardware fails.

2.4.1 Important Installation Hints

- **Very important:** After the installation a reboot of the computer system is required. This is also true for hotfix installations.
There is a huge number of WBs reported due to missing reboot after installation:
[WBID2685304256] IDispatch call returned an exception....
[WBID1201862911] IDispatch call returned an exception....
- MDA is no longer installed automatically with INCA.
MDA is delivered on a separate CD, and must be installed independently.

- User shall not install/uninstall licenses while licensed software is online.
Recommendation: Shut down product and manage licenses then.

2.4.2 Related Components

Firmware

IT IS NECESSARY TO UPDATE ALL FIRMWARE USING HSP V10.0 PRIOR TO USING INCA V7.1 WITH HARDWARE.

The Hardware Service Pack (HSP) V10.0 is also included on the installation DVD.

ES4xx and ES6xx (Daisy-Chain) Support

Support of these modules is provided by a separate Daisy-Chain add-on.

The INCA installation medium contains the latest version of the add-on available on the release date of INCA. It is installed automatically during the INCA installation. For new versions of the Daisy-Chain add-on please check our website. It is part of the INCA Service Pack.

ETK Tools

Configuration support of ETK/XETK modules is provided by a separate add-on 'ETK Tools' (important hint: the ETK configuration tool and XCT are only available, when the add-on is installed).

This installation medium contains the latest version of the 'ETK Tools' add-on available on the date this INCA version is released. The add-on is installed automatically during the installation of INCA. For new versions of the 'ETK Tools' add-on please check our website. It is part of the INCA Service Pack.

2.5 Licensing

INCA, MDA and some INCA add-ons are protected via electronic licensing.

In order to run and use the products, a license file is required that needs to be installed via the ETAS License Manager. The license manager is opened during the installation and can also be started at a later point as an external program located in the ETAS program folder in the Start menu.

The license file can be obtained through a self service portal on the ETAS website by using the software entitlement you received during the order process or it is provided by your tool coordinator.

3 Changes

This chapter describes changes with respect to the previous version of INCA V7.1.0.

3.1 What's New

See What's New slides of INCA: Select **Version Info → What's new presentation** on the automatic installation from DVD or INCA-V7.1-Whats-new.pdf.

3.2 Compatibility to Earlier Releases

In general compatibility to other INCA versions has been taken into account. Known exceptions are: Experiments updated to INCA V7.1 cannot be used with former INCA versions. A back-porting mechanism is available: oscilloscopes are replaced by measurement tables.

For more details see Getting Started INCA Chapter *"New YT and XY Oscilloscope"*. especially section *"Compatibility and conversion"*

3.3 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>

3.4 Known Issues

This section describes the set of known problems of the released version of INCA V7.1.0

3.4.1 Software related Items

Problem Number	Title
EH1 #330173	INCA 7.1 Crashes when importing Workspace In seldom case it might happen, that an import of a workspace will crash INCA sporadically (depends on project, installation, system)
EH1 #326775	INCA Crash During Morphee "Full Scan" INCA Crash During Morphee "Full Scan" if MCD3 Server Options are set to "INCA Workspace Search" = "All Folders" and "INCA Project Search" = "All Folders".
EH1 #74310	Electronic Licensing - Valid local license not found when LAN connection deactivated If the LAN connection may be automatically deactivated when the ethernet cable is not plugged anymore. When using electronically licensed software products depending on the MAC-address, the application does not find a valid license and cannot be started because the MAC address cannot be identified. Ethernet adapter has to be active.

EHF #2008404287

Excessive RAM usage with combined editor - accumulaton over long period of time (with many cycles)

With INCA 7.0 the memory leak is fixed for the table part. For the graphical part the memory leak is not solvable. For test bench applications the combined editor must be used in the "table only" mode.

3.4.2 Hardware related Items

Problem Number	Title
NA	NA

4 Hints

4.1 Compatibility with other INCA versions

- INCA V7.1 introduces new functionality
- When designing and implementing this functionality, compatibility to other INCA versions has been taken into account
- Exchange of export files or databases with other INCA versions is possible
 - Easy, safe, and fast migration to INCA V7.1
 - Projects created in former INCA V6.x / V7.0 versions can be reused
 - Up and downward* compatibility allows using INCA in distributed development projects

* Known exceptions are:
Experiments updated to INCA V7.1 cannot be used with former INCA versions. A back-porting mechanism is available, which replaces oscilloscopes by measurement tables.

5 Refresh and Hotfix Information

A refresh installation updates an INCA 7.1 installation.

Important: It requires a full INCA V7.1 installation.

All refresh software updates are cumulative. The most recent refresh incorporates any changes introduced by previous refreshes.

At the same time other INCA Add-Ons will also be updated. The INCA V7.1 base installation and Add-On installation will be updated with help of the INCA Service Pack.

The following issues have been fixed in INCA V7.1.x refreshes as listed below.

History listed in reverse order.

5.1 INCA V7.1.6

5.1.1 Recommended Installation

It is recommended to install the update the complete INCA V7.1 only with help of the Service Pack (installer) of the INCA V7.1 SP.

Very important: After the installation a reboot of the computer system is required.

5.1.2 New Features

See What's News slides INCA V7.1 SP06 (INCA-V7.1-SP06-Whats-new.pdf)

New Features

- INCA Editors: Improved representation in Binary Format
 1. The binary representation shows blanks between each nibble
 2. If the number should be interpreted as a row of flags this allows easy detection of the single flags
 3. Available for Measure Window, Measure Table, Scalar Table Editor, Combined Editor, Calibration Window
- INCA-MCE V2.0.5
 1. Easy One-Step Procedure for Adding Variables to MCE
 2. Enhanced Experiment View: Database Manager Experiment View includes INCA-MCE configuration
- Autosar: CAN description with Autosar Description File V4.1
- Osci – Configurable Font Size: Change the font size in the new oscilloscope
- IP Manager – IP Address out of Range
 1. The IP Manager checks the Ethernet connected hardware and pops up when it detects a connection problem
 2. Bubble Help gives more details why a connection is not possible
- Search for Hardware – Active Tool Support

- 1. The result dialogs of "Open Experiment" and "Search for Hardware" are now improved to get more detailed information
 - 2. New Help-button opens a guide to find the connected hardware
- ETK / XETK
 - 1. Implemented solution for "Ram corruption after accessing ECU during Reset" problem for ETK-S21
 - 2. New ETK-S22.0A features added:
 - dynamic emulation improvement to support different sized calibration handles for ETK-S22.0A
 - Support of RH_C1H_SPC and AUDR interface
- Check and update the .NET installation to V4.5.2 if required (see also call #413499)
 - 1. This is done automatically during installation of INCA V7.1.x with the INCA V7.1 Service Pack installer.
 - 2. The .NET installation is checked during installation/update of INCA V7.1.x. If no update of INCA V7.1.x is required/requested, the .NET installation will be not checked/updated.
 - 3. Win XP is not supported (no updated .NET installation available).
 - 4. Automatic update might be switched off with "InstallDotNet=False" in install.ini; see new entry in install.ini of INCA V7.1.6:

```
[Preferences]
;Do not install the .NET framework if set to False
;InstallDotNet=False
```
 - 5. The .NET installation has to be located relative to the INCA V7.1.x installation: ..\3rdParty-Software\Microsoft\
This is automatically ensured if INCA is updated via INCA Service Pack Installer.
- Support of Flexera Server V11.11.1.3
Solution for call #400538 ETAS License Manager: Borrowed INCA license cannot be returned to the server because of Flexera API version conflict (support of Flexera Server V11.11.1.3)
Note: Setting of registry key before the INCA installation is required. If not set, the former Flexera Server Version V10.8.5 is supported.

To activate the required Flexera Server API of the ETAS License Manager, please set the following registry key before installation:

"UseFlexeraApi_11_11_1" as DWORD with value 1

in

HKEY_LOCAL_MACHINE\SOFTWARE\ETAS\LiMa for Win 32bit OS

or in

HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\ETAS\LiMa for Win 64bit OS

- Maintenance stop for INCA under Windows XP - ETAS will discontinue the development and the maintenance of INCA under Windows XP as following:
 - 1. After Q2/2014 new INCA versions and Service Packs will not be tested under Windows XP any longer. The installation under Windows XP will still be possible, but is not recommended.
 - 2. After Q2/2015 the installation of new INCA versions and Service Packs will no longer be supported.

3. We recommend Windows XP users to migrate to a newer Windows version

5.1.3 Known Issues **solved** with INCA V7.1.6 – Important Hints

- KIR-issue (KIR published September 2014):
#425067 XCP calibration after reconnect might have no effect on ECU functions
Affected INCA Versions: INCA V7.1.5 and INCA V7.1.6 beta versions.
Description:
If
ECU is calibrated via XCP
AND
within the A2L the IF_DATA section for XCP page properties contain
XCP_READ_ACCESS_DONT_CARE,
XCP_WRITE_ACCESS_DONT_CARE and
ECU_ACCESS_DONT_CARE
AND
INCA and ECU was on working page
AND
then connection was lost and XCP performs a reconnect
THEN
INCA re-performs the checksum verification, but doesn't switch the ECU to the
working page.
In this state, the INCA Experiment shows that the working page is the active page
(thus allowing calibration), while the ECU is on reference page.

Calibration can be done in INCA, the values are written to the working page on the
ECU, but the calibration has no effect on ECU, because ECU is on reference page!

Note: It is no issue with ECUs/A2Ls with XCP page properties:
XCP_READ_ACCESS_WITH_ECU_ONLY,
XCP_WRITE_ACCESS_WITH_ECU_ONLY and
ECU_ACCESS_WITH_XCP_ONLY
(this is also a workaround to avoid the issue)
- #380715 INCA shows wrong values for "FlexRay-Monitoring" in the new YT-scope
IF a Fibex-file with LINEAR type formulas is read into INCA DB,
AND the corresponding signal is displayed in the new Oscilloscope
THEN the calculation of PHYS values might be wrong and the signal will be wrongly
displayed.
This is issue solved with INCA 7.1.6.
Note: For correct display it is required to read in the Fibex file (for correct parsing)
again into the INCA DB.
But INCA V7.1.6 will not correct already parsed internal files (means will not correct
the issue if already present).
- #418590 Signal list not displayed in the VSD after import of CAN DB file
Issue might happen after reading a CAN DB file with a number of long comments.
This is solved with INCA 7.1.6.
Important: To solve the issue it is required to read the CAN DB once again to ensure
that the parser is started once again!
If the DBC is not parsed once again the old, faulty A2L (in the INCA data base) is
used and the error does not disappear.

- Several of the reported issues with the new INCA V7.1 Oscilloscope are solved with **Microsoft .NET Framework 4.5.2** (additional download on Microsoft download page) – please check your installation.
Solved with #413499 Check and update the .NET installation to V4.5.2 if required (Notes: 1. Not supported: Win XP; 2. Automatic update might be switched off with "InstallDotNet=False" in install.ini; 3. Check only during installation/update of INCA V7.1.x). Details see section new features.
- #408917 EE: Possible that after using from "Fill With Value" the wrong Values are used - in the prompter is the old value shown.
- #373433 HIL Test Bench: LABCAR CCI data logger: It might happen that data logger cannot be activated anymore and therefore new data logging is not possible
Note: Solution planned with updated LABCAR or INCA version (depending on issue)
Addendum: Part of solution in Test with INCA 7.1.5.
Finally solved together with #414103 Data logger cannot be started in INCA.
Note: Verified with INCA V71SP06 & LABCAR-OPERATOR V5.3.0.194.
- #408857 CDM: [WBID3689701642] MCSDSMainView does not understand widget) when use Axis -> Supporting Points Setup in CDM Inline Editor and ASAP2 Editor.
Solution planned for V7.1.6.
- #382255 Performance improvements for serial ETKs
- #384140 ETK-S22 allows access to self-address range of RH850FCC1, but this memory cannot be accessed by ETK for µC reasons
- #405190 VSD displays Default raster inconsistently for XAML projects
- #409764 iLinkRT couldn't measure more than 255 labels via ES910 MCE and XETK
- #409805 iLinkRT potentially couldn't measure more than 255 labels with ES910 MCE and 2 MDG1 raster are used
- #410220 XETK-S: Wrong execution order of Advanced Code Check and Calibration Wakeup leads to ACC error during ECU startup
- #412191 XETK-S20/XETK-S21: Using mixed DISTAB17/Timer ECU project no variables can be selected in VSD and also no DISTAB17 rasters are offered
- #413716 ETK-S4.2: After Prof Flashing (which is successful) an error occurs 'StorePermanentlyToTarget failed'
- #414205 all ETK: Autostart page was not set correctly, when "Last Active Page" was selected
- #414975 A1B XETK Configuration failure. Wrong ODT-Entry sizes
- #415673 ETK is not reinitialized after power fail of T30
- #416191 all serial ETK in combination with ES592/593/595 or ES910: Measurement is not restarted
- #418049 all ETK: Raster fill was erroneous when 255 one-byte signals were already selected in Distab 13
- #419275 XETK connection in INCA/XCT fails, as the XetkProtocol component cannot be initialized properly
- #419734 Performance optimization of selecting signals in experiment environmental
- #413716 ETK-S4.x: ETK-S4.2: After Prof Flashing (which is successful) an error occurs 'StorePermanentlyToTarget failed'
If using ETK reconfiguration feature in PROF flow, an error message occurs during automatic HW re-init after successful flash programming. Please accept the error

message and confirm subsequent HW re-configuration and ECU reset confirmation dialog! Inca will now successfully repeat the HW init process and be ready for M/C operation again.

- #418805 ES720 TgtSvr Crash starting device from Fast Boot mode
- #395680 IPMServer and TargetServer errors when disconnecting from XETK and connecting to company network
- #414956 ETK-S6.0B sets incorrect value to ERAMAR
- #421412 ETK: MPM shows different checksums after Upload Data from ECU for projects with no Code Segment defined.

5.1.4 Open Known issues of INCA V7.1.6 and former versions

- **Very important:** After the installation a reboot of the computer system is required. This is also true for hotfix installations.
There is a huge number of WBs reported due to missing reboot after installation:
[WBID2685304256] IDispatch call returned an exception....
[WBID1201862911] IDispatch call returned an exception....
- #373446 Labels in the CDM might be not updated when address are used more than one time

5.1.5 Bug Fixes and Improvements

- Note:
 - Some fixes are solved with the corresponding INCA – Add-Ons (also part of the INCA Service Pack (SP))
 - EHI calls are listed in increasing order

EHI #	Title
308419	Cannot create multiple instance of a VN7600 CAN controller
323852	XETK-S10.0_XCT: error durring connection to XETK
339515	EE: Shortcut F8 (WP <-> RP) does not work when open EE with VUI and also problem after recording
362600	New INCA-PROF interface to pass parameters to external DLLs containing special characters.
362608	New INCA-PROF interfaces to write text into the PROF dialog from external DLLs that are called during flashing. See also #362600: New INCA-PROF interface to pass parameters to external DLLs containing special characters.
365366	[WBID609370040] UndefinedObject does not understand isEmpty" when open special workspace
371003	The CDM/EE window disappears after minimizing the INCA main window and gets the focus after reactivating the INCA main window in Windows taskbar
371041	[NetWBID1214378646] [NetWBID661681790] occurs when opening EE of a specific workspace
371108	ntdll.dll error when launch experiment with wiTECH installed
373433	Known issue solved: HIL Test Bench: LABCAR CCI data logger: It might happen that data logger cannot be activated anymore and therefore new data logging is not possible
378436	Delete and Assign channels in the output device configuration window

	doesn't work correct
378872	[WBID2402171032] MCSEExperiment does not understand isDefault - occurs when open EE out of CDM when EE is closed and reopened
380715	INCA shows wrong values for "FlexRay-Monitoring" in the new YT-scope
382255	ETK-INIT initialization time improved for Dynamic Emulation RAM. No improvement with Reconfig. Dynamic EmuRAM.
383221	GPS Receiver: Support of vendor specific GPS devices - support of all virtual COM port types of GPS devices
384140	ETK-S22.0 allows access to self address range of RH850FCC1, but this memory can not be accessed by ETK for µC reasons
384920	Differences counter gets not refreshed in the EE
385329	ASAM-3MC Interface does not open after Flash Programming with ProF - Recommendation: Do not change any environment variable in the HexPostTreatment function call
385646	Checksum and EPROM ID does not work with specific A2L
385961	INCA creates an c:\ETAS-folder even though the installation path is complete on d:\USER-PATH
387078	Recording comment window disappears --> INCA should be closed via Task-Manager
387897	DBB: "[WBID3826111020] UndefinedObject does not understand first" can occur when creating a new empty dataset
388231	[NetWBID4080051704] SlimDX.Direct3D9.Direct3D9Exception: E_OUTOFMEMORY: Ran out of memory (-2147024882) - Note: Already solved with INCA V7.1.5
388294	MCE:XETKV2.0 Reconfiguration Measurementlabels via MCD3V2.2 -> Error on ES910.3 or Measurement didn't start via ILinkRT
388440	XCP communication not working with customer specific ECU test tool
389910	Optimize Column Size does not work correct when Adjust font in the variable views if the view size is changed = Yes
391631	MPM no longer able to Verify Checksum with Code & Data
393937	EE: Possible that CSE opens empty
394037	[WBID3475996873] UndefinedObject does not understand allCalibrationLabels
394071	[WBID2109143811] UndefinedObject does not understand compareGreaterThan: -already solved with INCA V7.1.5
394554	Cursor focus lost when toggling equal-/different-filter in CDM
394592	[WBID2707429272] Primitive failed in: ArrayedCollection class>>#new: due to Value out of range in argument 1
395394	[WBID55948385] when activate from Variable Configuration window inactive variables
395408	Unnecessary error message in INCA Monitor after INCA reconnect
395448	[WBID1523310557] nil is not a valid key for LookupTable
395500	Critical exceptions encountered when adding variables to EE with ETK with Distab 17
395556	[WBID3486997916] UndefinedObject does not understand max:
395658	[WBID1745975877] ASAP2BytesCharacteristicValue does not understand

	setApplicationFlags: [WBID1479381447] Primitive failed in: Object>>#at: due to Index out of range in argument 1
395680	TargetServer crash occurred when waking notebook from sleep mode and attempting reconnection with XETK
396305	INCA stops responding when resizing the oscilloscope while experiment is measuring (solved with .NET 4.5.2)
396538	[WBID4222991333] RBNumericCalibrationWidget does not understand resetToRPValue
396691	Export path is not saved when closing INCA
396698	[WBID4155512816] UndefinedObject does not understand updateContents
399070	[WBID4198440500] System error on attempt to open EE
399171	Application error when switching tabs in Experiment (solved with .NET 4.5.2)
399194	INCA.exe application error encountered while waiting for manual trigger in experiment (solved with .NET 4.5.2)
399263	Import/Export path after close INCA is setting back to the default setting
399595	GPS Receiver: Error while initializing GPS Device (depends on GPS vendor) - support of all virtual COM port types of GPS devices
399683	COM API: Launcher view gets not refreshed after import
400538	ETAS License Manager: Borrowed INCA license can not be returned to the server because of Flexera API version conflict (support of Flexera Server V11.11.1.3) - Note: Setting of registry key required.
401068	[WBID619999271] Primitive failed in: String>>#at: due to Index out of range in argument 1
401428	KWP flashing fails
401667	When moving experiment elements from one layer to another there are refreshing problems
402669	Displayed axis value for Curve/Map in EE or CDM is not expected one
403294	Virtual Measurement with VTAB does not show string
403882	Experiment More Windows dialog will not restore minimized windows
404120	[WBID3983698112] when selecting adaptive calibration variable in case CHECKSUM_PARAM and DEFINED_PAGES part is not included in CCP A2L file.
405013	Creation of new Experiment using ES910 MCE and ASAP3 is not possible
405091	CAN UDS search for hardware for a 2nd time after initialization hardware
405190	VSD displays Default raster inconsistently for XAML projects
405335	User receives INCA application error frequently while recording (solved with .NET 4.5.2)
405461	Value missing messages if starting EE the first time
405477	In message box it is not possible to permanent switch off "show label name"
405920	[WBID3455062748] RBDDataBoolean does not understand <
406089	No Connection to XETK-V2.0A if switched from APIPA to fixed IP-Address
406283	Adding calibration variable to experiment causes WB at HIL [WBID3983698112] nil is not a valid key for AbtHighCapacityLookupTable
406322	ASAp2 Editor: Change the size of the left or right field is only possible in fullsize mode
406454	[WBID2209574696] UndefinedObject does not understand getRecordLayout
406470	ASAM2-Subset-Generator is in use and created A2L file is not conform with

	ASAM-definition
407107	Experiment minimized windows management (minimized windows sometimes not opened)
407396	[WBID3971116608] UndefinedObject does not understand prepareForDrawable
407431	NLS the complete text of the IP-Manager's notice is not adequately represented due to missing space for the notice in the German language
408284	MCE channels are not available after configuring over ASAP3
408441	(J2534/GMLAN) - Error in UDS On CAN transport layer \ INCA cannot initialize MongoosePro GM II
408531	TgtSvr crash if you start UDS Measurement with full selected measurement raster
408593	TgtSvr crash if you start UDS Measurement (Blockmode = 605Bytes) with full selected measurement raster
408651	Icon to enable and disable multi-recorder is not as expected
408801	Deleting lot of variables leads to window where Yes/No is outside of computer .
408857	WBID3689701642] MCSDSMainView does not understand widget) when use Axis -> Supporting Points Setup in CDM Inline Editor and ASAP2 Editor
408917	Possible that after using from "Fill With Value" the wrong Values are used - in the prompter the old value is shown
409160	Tool API command WriteEventComment does not work anymore
409219	INIT is very slow if HWC contains ETK and CAN-Monitoring
409543	[WBID2889824051] String does not understand - when loading environment with special CURVE/MAP
409652	Inca hangs if no ECU is connected during init XCP on ethernet (TCP/IP) with VX1131
409764	iLinkRT couldn't measure more than 255 labels via ES910 MCE and XETK
409805	iLinkRT potentially couldn't measure more than 255 labels with ES910 MCE and 2 MDG1 raster are used
409827	SetProjectAndDataSet Method does not assign attached project
411538	[WBID2095523858] UndefinedObject does not understand do:) when try to add VUI including old Osci in EE for new Osci
411847	[WBID3023355897] LookupTable does not understand positionSplitbar1 - Walkback encountered when open experiment
411960	[WBID820619798] receiver must be a boolean
411971	[WBID356480865] System error on attempt to download using ETKS
411999	XCP on Ethernet - Invalid MAX_DTO detected 1472. MAX_DTO was set to 1456
412000	[WBID1026740679] MCSDSMListAction does not understand compare:with:labels:output:dialog: when action is changed and press F3 in CDM
412073	CDM: [WBID1019849470] UndefinedObject does not understand textCr: - when format is changed and press F3 in CDM
412436	[WBID2720786807] UndefinedObject does not understand workPage) when open EE
412437	label names are not complete visible when added to VUI with Slider Editor

412493	CDM: [NetWBID258613905] System.Runtime.InteropServices.InvalidComObjectException: COM object that has been separated from its underlying RCW cannot be used." when switch experiment in DBB->CDM
412537	XCPonUDP: TargetServer/INCA crash if [RESSOURCE == 0 && ECU Description Handling == User]
412774	[WBID2506669437] receiver must be a boolean" when cancel dialog "want to remove layer Calibration Data Manager"
412807	[WBID809289893] UndefinedObject does not understand device - when open EE-->CDM, open "About label" close "About label" close CDM and do alle these steps again for a second time
412815	DataFreeze dialogs appear multiple time even when procedure is aborted
413033	MDF low disk space error reported but some space left - optimized
413076	[WBID1727967164] (ExCPMStackOverflow) A stack overflow has occurred - when import file that contains database contents
413100	[WBID3099039270] (ExCLDTIndexOutOfRange) Index out of range. - when copy and paste ES610 in Hardware Editor
413127	VUI - Text for vertical bar is illegible
413224	Checksums not shown in MPM not shown after Action 'Flash Data from DataFlash to WP/RP' for XETK-V1
413233	Inca warning dialog when copying array from csv in CDM
413270	INCA and ASAM-MCD 3MC V2.2 interface: Variables in a 2nd collector disappear from running experiment
413499	Check and update the .NET installation to V4.5.2 if required (Notes: 1. Not supported: Win XP; 2. Automatic update might be switched off with "InstallDotNet=False" in install.ini; 3. Check only during installation/update of INCA V7.1.x)
413704	A signal is not assigned to proper channel on the ES930 Configure Output Channels Window if sort is enabled
413716	ETK-S4.2: After Prof Flashing (which is successfull) an error occurs 'StorePermanentlyToTarget failed'
413752	Inca A2L cannot be read in, results in [WBID3438608965] or [WBID1440816517]
414103	Data logger LABCAR-OPERATOR: Datalogger cannot be started in INCA
414145	EE: measurement of infinity values does work with bit display--> "[WBID3347875619] (ExCPMStackOverflow) A stack overflow has occurred.." and "[WBID1828434506] Exception in UI process"
414205	ETK: Autostart page was not set correctly, when "Last Active Page" was selected
414237	ASAMMCD3v2.2:WriteRead-Recorder not supported with MDF4
414283	Unable to flash T89 controller with ICAN
414538	Invalid Measurements over ASAP3 if CAN Monitoring signal is slower than ~300ms
414731	ES720: MDF4 file not created on start recording after some measure cycles
414746	[WBID863990461] UndefinedObject does not understand add:
414956	ETK-S6.0B sets incorrect value to ERAMAR

414975	A1B XETK Configuration failure. Wrong ODT-Entry sizes
415125	[WBID4038915563]String does not understand isArithmeticFormula
415345	Recovering of measure file fails after INCA crash
415473	DAQ CAN ID configuration used by INCA is different from the one expected by the ECU
415557	CDM: [WBID1782112625] SmallInteger does not understand at:ifAbsent:ifPresent: - when CDM viewer is opened and closed CDM with saving config
415673	ETK is not reinitialized after powerfail of T30
415727	INCA freezes after axis change in YT Osci. Note: Requires update to .NET V4.5.2 (shipped with INCA 7.1 SP6)
415831	[WBID2505561594] when trying to user VTAB with virtual measurement
415856	CDM: [WBID3932013172] Array does not understand fontStruct - when open same experiment in CDM 3 times
415939	DBB; asap2-editor: [WBID353307040] UndefinedObject does not understand updateDependentParameters - when choosing a conversion method in treeview
415987	[NetWBID4080051704] SlimDX.Direct3D9.Direct3D9Exception: E_OUTOFMEMORY: Ran out of memory (-2147024882)
416191	all serial ETK in combination with ES592/593/595 or ES910: Measurement is not restarted
416204	ASAP3: Option: Load differences after switching ignition off/on does not work
416220	CDM EE: "[WBID2028507252] UndefinedObject does not understand setAttachments:" when open in CDM an experiment (context menu open experiment on source)
416385	CDM: [WBID2844745711] on modifying values
416443	XCP T1 timeout for SYNCH not performed if BUILD_CHECKSUM T2 timeout occurs
416528	INCA does not takeDefaultCANBaudRate from xml-Config File
416576	EE & SIP: [WBID3113806641] (ExHalt) A halt has occurred." occurs when "using adaptive parameters" is set to yes in user options and open EE
416594	CDM: "[WBID207427076] Primitive failed in: Object>>#at: due to Index out of range in argument 1" when delete the source after doing some actions in label viewer
416623	Measurment Values freeze in Morphee Software using ASAM 3MC after some time - already solved with INCA V7.1 SP5
416802	EE: [WBID1196299693] on adding variable to experiment window
416996	Communicaiton Interruption between Morphee and INCA MCE with XETK - - already solved with INCA V7.1 SP5
417471	INCA crashes during eCDM import
417627	CDM E-Target: Modal "monotony violation" dialog appears several times in CDM when navigation over labels
417740	CDM EE: "[NetWBID3154583504] System.InvalidOperationException: Variable 'ANZTIS\0400 [0400_1]#RAMCal' not found in device '0400 [0400_1]#RAMCal' when clicking on Ramcals in CDM/EE
417775	ASAP2 Editor: F6/F7 does not work when VTab Scalar was changed by selecting value in DropDown List

417789	Different behaviour after flashing from file and database with dynamic emulation with ETK-S
417995	MCD3 - Measurement Channels from are deleted from Experiment if a Calibration(s) is added
418049	ETK: Raster fill was erroneous when 255 one-byte signals were already selected in Distab 13
418568	ASAP2 Editor: Menu View -> Optimize Column Size is disabled for Scalars in ASAP2 Editor
418590	Signal list not displayed in the VSD after import of CAN DB file
418707	CDM: "[WBID2689528264] MCSDSMController does not understand currentDefaultRasters:" when adding measurements to CDM->EE->VUI->SUB`VUI->Measuretable
418773	Backanimation does not work in MCE/EtherCAT with ETK-T Setup via MCD3 V22
418777	EE: Old oscis with measurements are shown in CDM->EE
418813	Experiment minimized windows management (minimized windows sometimes not opened)
418844	The usage of a temporary folder by the PROF convert.dll now works correctly and the actual used path is printed in the PROF logfile.
418932	INCA tries to re-init XCP without regarding workspace setting. Note: Solved by fixing the A2L file according to recommendation in calls #418933 and #418934)
418933	XCP InCircuit2, using old experiments fails. Note: Correction requires update of a2l-file.
418934	INCA loses connection to TCU when connected by XCP. Note: Correction requires update of a2l-file.
418966	INCA freeze when close control flow dialog after flashing is completed
419001	Initialization with CCP fails
419024	XY-Oscilloscope do not longer work with provided Walkback fix of #415987 - Issue with beta version solved
419096	INCA does not respond while using CCP ECU and CAN Monitoring on ES581.3
419139	Connection problems when going between vehicle and company network
419275	XETK connection in INCA/XCT fails, as the XetkProtocol component can not be initialized properly
419358	[WBID560348227] UndefinedObject does not understand dataElement
419568	[WBID3749522811] UndefinedObject does not understand byteSize - Walkback encountered when launch Experiment Environment with specific a2l file
419642	ETK: Wrong rastercheck display color on selecting TDM signals
419665	Message "The ECU reported x unexpected PIDs in total during the measurement. The displayed/recorded data may be inconsistent!!!" changed to "The ECU sent x unexpected PIDs in total during the
419672	INCA-SIP : SIP Server crashed when model contains the character not complying with ASAM 2MC.
419734	Performance optimization of selecting signals in EE
419958	EPK cannot be readout from ECU via ETK-S20 if a project file is without CODE

420348	CDM: INCA hanging when open special array in inline editor
420647	CDM: "[WBID3025109363] UndefinedObject does not understand projectNodeTree" when change z-value of curve in DBB->CDM->EE->VUI
420654	INCA-workspace for IC2-ECU cannot be used for programming of ECU
420679	Inca won't read in FIBEX file
421039	CDM: [WBID2689528264] MCSDSMController does not understand currentDefaultRasters
421412	Known issue with INCA 7.1.6 beta versions: MPM shows different checksums after Upload Data from ECU for projects with no Code Segment defined. (Note: solved with beta16)
421514	ES720: [NetWBID29874681] System.InvalidOperationException: Invoke or BeginInvoke cannot be called on a control until the window handle has been created.
421719	tx
421990	INCA-MCE produces unexpected Performance Logger Error Entries
421999	[WBID2276725951] CIDataTypeLimitsExceeded does not understand cseErrorContents:
423381	MCE back animation with I-Link is not working properly
423402	DOCU: Tool Api documentation does not work in Content Tab "Dieses Programm kann die Webseite nicht anzeigen." is shown
423442	[WBID1041264406] occurs if map of grouped ECU is calibrated via ASAP 3
423468	Maximizing an instrument in the left layer destroys window settings in all layers of the experiment
423643	Calibration session log not written if working with ES592\ETK device in the EE
423698	Different behavior dependent on the way the new value is set for VTabs
423843	Cannot change 1 Byte value on Experiment (INCA V7.1.5 only)
424218	Hardware init over KLine failed
424232	ASAP1B Driver Can Monitoring FD floods the target server logfile with info messages
424252	Problem with ECU programming through K-line
424516	INCA crashes when importing project with COMAPI
425067	KIR issue solved: XCP calibration after reconnect might have not effect on ECU functions
425421	Flashing does not work for customer ECU with UDS with customized ProF script
425536	Manipulation of Calibration Variable is not instantly adapted in INCA -> DDE7/DDE8
426479	Wrong INCA behavior after ungroup and group in Experiment Environment
427613	Flexray Bug in Experiment Environment (new Osci) and sometimes same in MDA715 comparable to new Osci in INCA715, wrong data displayed. Note: same like #380715
427828	INCA V7.1.6 beta 16: Wrong return value for API Method DevObj.IsActive (Note: this was only an issue with the beta version)
428215	[WBID3306043862] [WBID2572736933] (ExCPMStackOverflow) A stack overflow has occurred - during change of project

5.2 INCA V7.1.5

5.2.1 Recommended Installation

It is recommended to install the update the complete INCA V7.1 only with help of the Service Pack (installer) of the INCA V7.1 SP (see also the corresponding INCA Service Pack release notes)

5.2.2 New Features

See What's News slides INCA V7.1 SP05 (INCA-V7.1-SP05-Whats-new.pdf)

5.2.3 Known Issues **solved** with INCA V7.1.5 – Important Hints

- # 371185, 381580 ETK:
ETK-S4: Improve error message in case of invalid calibration methods specified in A2L file
- # 404832 XETK:
Target Server crash when starting measurement without previous XETK initialization
- # 404976 XETK:
Target Server crash, when quick power cycle occurs during XETK measurement
- # 396449 ETK:
ETK-S20: Sporadically the Flash programming fails with TC264D-ED A-Step, TC275T-ED B+C Step and TC298T-ED A-Step
- # 394064 ETK:
all ETK-S: Upload does not work if no CODE -segment is defined in A2L -file
- # 398223 ETK:
ETK-S20, ETK-S21: Data Freeze is called on attempt to execute ASAP3 command SELECT DES AND BIN
- # 398905 ETK, XETK:
Improvement of raster performance check on distab17
- # 392055 ETK
ETK-S22: Measurement issue with INCA V7.1.4
- #394843 ECDM: [WBID1714993432] occurs when updating source from data exchange files via eCDM
- #382083 Device XCP:1 does not define a TPBlob. Cannot load the Asap1b driver
It is only an issue by parsing the A2L file, when the included AML files doesn't exist.
Workaround: Provide all AML include files.
Note: Only relevant for corresponding projects using XCP AML V1.2
- #381580 Drivers&Tools 3.12.0 MPM actions for ETK S4.1A seem to do incorrect copy actions and INCA is not able to configure ETK either
Note: solved with INCA 7.1.5 beta19 or higher.

5.2.4 Open Known issues of INCA V7.1.5 and former versions

- Some of the reported issues with the new INCA V7.1 Oscilloscope are solved with **Microsoft .NET Framework 4.5.2** (additional download on Microsoft download page) – please check your installation.
It is planned to add an automatic check and update to INCA 7.1 SP6.
- #413716 ETK-S4.x: If using ETK reconfiguration feature in PROF flow, an error message occurs during automatic HW re-init after successful flash programming. Please accept the error message and confirm subsequent HW re-configuration and ECU reset confirmation dialog! Inca will now successfully repeat the HW init process and be ready for M/C operation again.
- #412815 – Data Freeze Dialogs appear multiple time even when procedure is aborted
- #408857 CDM: [WBID3689701642] MCSDSMMainView does not understand widget) when use Axis -> Supporting Points Setup in CDM Inline Editor and ASAP2 Editor. Solution planned for V7.1.6.
- #408917 EE: Possible that after using from "Fill With Value" the wrong Values are used - in the prompter is the old value shown

Known issues of former INCA Versions

- #373433 HIL Test Bench: LABCAR CCI data logger: It might happen that data logger cannot be activated anymore and therefore new data logging is not possible
Note: Solution planned with updated LABCAR or INCA version (depending on issue)
Addendum: Part of solution in Test with INCA 7.1.5 beta
- #373446 Labels in the CDM might be not updated when address are used more than one time

5.2.5 Bug Fixes and Improvements

- Note:
 - Some fixes are solved with the corresponding INCA – Add-Ons (also part of the INCA Service Pack (SP))
 - EHI calls are listed in increasing order

EHI #	Title
275593	Write2RAM EE: Calibration access on working page possible after connection interruption or if ECU is in reset
309617	WBID1330975451] 'Primitive failed in: OSPtr class>>#privateCalloc:reftype: due to Not enough memory' appears after 450 open/close EE cycles
333046	EE: For Calibration Window is over area with VTab Value not possible to use Popup Menu
338798	ShiftF6 / ShiftF7: Shift-F6 / Shift-F7 does not work for Scalars in ASAP2 Editor
348912	Possible to get not used area in a widget after changing the size from these widget
349843	EE: Alt-O (Fit column) does not work on measure tables during visualisation

	and vertical scrollbar that should not appear
351117	Possibly Combined Editor Properties entry for Inc/Dec Step not updated after changing Data Representation
351287	DBB: [WBID3686181644] UndefinedObject does not understand compareGreaterThan: when import special workspace
353135	Improvement of Error Message if too many ECUs are in use for MCE System (max is 5 ECUs) - Note: Requires INCA Add-On MCE V2.0.1 or higher (part of the INCA 7.1 SP)
358406	[WBID3034539543] sporadic WB
361659	Resizing of "Key and Value" field in CDM hides itself and other fields
367629	[WBID3782605687] UndefinedObject does not understand sendMessage:wParam:lParam:
367632	[WBID4231619944] UndefinedObject does not understand revokeDragDrop
368042	[WBID1385503001] UndefinedObject does not understand diffFile:
369214	ES583: Unable to reinitialize XCP on FLexray after HW cable diconnect and reconnect. Note: Requires HSP 10.4
369977	About Variable menu option disabled for specific variable
370985	CDM: Display error when moving the mouse over an entry in the integrated about viewer in CDM when the entity's name is not shown
371185	ETK-S4: Improved error message in case of invalid calibration method specified in A2L-file
375438	iLinkRT error when attempting to write to entire GM calibration map - Note: Requires HSP 10.4.1 or higher
378195	[WBID211830201] UndefinedObject does not understand removeActionDictForWidget: can occur when changing name of device in EE->HWC
379180	INIT is very slow if HWC contains ETK+CAN-Monitoring
379696	ES410 measurement values freezes with a sampling rate of 5 ms - Note: Requires INCA AddOn ES4xx V1.4.3 part of INCA V7.1 SP5.
381580	ETK-S4: Improved error message in case of invalid calibration method specified in A2L-file
382083	XCP-AML V1.2: Device XCP:1 does not define a TPBlob. Cannot load the Asap1b driver
382108	Flash error when flashing over ES593
382948	CDM: The output CDFX file resultant of performing a listing action has a different sort each time -> Sorting is not respected
383029	Compare_mode ASAM2-MC doesn't work like defined
383329	[WBID693730511] UndefinedObject does not understand allSignalGroups error
383738	Pure Virtual Function Call error when running CAMEO/PUMA/INCA together
383953	INCA Crash During Morphee "Full Scan" if MCD3 Server Options are set to "INCA Workspace Search" = "All Folders" AND "INCA Project Search" = "All Folders".
384126	[NetWBID3434715836] System.NullReferenceException - missing compu method
384470	Inconsistency between ST Rate Selection Dialog and .NET VSD for XCP device

384489	HTML output for comparison highlights not only the differences
385164	Paste characters in the search field of the VSD overwrites original characters
385719	Add INCA-MCE logfiles to ETAS\Logfiles
386966	INCA-EIP calibration data does not display as expected
387007	Overruling of common parameters does not work
387578	eCDM - Creta Adapter might be not loaded
388023	Setup Service Pack: NLS support
388134	[WBID2271659904] System error moving a calibration from one layer to another
388286	Refresh problems with the Scrollbars of Layers.
388312	[WBID1560795933] UndefinedObject does not understand getASAP2WithShortNameType
388316	[WBID2271659904] UndefinedObject does not understand menuOptimizeColumnSize
388354	Known issue with INCA V7.1.5 and higher in combination with MDA V7.1.3 and lower: Not possible to load the MDF-file. Recommendation update also MDA (shipped with SP5)
388440	XCP communication not working with customer specific ECU test tool
388484	Measure cal values are wrongly scaled in Osci (dez instead of phys displayed)
388708	ASAP3: Runtime Error Pure Virtual Function Call R6025
388847	EE Layers - Measurement window does not jump back to its original position
389273	Ctrl+Tab does not switch between all widget windows in the experiment when Osci V7.1 available
390126	FIBEX and LIN files cannot be read to INCA from source path with apostrophe in it's name included
390142	[WBID2326214540] EtasAPIExperimentDevice class does not understand createFor:item:
390316	Possibly that new created widget does not use the expected font
390614	CCP measurement is not possible if FIRST_PID is not defined in the A2L.
390754	[WBID3581721586] UndefinedObject does not understand createKey:forKey:in:
391579	[WBID693730511] UndefinedObject does not understand allSignalGroups
391946	Korean file name DCM can not add variable in CDM
392010	[WBID1351894590] UndefinedObject does not understand extent
392055	ETK-S22.0A Measurement issue with INCA v7.1.4 beta 11<Interfacetype=Jtag>
392099	[WBID2463056246] UndefinedObject does not understand cmdShouldAnyCompareThingBeListed:
392102	User Option Count Frequency Factor is not remembered correctly
392556	[WBID994255668] Primitive failed in: ByteArray>>#uint16At:put: due to Value out of range in argument 2
392904	ASAP3: Option: Load differences after switching ignition off/on does not work
392936	Import of DCM on VP-System does not work correctly if size of maps/curves is different to WP
393013	[WBID4284345241] IDispatch call returned an exception. ErrorCode: 0x80131600 Source: Etas.Base.Shared

393073	ASAP3: Save wrong comments in the measure files
393322	Problem to modify a boolean parameter (physical value)
393364	[WBID2683833866] OrderedCollection does not understand includesKey: CDF - Generation of instances in CDF File: INCA gets a WB when try to write CDF File with instances
393387	[WBID4281997937] INCA crash during meta data update in a prototyping project
393976	Default setting for programming port for flashing an XCPonCAN ECU port changed to K-Line insted of CAN ->> Changed default to CAN
394049	[WBID2109143811] UndefinedObject does not understand compareGreaterThan
394064	ETK-S: Upload does not work if no CODE -segment is defined in A2L -file
394065	[WBID2193529382] UndefinedObject does not understand updateContents
394346	CDM QM Editor does not get the changes from the Quality Layer
394726	COMAPI: EE open / close in a loop works only with workaround to re-create the experiment instance inside the loop
394792	COM API: function SetExperimentEnvironment always returns "false"
394846	[WBID2144748183] system error after cancel of deleting of a DCM in CDM
394906	Service Pack Installation dialog scrolls to top of list if select check box
394913	Experiment Environment windows display 0 for NAN/INF values
395232	[WBID2787478047] RBDDataMatrix does not understand calculatedDistribution
395238	Browsing data sets is very slow
395260	[WBID1683214013] nil is not a valid key for LookupTable" can occur when adding matrix measurements
395293	Checksum verification failed for ES910
395403	MDFShellExtV2.0.1 Explorer hangs if folder is opened via Libraries link Note: Solved with MDF Shell Extension V2.0.5 (part of INCA V7.1 SP5)
395480	INCA Addon Can Transmit: [WBID3202343969] EtasGenericHWItemMeasureDeviceVersion3 when try to use the CANTransmit-Device together with an XCP-Device on ES581. Bugfix makes it possible to use INCA Addomn CAN-Transmit and XCP-Device together on ES581
395499	Dataset import/export fails if external drive removed after import
395623	MDF Filesize: After closing the EE a File Size Exceeded Exception thrown
395688	ProF-Config can not be installed, inadequate description
395691	HotKey assignment for Alt+> & Alt+< missing in keyboard layout manual
395742	Fixed strings are used in "Compatibility" tab in the ASAM-3MC Interface
395955	Value and Cursor columns: Legend sorting is working in alphabetical order
395963	Style icons are truncated, when marker symbol is selected
396058	CDM does not copy but shows no error
396064	Copy in cdm does not work due to unit
396124	Feature Bounds Check create wrong result ("Lower/Upper limits exceeded") if values are at the border of the limits
396219	ProF convert.dll does not support S6 record format in S19 files

396285	[WBID2096080622] Primitive failed in: OSPtr>>#uint8At: due to General protection fault - read from invalid memory location
396319	Combined Editor in VUI lead to wrong calibration
396449	Sporadically the Flash programming fails with TC264D-ED A-Step, TC275T-ED B+C Step and TC298T-ED A-Step
396489	Raster percentage remains the same after an update
396506	HWC: Flashing with a wrong flash port (after change of flash port)
396544	Wrong Time into the MDF-File. Note: requires MDA V7.1.5 also part of INCA 7.1SP5.
396560	Monitoring of bounds window increases at repetition of the achieved limits
396740	OHI - open external configuration tool via -CALLER="INCA" - inputFile="inputFile" added missing quotation marks
396745	ETK-S22.0 ETK configuration updated issue, during ETK switch between RH850-Fx4-RH850 controller
397940	Opening VSD from MCD-Hub AssignmentEditor crashes INCA
398223	Data Freeze is called on attempt to execute ASAP3 commend SELECT DES AND BIN
398359	[WBID3514526719] System error activating a special layer in EE
398896	Warning for not matching EPK is not completely displayed, if EPK is invalid
398905	Improvement of raster performance check on distab17.
399033	The XCP AML replaced and message in monitor "aml description for XCP replaced with internal standard" is displayed
399181	[WBID3753871432] IDispatch call returned an exception. ErrorCode: 0x80131600 Source: Etas.Base.Shared. ExceptionInDotNETCOMServer_KeyWord - NetWBID642990540
399219	API Command "GetDefaultRasterForMeasureElementInDevice" does not work for MDG1
399344	INCA COM API generates folders having the same name
399362	WBID2391138989] EtasExEnXmlElementConfiguration does not understand symbolicName when right mouse click on experiment --> "Convert Experiment --> Apply Mapping Table using new definitions"
399441	ASAP2 Editor - WB when selecting computation method: [WBID3286640024] CompilerError does not understand checkForNotV16
399457	"[WBID1891557050] EtasL1AccessVector does not understand direction" when changing value of a axis with ES1135
399497	[WBID359472312] (ExCLDTIndexOutOfRange) Index out of range." can occur when open properties dialog of axis in EE
399555	[WBID3778083248] System Error while copying if oldest oscilloscope is in use
399584	INCA freezes while XCP over ethernet communication with ECU
399733	Result of StopRecording() Command depends on "Show Output File Properties" Option
399827	StopRecording() takes over Name/Path information not for current but for next Recording
399985	XCP on Ethernet: Wrongly error message displayed in Monitor window about time jumps - if time stamps are used from ECU
400039	CEE_CCI: INCA WB after closing CEE [WBID3810568864]

	EtasCEECustomerWidget does not understand removeData:
400082	Limit of maximum ODTs is not evaluated during variable selection
400189	Comparison between literal and number in dataset and DCM works inconsistent
400303	INCA MIP not saving proper data file
400536	[WBID94486809] UndefinedObject does not understand fileName" when open special EE
400548	It is not possible to flash a Delphi ECU via ETKS9.0
400971	Editor does not retain minimized
401229	Boolean parameters are not illustrated in window and not possible to calibrate.
401266	ProF CNF Parser problem for byte arrays
401421	Measure signal is removed from default recorder if a setting "record only" is used
401619	ETAS_TIME: Service hangs sometimes on parallel usage
401648	Seed and key setting for CCP device is lost
401754	INCA freeze during long time measurement
401818	INCA use the wrong DBC-Formular if two labels with the same name defined into the DBC-file
402066	WBID2795118296: E-Target-project: Values for axis points cannot be changed - system error - Note: Requires INCA-EIP 7.1.5 part of INCA 7.1 SP4.1
402335	[WBID3040371285] UndefinedObject does not understand subtractFrom: AND [WBID3969747970] Exception in UI process
402358	Some pictures are not displayed properly on the online help
402516	IPM server crash during the batch run with LABCAR (sporadically)
402689	[WBID1664074646] UndefinedObject does not understand parent - Note: already solved with another call with INCA V7.1.4
403111	WBs on test bench solved: WBID3587372469, WBID2599062486, WBID4076567885, WBID3778083248
403129	Different WBs solved: [WBID59480723] [WBID2335978376] [WBID3793770835] [WBID1828434506] [WBID1738641561]: - Note requires also update of INCA - AddOn MCE V7.1.5 (part of INCA V7.1.5 SP5)
403201	[WBID2519155168] EtasDynamicEmuRAMV1CalibrationMethodWrapper does not understand suppressMessages - MDG1
403582	Boolean Calibration values not displayed as expected in Calibration Window
403662	CDM did not refresh the not equal sign when the destination was disabled upfront (automatic enabled while F9)
404101	[WBID2918589763] UndefinedObject does not understand between:and: INCA has stopped working message displayed when running solver over MCD3
404105	The INCA-PROF command 'UDSX_ERASE_MEMORY' does not handle negative responses with code 'pending' correctly
404498	[WBID2230595599] Walkback encountered when attempt to launch Hardware Editor
404508	WBID4290895635] Primitive failed in: Float>>#truncated due to Value out of range in receiver - by moving switch in EE

404522	[WBID3803771441] Walkback when change an axis value in a table - Note: Requires INCA-EIP 7.1.5 (part of INCA 7.1 SP4.1)
404708	Help topic is not launched for Bounds Check user options
404709	API-Command SetImplValue() returns false, though the calibration was fulfilled
404711	INCA crashes after closing it and reopening INCA with API: Targetserver: Critical exception 0xe06d7363 and [WBID482615524] (ExCLDTIndexOutOfRangeException) Index out of range.
404832	Target Server crash when startig measurement without previous XETK initialization
404837	Invalid Measurement reported in ASAP3.log after pressed button Start Visulization <F11>
404861	XCP A2L is not correctly parsed
404893	Target Server Critical Exception 0xC0000417 when using 3 ES581s
404976	XETK: Target Server crash, when quick power cycle occurs during XETK measurement
405040	Axis can be edited in a non-monotonous way despite the fact that axis is defined as MON_INCREASE
405206	ETK-V1: PROF Flash via ETK not possible
405287	PC freezes with long term measurements
405331	CDM data changes are not updated until dataset is refreshed or selected
405489	Font change of measure window is not adapted to measure window in VUI
405779	[WBID1153975170] Systemerror on attempt to scroll in variable list
405789	[WBID1912858463] Systemerror on attempt to calibrate out of bounds with Open EE instrument
405805	[WBID3584439667] Use of ETarget Project causes system error
406099	[WBID4066486309] UndefinedObject does not understand subtractFrom: - When key off and battery off while running GLAT
406257	CDM copy action fails with array from csv
407012	[WBID2695243642] UndefinedObject does not understand transformedBy:" can occur when switching data representation with ctrl-b
407026	[WBID211858329] when editing axis in CDM
407096	[WBID1738641561] UndefinedObject does not understand subtractFrom: AND [WBID1828434506] Exception in UI process
407200	INCA and MDA: MDF 3.0 file format which is output by MDA 7.1.4: HD block size is too large. Issue reading file with external reader.
407213	MDA: Creation of ASCII format files mixes up comments
407708	KWP, UDS and GMLAN implementation for ES690 is waiting too long for response
408232	CDM- symbol for "dataset read only" is not available
408447	Not possible to read Fibex file: Crash. Note: Requires INCA Add-On FLEXRAY V7.1.5 part of INCA 7.1 SP5.
408680	[WBID2295661486]:MISSING 42 in krn: Calibration of Label
409132	XCP-ON-CAN when disconnecting ecu while a measurement is running, the ecu is initialized repetetively

410324	XCP-reconnect doesn't work during long-term-test
410514	The Ethernet System Configuration tool(IP manager) displays 7400, instead of ES891, for ES891
411555	Prevent CAN_FD project assignment to legacy CAN-Monitoring device
412807	[WBID809289893] UndefinedObject does not understand device - when open EE-->CDM, open "About label" close "About label" close CDM and do alle these steps again for a second time
413146	Initialize hardware is failed for ETK-S22.0A if configuration key "INTERFACETYPE" is used. Recommendation: Change to "InterfaceType"

5.3 INCA V7.1.4 HF1

5.3.1 Recommended Installation

It is recommended to install the update the complete INCA V7.1 including the INCA V7.1 HF only with help of the Service Pack (installer) of the INCA V7.1 SP

5.3.2 Known Issues – Important Hints

See INCA V7.1.4

5.3.3 Bug Fixes

Important CDM, ProF and stability issues (for INCA and INCA – Addon EIP) solved.

EHI #	Title
383029	Compare_mode ASAM2-MC doesn't work like defined
384489	HTML output for comparison highlights not only the differences
400189	Comparison between literal and number in dataset and DCM works inconsistent
403662	CDM did not refresh the not equal sign when the destination was disabled upfront (automatic enabled while F9)
404105	The INCA-PROF command 'UDSX_ERASE_MEMORY' does not handle negative responses with code 'pending' correctly
403201	[WBID2519155168] EtasDynamicEmuRAMV1CalibrationMethodWrapper does not understand suppressMessages - MDG1
404522	[WBID3803771441] Walkback when change an axis value in a table Note: Requires INCA-EIP 7.1.5 (part of INCA 7.1 SP4.1)
400879	[WBID2080026571] EtasL1AccessVector does not understand direction Note: Requires INCA-EIP 7.1.5 (part of INCA 7.1 SP4.1)
402066	WBID2795118296: E-Target-project: Values for axis points cannot be changed Note: Requires INCA-EIP 7.1.5 (part of INCA 7.1 SP4.1)

5.4 INCA V7.1.4

5.4.1 Recommended Installation

It is recommended to install the update the complete INCA V7.1 only with help of the Service Pack (installer) of the INCA V7.1 SP

5.4.2 New Features

See What's News slides INCA V7.1 SP04 (INCA-V7.1-SP04-Whats-new.pdf)

New Features

- ETK - Support
 1. New Support of XETK-S20.0B
 2. MPC5746R Flashing via EBF with ETK-S21.x
 3. ECU Flash Programming for INFINEON TC298T-ED with ETK-S20.x
 4. Generic controller support for ETK-S20 and ETK-S21
 5. New ETAS ETK Tools package
ETK Drivers & Tools gets replaced by ETK Tools
- ASAP3 / COM API: Automatic GUI-Update for calibration via COM API
- CDM – Bounds Check: INCA warns the user when adding dataset that exceeds A2L bounds
- INCA-MCE V2.0.3 – Support of ETK/XETK with Dynamic EMU RAM Mode
- New HW-Support
 1. ES583 USB FlexRay compact device
Note: Requires the installation of the corresponding INCA-ES5xx Add On V7.1.4 part of INCA V7.1 SP4

5.4.3 Known Issues **solved** with INCA V7.1.4

- #339210 ETK:
Raster-Check Improvement for DISTAB17
- #383328 ETK:
Calibration with "Limitiert EMU-RAM" not possible in Experiment Preparation mode
- #381215 ETK:
No ACC message if the software does not match
- #378411 ETK:
Advanced Code Check dialog is coming up at every INIT after DataFreeze with ETK-S20 and ETK-21
- #388743 ETK:
LERTV3 with ETK_XETK_AML less than 2.0.0 can now be used in INCA
- #382162 ETK:
Measurement using an ETK does not work reliable if a Trigger Mode 1 -project is used in combination with an ES592, ES593, ES595 or ES910
- #383626 ETK:
Flashing for AS_ETK-S22 fails at executing debug macro DBG_INIT

- #396493 ETK:
Datafreeze from WP to RP leads to system error
- #372813 Windows 8 64bit Microsoft Surface 128 GB: INCA HWK does not start
On Windows 8 64 bit systems, it might happen that the timer of the system is not supported correctly and HWC will not open. This depends on the hardware.
In such case the timer driver does not support a special interrupt controller mode of the given controller.
- #378916 [NetWBID645360859] System.NullReferenceException: Object reference not set to an instance of an object." can occur during drag and drop between measure windows and oscis
- #383765 Raster switch with EVENT_CAN_ID_LIST does not work correctly if measurement is running
Sporadically INCA does not configure correctly the measurement but does only start and stop some DAQ-Lists
- #383328 Calibration with "Limitiertem EMU-RAM" not possible in Experiment Preparation mode

5.4.4 Open Known issues of INCA V7.1.4 and former versions

- #394843 ECDM: [WBID1714993432] occurs when updating source from data exchange files via eCDM
- #373433 HIL Test Bench: LABCAR CCI data logger: It might happen that data logger cannot be activated anymore and therefore new data logging is not possible
Note: Solution planned with updated LABCAR or INCA version (depending on issue)
- #373446 Labels in the CDM might be not updated when address are used more than one time
- #382083 Device XCP:1 does not define a TPBlob. Cannot load the Asap1b driver
It is only an issue by parsing the A2L file, when the included AML files doesn't exist.
Workaround: Provide all AML include files.
Note: Only relevant for corresponding projects using XCP AML V1.2

5.4.5 Bug Fixes and Improvements

- Note:
 - Some fixes are solved with the corresponding INCA – Add-Ons (also part of the INCA Service Pack (SP))
 - EHI calls are listed in increasing order

EHI #	Title
273671	FlexRay / FIBEX: Cannot add TAB-NOINTP variable to EE
279317	Checksum Calculation: Checksum is not updated in Memory Page Manager
309245	CAN-Frame with 2 multiplexed data bytes wrongly evaluated
329798	CDM Performance: Adding Labels and using filters in CDM takes too long
331025	INCA 7.0: Chinese trigger name does not work in EE
339207	It is not possible to reset calibration value to RP values for a one page ECU device

339210	ETK: Raster-Check Improvement for DISTAB17
343862	NAN error encountered while recording - enhanced format handling
349083	Flashing with ES581 fails - ST_MIN not respected
349673	The optimize size function is incorrect for a measure table
351040	CAN/UDS: Offline Calibration do not work
351945	EE VIRTUAL MEASUREMENT: Possible that not all Calc Signals are added to EE
353270	CSE: Context Menu Add Variables does not work in CSE
355295	Changed variable's order is not saved in the VUI
355578	[WBID1115584479] UndefinedObject does not understand do:" when click on special experiment in database browser
356365	[WBID2935145940] on dataset change over asap3
356976	Measurement file name can not be saved as Korean file name
358631	CAN-Ports error when replacing HW
359821	ASAP3 shows "invalid measurement" during automatical tests
364417	[WBID20823695] String does not understand dataConfigGeneral) when try to open VSD in EE when used special EE and CDM parallel
364841	CCP "Quick start mode" - "Save Configuration (Suspended mode)" does not work
365651	Suspended_mode_problems with ES595 INCA7/20 and INCA7.1
367815	[WBID1823457786] UndefinedObject does not understand cr) after setting labels used in CSE to inactive
368970	CDM compare performance increased in case BackgroundComparison (BG) is OFF (compared to INCA V7.1.1)
370419	[WBID2077422202] Windows has run out of resources." or "[WBID2796752995] Windows has run out of resources." when adding ramcals
370527	[WBID1201862911] on opening other workspace
370528	[WBID4002450473] Inca crashed on opening RecOptions
372004	System error occurs if the double byte space is used in the formula of trigger definition
372017	If reading A2L and Hex into the data base, the monitor window reports ~43800 variables as not defined
372280	ASAP3 - communication interrupts during session
372779	Cfw.LogViewerGUI.exe does not save settings for logging if user is not admin
372813	Windows 8 64bit Microsoft Surface 128 GB (and other Win8 64bit Sytems, depending on HW): INCA HWK might not start; Known issue solved.
372984	Error message "The DAQ CAN ID configuration used by INCA is different to the one expected by the ECU"
373308	Known issue solved: ES581_MultiClient: Sporadically a critical exception at NeoVIServer.exe occurs
373326	CDM Tooltip Issue: The Focus during clicking the Middle Position of Source in a shortened window gets lost due to the tooltip bar
373489	Issue editing calibration map on 2D graph window
374178	[WBID1170272401] Inca does not close correctly after Walkback
375473	[WBID3341292911] Primitive failed in: OSPtr>>#uint32At:put: due to Value

	out of range... during recording is possible
376640	[WBID2875227278] while opening experiment or variable selection
377635	GUI issues in experiment view while using large measure tables with scrollbars
377855	CAN UDS Queue is empty error
378226	ODX configuration is not working properly after EAM port configuration
378411	ETK: Advanced Code Check dialog is coming up at every INIT after DataFreeze with ETK-S20 and ETK-21
378521	[WBID3573063717] System error on attempt to read DCMs into EE
378614	EE: Select X-Axis on Legend Pane, then Context Menu Zoom To Fit not working
378966	[WBID454208463] OSVariantarg does not understand indexOfLastString: INCA Crash during open EE with ODX Project Note: Already solved with ODX-LINK V1.5.3
379250	Wrong calibration page after initialization active
379685	DBB: It is possible to have equal names of top folders in database browser
379810	[WBID3293142200] UndefinedObject does not understand children
379850	ETK_XETK AML based A2L file assignment to (X)ETKs in INCA V7.0 / INCA 7.1 failed
380007	Units for maps, curves and arrays get not read from the DCM file
380111	[WBID1679869501] UndefinedObject does not understand asHexString when open special EE
380167	Adding INCA-MCE XETK Slewing Calibrations via MCD3 V1.0.1 fails Note: Requires INCA Add-On MCE V2.0.2 (part of SP)
380242	Target Server Crash after restarting FlexRay measurement
380245	WBID2992199332 INCA 7.0/7.1 crashes because of invalid A2L definitions (RECORD_LAYOUT)
380427	[WBID2157804504] UndefinedObject does not understand resetSigDigCache
380441	Widget stays minimized if selected via window menu
380454	[WBID1590655520] Primitive failed in: Object>>#at: due to Index out of range in argument 1 during import of data set
380456	[WBID1631597606] UndefinedObject does not understand asap2
380526	Mouse cursor display mismatch in the combined editor
380562	[NetWBID3148783001] INCA walkback while using specified filters in variable selection with CAN-Monitorung used
380726	Invalid Measurement reported in ASAP3.log after pressed button Start Visualization <F11>
381215	ETK: No ACC message if the software does not match
381543	[WBID2119616776] Exception is not resumable - if copy data set in CDM
381727	ECU-Docu (PDF) functionality doesn't work after instalatin of AdobeReaderV11
382113	INCA Crashes after calibrating label
382162	ETK: Measurement using an ETK does not work reliable if a Trigger Mode 1 - project is used in combination with an ES592, ES593, ES595 or ES910
382254	[WBID3505000316] UndefinedObject does not understand do / system error,

	experiment window add the AdaptiveCalibration variable.
382409	[WBID1461412441] MCSFileASAP2DataElementManager does not understand toUnsignedInt32:
382463	[WBID3190943390]+[NetWBID3360738760] System.InvalidOperationException: Element
382704	NetWBID846534255+ NetWBID931204264 + WBID3202787132 + NetWBID3960210428 System error with Strg+X in Variable Selection Dialogue
383110	INCA: Wrong interpretation of CCP Command Process Busy FW response
383249	UDS on FLX INCA crashes on wrong ECU behavior
383255	CAN Monitoring with arxml does not work
383263	Monitoring values with mixed conversions do not show values if the hex value has no corresponding string
383270	CSE: VSD does not open when trying to open it through context menu in a calibration scenario editor
383328	ETK: Calibration with "Limitiert EMU-RAM" not possible in Experiment Preparation mode (Known issue (INCA 7.1.3 and former versions - solved)
383531	Font color is wrong for highlighted data sets
383626	ETK: Flashing for AS_ETK-S22 fails at executing debug macro DBG_INIT
383745	CAN monitoring issue with CSM GmbH units
383850	INCA Freezes with VUI window
384088	[WBID4013474168] System error reading a hex file
384488	Download to WP stops completely
384500	[WBID1679869501] Walkback when open EE with virtual device in configuration
384503	API Command StopMeasurement Recorderoption Problem with „Show output file dialog“
384506	QM-BASIC - Process Meta Data: missing NLS support, function not transparent
384514	ES581 CCP1 & CCP2 no measure after initialization
384577	Default raster does not work with the ETK_XETK_AML based projects
384579	[WBID3079066083] System error occurs when opening EE with the specific project.
385184	[WBID3454255402] nil is not a valid key for LookupTable - Crash after Copy action in CDM
385227	CDM: Symbol for active dataset is not refreshed
385696	[NetWBID1579477899] System.ApplicationException: ExceptionInDotNETCOMServer_KeyWord and 2 more NetWB
385791	[WBID1822928354] Walkback when perform copy in CDM with specific datasets
385903	Active tick in CDM not updated after exchange of target and source
385939	[WBID2391109032] UndefinedObject does not understand isImpl
386516	Accelerator key mismatch in the new INCA V7.1 oscilloscope
386719	Doubled names in A2L are not listed in parser log file
386994	Flash Programming via ETK in combination with HSP 10.3.0 fails (affected ETKs are ETKS3, ETKS9, ETKS2, ETKS6, ETKS1.1 and all parallel ETKs except

	ETKP3, ETKP4, ETKP7) Note: HSP 10.4.0 required
386998	[WBID753156046] Exception is not resumable
387060	CDM is using wrong addresses in case DS is added newly to DB
387242	Conversion from arxml-files is not correctly interpreted
387249	Setup_ServicePack: Provide force re-install of all installed products/add-ons within the GUI - same like option /R currently supported with silent installation mode
387255	Min Max values cannot be set correctly in Osci for Autosar CAN-Monitoring
387330	Drag and drop of labels from measure window into osci might not work (empty osci)
387516	[WBID863990461] Listing PaCo causes change in maturity information
387527	In database browser colour for project text not inverted
387564	Measurement using an ETK does not work reliable if a Trigger Mode 1 - project is used in combination with an ES592, ES593, ES595 or ES910
387584	[WBID4194577517] EtasDatabaseDialog does not understand makeVisibleItem:
387587	[WBID4193349748] UndefinedObject does not understand zOrderedChildren
387590	[WBID3971116608] UndefinedObject does not understand prepareForDrawable:
387596	[WBID3314278595] Primitive failed in: OSObject class>>#reference:reftype:offset: due to Invalid class in argument 1
387597	[WBID2641936945] UndefinedObject does not understand -
387725	INCA hangs sporadically when moving between layers or moving window
387838	[WBID3314278595] Primitive failed in: OSObject class>>#reference:reftype:offset: due to Invalid class in argument 1
387840	[WBID3079066083] Walkback is occurred when A2L contains double byte character & escape sequence.
388026	Setup_ServicePack: Install Products/Add-Ons currently not installed on computer (especially ETKTools)
388078	[WBID560348227] in CDM
388091	[WBID1679869501] UndefinedObject does not understand asHexString
388363	The sequence of calibration value from CDM file to INCA and sequence of sending data to ECU is now in the order of ASCII code (was undefined)
388475	[WBID817817656] RBDummyProgressReporter does not understand cancelledWithDispatch
388482	[WBID3912068762] MCSFileASAP2DataElementManager does not understand isEmuRAMDevice when cut&paste labels in the variables configuration view
388496	[WBID2224374090] System error on attempt to execute compare preview
388501	[WBID271765372] UndefinedObject does not understand setForeground:
388504	[WBID2182007024] UndefinedObject does not understand activateAndSetInputFocus
388507	[WBID4167700205] IDispatch call returned an exception
388510	[WBID2252132005] UndefinedObject does not understand new
388511	[WBID2661172376] EtasAbtShellView does not understand

	closeForUserChange
388743	ETK: LERTV3 with ETK_XETK_AML less than 2.0.0 can now be used in INCA
388752	Filling of Hex-Files during writing of Hex-Files does not work
388819	INCA V7.1: XCP-communication is not possible if LabCar-EE V3.4.1 using same target-server
389055	INCA closes during the measurement without any error message
389356	[WBID637488045] EtasTableMeasureWidgetModel does not understand getContainerClassForData:
389372	WBID2665620101 [WBID2665620101] UndefinedObject does not understand create:name:
389375	[WBID2987493724] UndefinedObject does not understand indexOf:
389430	[WBID2695444887] Float does not understand at:ifAbsent:ifPresent: by inserting Excel values in a map (via CDM)
389611	ASAP3 Online values mixed up after DEFINE RECORDER PARAMETERS
389680	[WBID1664074646] UndefinedObject does not understand parent
389851	FORMULA in a2L does not work correctly with A2L encode setting.
389854	[WBID2671664544] UndefinedObject does not understand widgetData
389891	Some user options are reset to their defaults on INCA start
390094	Possible to edit label without defined hard bounds where lowLim=HighLim=0
390125	WBID3826003265 in CDM after changing map value read from DCM file
390467	[WBID1332764116] UndefinedObject does not understand experiment
390539	Editing and Copying a specific MAP in CDM is not possible, map values are protected
391222	INCA stops working during the measurement
391296	[WBID1444935060] System error occurs when reading the specific CDF file to dataset
391762	Calibration Value: Increment /Decrement with F6 / F7 is very slow
391830	Warning if for keyword ADDRESS_GRANULARITY other than BYTE is used in the a2l file (Note: only BYTE is supported).
391928	Project cannot be used with ETK (MDG1 with XETK AML)
392030	Continuously pressing F6/F7 causes all other measure values to freeze
392081	Project can not be used with XCP
392485	Flashing in circuit-ECU is not possible
392536	[WBID4047078504] Walkback when select ES610 in existing hardware configuration
392556	[WBID994255668] Primitive failed in: ByteArray>>#uint16At:put: due to Value out of range in argument 2
392727	[WBID3368503234] Reading the attached project into INCA leads to system error
392749	Recording is impossible after deleting a Calibration
392768	Oscilloscope does not show values for 1-2 minutes
392771	INCA Freeze (due to new Osci)
393366	INCA: TgtSvr crash if too much XCP signals are logged
393424	WBID3291328542 + WBID2736383010 during ASAP3 test

394162	Crash reinitializing XCP session
395663	Recording: No line feed in measure comment possible
395979	"Increment" or "Decrement" with the mouse is not possible
396273	Project cannot be used with ETK (MDG1 with XETK AML)

5.5 INCA V7.1.3 HF1

5.5.1 Recommended Installation

It is recommended to install the update the complete INCA V7.1 including the INCA V7.1 HF only with help of the Service Pack (installer) of the INCA V7.1 SP

5.5.2 Known Issues – Important Hints

See INCA V7.1.3.

5.5.3 Bug Fixes

EHF #	Title
377855	CAN UDS Queue is empty error
385227	CDM: Symbol for active dataset is not refreshed
387192	Exported datasets cannot be reimported without loss of QM data
387421	Associated Quality Meta Data is not imported into INCA with the Dataset

5.6 INCA V7.1.3

5.6.1 Recommended Installation

It is recommended to install the update the complete INCA V7.1 only with help of the Service Pack (installer) of the INCA V7.1 SP

5.6.2 News

5.6.3 New Features

See What's News slides INCA V7.1 SP03 (INCA-V7.1-SP03-Whats-new.pdf)

5.6.4 Solved Known Issues – Important Hints

Solved known issues of INCA V7.1.2 and former versions

- EHF #375203 If CDM is opened from EE, operation in function mode, then the difference is not detected
Solved with INCA 7.1.3
- # 364841 CCP "Quick start mode" - "Save Configuration (Suspended mode)" does not work
Solved with INCA 7.1.3
- #370206 Flash over UDS might fail.
Solved with INCA 7.1.3
- #378741 Silent installation with the Service Pack installer will not update the ETK Tools part of ETK D&T

Known issue with the Service Pack Installation from INCA V7.1 SP1 and SP2

Details and workaround see Service Pack Release Notes

Note: Solved with INCA 7.1SP3. The ETK *Drivers* will be updated with ETK D&T V3.12.0 installation automatically (but the drivers are not part of INCA V7.1.3)

5.6.5 Open Known Issues – Important Hints

Known issues of INCA V7.1.3 and former versions

- #373433 HIL Test Bench: LABCAR CCI data logger: It might happen that data logger cannot be activated anymore and therefore new data logging is not possible
Note: Solution planned with updated LABCAR or INCA version (depending on issue)
- #373446 Labels in the CDM might be not updated when address are used more than one time
- Calibration with "Limitiert EMU-RAM" not possible in Experiment Preparation mode
Issue is caused by the Experiment Preparation "Toolbox": After flashing has been finished, the dynamic emulation layout is gone (green LED is switched on), but the EP "Toolbox" does not set the overlay layout, again.
Issue does not occur if DERT is active. In this case, INCA configures the overlay layout in the right way.
Condition (issue occurs):
 - INCA option Limited EMU RAM: Experiment Preparation
 - use serial ETK
 - HW init inside EE
 - switch to WP
 - calibrate
 - flash from WP->ECU flash
 - after closing ProF, INCA reinit and try to calibrate: value cannot be changed even though we have equal checksums and HW init was successful

There are 2 possible **workarounds**:

1. Open MPM and execute a Download from Dataset to WP
 2. Trigger a hardware initialization (F3)
- #382083 Device XCP:1 does not define a TPBlob. Cannot load the Asap1b driver
It is only an issue by parsing the A2L file, when the included AML files doesn't exist.
Workaround: Provide all AML include files.
Note: Only relevant for corresponding projects using XCP AML V1.2
 - Raster switch with EVENT_CAN_ID_LIST does not work correctly if measurement is running
Sporadically INCA does not configure correctly the measurement but does only start and stop some DAQ-Lists

Windows 8 support

EHF # 372813 Windows 8 64bit Microsoft Surface 128 GB: INCA HWK does not start

On Windows 8 64 bit systems, it might happen that the timer of the system is not supported correctly and HWC will not open. This depends on the hardware.

In such case the timer driver does not support a special interrupt controller mode of the given controller.

Note: Will be solved with one of the next INCA 7.1 Service Packs.

5.6.6 Bug Fixes and Improvements

- Note:
 - Some fixes are solved with the corresponding INCA – Add-Ons (also part of SP2)
 - Listed in increasing order

EHF #	Title
257926	Translated strings have not been integrated at all in "GPS_DeviceParameters" tab for GPS devices in HWC Editor
277323	CAN low speed baudrates : If "Transmission speed" --> "low speed" is configured baudrates > 125k should not be configurable
278637	INCA not reachable via Windows taskswitch when "Bounds Visualization" window is opened
329798	CDM Performance: Adding Labels and using filters in CDM takes too long
334353	EE: Measure Table with 3 labels shows 4 labels (twice the last one) when scrolling down
339154	EE VUI: Adding new variables to some VUI widgets stops visualisation
340607	XCP Raster check for Busload does not work in offline mode
340617	XCP V1.2 Raster check for busload limit works only, if another limit is defined as well
344713	Inactive Window couldnot be deleted but it wander to other activated folders
347232	Calibration table column size autofit does not work properly
348720	Shutting down of INCA takes a lot of time
348925	EE: Element used in a VUI changes there size after selecting different label
350001	INCA-DB Additional (complete) path entry after experiment import
350243	INCA memory increases as run MCD3 tests causing PC to freeze and INCA to crash
351107	After INCA is closed the IPMSERVER remains opened as task
352473	Different Messages while INIT a second time without changes. Note: Requires ETK Drivers & Tools V3.12 (part of the SP-installation)
352541	Memory pages window is not controlled with windows resizing for horizontal direction
354090	Window setting are changed in experiment - Label name no longer visible
355059	ISOTP TX fails with STmin > 15ms on QNX device
355309	Some basic API commands are missing in INCA V7.0/V7.1

356365	[WBID2935145940] on dataset change over asap3
358633	INCA 7.1: [WBID2439085396] Walkback when open CDM configuration with multiple datasets
361828	New Osci (V7.1): Analog signal is always filled after move into the digital domain
362291	[WBID1366287155] on opening EE
363957	If CDM is started from EE, then a message appears "A copy is not possible when the Experiment is using Limited EMU RAM"
364984	[WBID2313778916] - When initializing the hardware
365487	[WBID2982027503] when opening the Experiment
365606	RTOSCI: "[NetWBID2423115] Etas.Base.Shared.EtasException: Exception in Plugin Etas.EE.Oscilloscope" or "[NetWBID1081518937] System.NullReferenceException: Object reference not set to an instance of an object." when open special experiment with new osci
366120	[WBID4026170935] when adding some calibrations in one transaction via CDM to EE
366720	Table editor scrolling mismatch
366834	Due to incomplete DLL registration a reboot is required between INCA V7.1 and INCA 7.1 SP1 installation
367304	Communication error (CCP) during automated write/read test with powerfail (successor of #361536)
367441	[WBID693730511] if attempt to initialize EE after standby
367626	[WBID2104325493] receiver must be a boolean
367633	[WBID3380465711] UndefinedObject does not understand x
367652	[WBID3093849059] UndefinedObject does not understand asSInt16Array
367912	ES59x and ES9xx: Delay between the transmissions of two ConsecutiveFrame on UDS flashing - Note: requires FW update HSP V10.3 or higher
368161	Updating of the unequal variable values will not be set in real time in CDM
368501	[WBID1372541587] Experiment enviroment can not be open due to inactive variables
369260	[WBID2639573367] after start of EE
369267	XCP V1.2 Raster check does not work correctly
369497	[WBID2892933132] when calibration of axis in offline modus causes
369532	INCA V700: [WBID2678061846] INCA V710: [WBID3908644710] when open EE
369625	XCP V1.2 Raster Check for MEMORY_CONSUMPTION and ODT_ENTRIES calculates wrong
369935	XCP V1.2 Check for MEMORY_CONSUMPTION does not work correctly
370015	XCP V1.2: CPU Limits are available in the VSD for XCP V1.2 even if there are not all mandatory parameter defined in the A2L file
370023	Problem with VTAB-Range conversion
370206	Flash over UDS failed
370296	[WBID2036305924] RBFolder does not understand dataManagerClass
370299	[WBID2978522827] EE when open special workspace
370403	Recorder Configuration: Trigger on variable of an array not possible - no array selectable, no array displayed

370439	Unexpected values are shown for Compu Method M_asin and M_acos
370447	TgtSvr crash during flashing - etkc_1b.dll: Critical Exception 0xC0000005
370529	CAN UDS No detection of ECU OFF during measurement
370611	LIN Import of certain LDF file fails (signal scale factor -1)
370772	Added scenarios get not loaded in the EE
370783	MCE Manual Configuration Issues
370859	Not printable letters are written in different LAB Files after a compare or copy
371004	CDM performance increased in case loading configuration into CDM
371005	[WBID1584341332] UndefinedObject does not understand x while calibration of a Map in 2D-Graphic
371012	CDM Copy performance improved when the BackgroundComparison (BG) is ON (compared to INCA V7.1.1)
371202	Interpolate Z-values in X-direction is not working as expected - not all Z-values respected
371203	[WBID2036305924] RBFolder does not understand dataManagerClass
371590	Changes made to a project in the A2L Editor get not loaded in the EE if the project already assigned to a workspace
371619	INCA V7.1.1 Checksum calculation of working page fails
371822	GMLAN No measure values in the experiment displayed
371921	KWP2000: Checksum not unknown, upload of WP missing
371938	Critical exception of etasGeneral100.dll when adding calc signal to EE
372041	LogViewer: registry settings will not be applied if LogViewer GUI was not started with "Run as administrator" - see also #372779
372122	WB [WBID868823276] UndefinedObject does not understand detect:ifNone:
372301	After install INCA V7.1.1 the API connection to server with INCA 7.0.0/V7.1 is not possible
372303	EE: "[WBID3341496994] UndefinedObject does not understand isDeviceGroupCompatibleTo:" can occur when grouping in EE->hwc
372655	[WBID81108787] WB solved
372669	[WBID3175958561] Walkback when initialize and start recording with experiment
372684	WB [WBID1211125905] WinError does not understand setLastWriteTime:
372722	Performance improvement for customer specific RAMScope: Performance during creation of generic measure device in case of more than 100 measurements
372751	[WBID3499201962] UndefinedObject does not understand sign when flashing
372766	WB [WBID2122044588] UndefinedObject does not understand cr
372770	WB [WBID2971474149] UndefinedObject does not understand isMasterData
372778	[WBID695056342] UndefinedObject does not understand setInputFocus
372779	Cfw.LogViewerGUI.exe does not save settings for logging if user is not admin
372830	[WBID2036305924] RBFolder does not understand dataManagerClass - CDM
372841	EE windows gets resized when calibration variables for LERT Experiment Preparation are reconfigured
372852	EE: Label selected via "Search For Variable" are not deselected after selecting new Label in the same Osci
372906	NetWBID1072430456 occurs when configure the "Variable name display

	setup" in EE.
372968	[WBID3252205347] UndefinedObject does not understand filterController / Crash after close CDM
372974	INCA is terminated abnormally when the customer change the ProF action menu of 2byte character.
373063	Value of the bit display blink on and off suddenly. Is such case the displayed value is different between the bit display and the numeric display.
373108	ES720 V7.0.0: idRef for "ObdOnCAN" is undefined in exported .wsmd file
373203	WB [WBID3388896898] UndefinedObject does not understand startsWith:
373233	[WBID2649952204] solved
373300	Add a variable to Oscilloscope in VUI is not working properly in Korean OS
373373	[WBID535153218] read from invalid memory location. Note: User without rights to write in the "Application Data" directory for current user, cannot use INCA.
373548	CDM-"Ctrl-W" shows a wrong order of variable names.
373726	EW_I7.0.0/21: INCA Walkback after hardware initialization
373743	ASAP2 Editor - Wrong icon for axes
373766	WBID281497833 Systemerror calibrating a grouped array via ASAP3
373857	Change Smalltalk Inactive Purge Context Menue Label
374017	WAIT_FOR_KEY in ProF doesn't work
374046	Pre-triggered measurements and "Multiraster": Signals might get lost.
374064	WBID1557531359 during 2nd read for same DCM file via test automation
374138	UDS Flashing - WriteMemoryByAddress always sends PDU with 4095 bytes
374151	ETK-S1.1D3: Cannot initialize ETK-S1.1D3 hardware with INCA 7.1.1 od INCA 7.1.2
374293	[WBID2036305924] CDM add folder as destination
374714	Adding new layer, the focus is missing for the new created layer
374766	XCP V1.2 EVENT_CAN_ID_LIST from XCP 1.2 does not work
374773	Error 64 encountered when launch INCA after installation
374825	[WBID1877063121] MessageNotUnderstood: UndefinedObject>>new
374944	Adding INCA-MCE XETK Calibrations via MCD3 V1.0.1 "Always Use Fuli" fails
375008	EE: [NetWBID642990540] System.InvalidOperationException: TargetServerChannel not connected) after try to open VSD when before different INCA versions are used
375026	EE: New Osci might use wrong Default Value for Property Line Style
375038	[WBID3234260705] & [WBID1766103906] & [WBID2498553291] Walkbacks at GM Test bed during shut down of CAMEO.
375166	OS Version not correctly logged in ASAP3/MCD3
375203	CDM opened from EE, operation in function mode, then the difference is not detected
375215	Asap3.exe crashes when activating recorder
375318	[WBID992885578] System error on attempt to expand a function in CDM
375477	[WBID847977887] While change grouped items over ASAP3
375601	[WBID625331335] Flashing is not possible
375744	[WBID1899679281] Editor not found

375779	[WBID1916615553] UndefinedObject does not understand identifier
375782	[WBID2234988461] UndefinedObject does not understand pfilnam:
375787	[WBID2595496058] UndefinedObject does not understand databaseFileType:
375791	[WBID963979591] UndefinedObject does not understand do:
376235	ProF: Flashing with 3rd party tool not possible
376413	Flashing via ES1232_CAN_Port_ES1222 is not possible
376539	WBID3962789407 Reading A2L + HEX into INCA
376549	WBID2112125908_System error after importing WWH_OBDonCAN.exp in Inca V712 Note: Required INCA Add-On ODX (part of SP)
376552	Switching layers causes windows to be moved in layers
376628	CDM: Number of slected variables is not "0" if a "source"-project is removed
376841	FlexRay Monitoring issue with MUX-PDUs Note: Requires INCA Add-On FlexRay (part of SP)
376847	[WBID1123985822] Walkback when select ES610 in Hardware Configuration
376859	[WBID1775382810] Systemerror on attempt to copy variable in CDM
377098	[WBID3884384147] EtasContainerMeasureWidget does not understand addSelectedWidget
377100	[WBID4003596577] UndefinedObject does not understand checkAllLabelsInDataset:
377162	WBID3550110205 Systemerror configuring an ES650
377297	Baudrate cannot be switched by ProF if XCP project is assigned to same CAN
377316	Analog signals drawn over strip borders
377332	UDS flashing is not possible with Panasonic and Keihin ECU
377475	INCA saves wrongly measure values in the measure files if "output" signals are in use
377508	Experiment window gets resized when recording is started (after closing MPM)
377571	Kvaser devices has no support for ES720
377573	[WBID3855418535] Primitive failed in: Object>>#at:put: due to Index out of range in argument 1
377763	XCP FlxBuffer : Do not use FLX_Assign messages for FIXED buffers
377838	API Command StopMeasurement does not save measurement file in INCA V7.1.2
377874	Editing a register will not change individual bits of that register
377978	ASAP3: Get Extended Parameter delivers wrong type
378033	Flashportselection does not work
378053	[WBID1769954627] DBLinDeLinError does not understand comment: when try to read A2L and Hex File
378054	ES610 measurement values are wrong when the workspace contains a ES595 with FlexRay Monitoring
378196	[WBID2800727061] System error comparing datasets
378435	Replace system is slow if Ipetronik Addon is installed
378741	ETK Tools are not updated during INCA V7.1 SP02.1 installation
378882	OHI - FlexRayStartup Controller settings get lost
379053	Impossible to switch back from recording to measuring when recording duration exceeds the duration specified in the recording managment window

379054	[WBID1779721979] False does not understand notEmpty
379251	CDM Compare_Function_mode doesn't show "new functions"
379961	[WBID3358669662] MessageNotUnderstood: EtasWriteChunkStream>>nonEmptyContents
379968	[WBID2397091331] Primitive failed in: Object>>#at: due to Invalid class in argument 1
380167	Adding INCA-MCE XETK Slewing Calibrations via MCD3 V1.0.1 fails Note: Requires INCA Add-On MCE V2.0.2 (part of SP)
380427	[WBID2157804504] UndefinedObject does not understand resetSigDigCache
380448	[WBID1155558893] using COM.API
380594	After ETK-Re-Init INCA shows a wrong settings in dialog and user "must" start flashing of ECU
380601	Connection of ASAP3 to INCA from within the Experiment does not work if .NET V4.5.0 is installed (no issue with .NET V4.5.1) Note: Workaround implemented with INCA V7.0.0 HF24 and INCA V7.1.3
380673	Add of measure signals is not possible on HIL-system.
381044	XCP AML V1.2: MPM cannot be opened if XCP ECU is not initialized
381543	[WBID2119616776] Exception is not resumable - if copy data set in CDM
382262	Convert of EE to new oscilloscope removes all multi-rates
382539	[WBID3202787132] Inca crash by double click on CDM Quality Label
382876	Pre-trigger-time cannot be saved in the measure file with XCPonEthernet
382976	Calibration Wakeup HWC option not initialized with information from the A2L file
383113	CDM: [WBID1012134614] during double click on "function"
383223	Datasets exported from INCA V7.1.2 cannot be read in with older INCA versions
383243	[WBID59756152] INCA walkback during opening EE in INCA V7.1.2/1
383371	CSM: [WBID1823878228] Walkback at SFH for 3rd hardware with CSM
383517	Does not show Adaptive Parameters in VSD and EE - as performance is poor
383589	WBID1332945512 CDM-Editor cannot be closed
383659	[WBID1575485604] (ExError) An error has occurred in CDM
383765	Raster switch with EVENT_CAN_ID_LIST does not work correctly if measurement is running
384071	SYSTEM ERROR is occurred when Read from CDF V2.0 file including PMD in CDM

5.7 INCA V7.1.2 HF 1

5.7.1 Recommended Installation

It is recommended to install the update the complete INCA V7.1 including INCA V7.1 HF only with help of the Service Pack (installer) of the INCA V7.1 SP

5.7.2 Known Issues – Important Hints

See also INCA V7.1.2.

New known issues with INCA V7.1.2 (but not introduced with INCA 7.1.2 HF01):

Windows 8 support

EHI # 372813 Windows 8 64bit Microsoft Surface 128 GB: INCA HWK does not start

On Windows 8 64 bit systems, it might happen that the timer of the system is not supported correctly and HWC will not open. This depends on the hardware.

In such case the timer driver does not support a special interrupt controller mode of the given controller.

Note: Will be solved with one of the next INCA 7.1 Service Packs.

CDM used in parallel to EE

EHI #375203 If CDM is opened from EE, operation in function mode, then the difference is not detected

It is not issue if the CDM config object is opened without EE.

Note: Issue will be solved with the upcoming INCA V7.1.3.

5.7.3 Bug Fixes

EHI #	Title
375477	[WBID847977887] While change grouped items over ASAP3
376323	Flashing ECU fails for Prof configuration with AALFI_FOR_REQUEST_DOWNLOAD = 4x (x=1,2,3,4)
376861	XCPonCAN and XCPonEthernet - measurement is not possible if FIRST_PID 0x00 and MAX_ODT 0xFC

5.8 INCA V7.1.2

5.8.1 Recommended Installation

It is recommended to install the update the complete INCA V7.1 only with help of the Service Pack (installer) of the INCA V7.1 SP

5.8.2 News

5.8.3 New Features

See What's News slides INCA V7.1 SP02 (INCA-V7.1-SP02-Whats-new.pdf)

Summary/Key points:

- ASAP3 "EXTENDED GET PARAMETER/SET PARAMETER"
- CDM - Compare option for compare FORMAT (ASAP2-MC) with higher precision
- Windows 8 (32 / 64 bit*) supported
*) INCA uses the 32bit compatibility mode on a 64-bit operating system.
- ProF: Support sending of CAN messages on any CAN-ID during flashing
- Multiple client support of ES581.3 (requires also update of drivers).
 - Related ES581.3 calls solved
 - Known issue with ES581.3 solved.
 - EHI #347726 ES581.3: No measurement via IPETRONIK or CSM possible if both ES581.3 CAN ports are used.
- Search feature of EE enhanced: CTRL-F --> Find variable which is not in use in current EE. As a result, VSD is opened with this string as search filter

5.8.4 Open Known Issues – Important Hints

Important hints for operation with ES581.3:

To **support multiple clients with ES581.3** a major/structural change of INCA, driver and firmware was required.

- When **upgrading any of the INCA Versions V7.0 or V7.1** with INCA V7.0 SP15 or V7.1 SP2 also the corresponding other version needs to be upgraded to the new version.
- If **J2534** is used (e.g. for 3rd party access on ES581.3), an update of the ES581-J2534 driver to V2.0.7 or higher (part of HSP V10.2.0) is required.
- Ensure the **USB driver** is updated to the latest version (part of HSP V10.2.0)
- Note: The ES581.3 firmware is automatically updated from the driver (if required).
- Known issues:
 - #349083 Flashing with ES581.3 (and 3rd Party HW) fails - ST_MIN not respected
Flashing via UDS/KWP with ES581.3 HW might fail, if a CAN frame separation time (STmin) > 0ms is used. In this case it might happen that the used separation time is sporadically lower than STmin.
This is an issue with every 3rd Party HW (Vector, Kvasar, ES520). It is not issue with ES59x, ES910, ES511.

Workaround: Change setting in the file
„ETAS\ETASShared11\System\ES581_CAN.xml“ :

```
<IniFileItems>
  <entry>
    <key>ISO15765_TX_NOTIFICATION</key>
    <value>ACCURATE</value>
  </entry>
  <entry>
    <key>SELF_RECEPTION_MODE</key>
    <value>1</value>
  </entry>
</IniFileItems>
```

- #373308 ES581 Sporadically a critical exception at NeoVIServer.exe occurs

ES581.3 is incompatible with some deprecated Intrepid Control Systems, Inc. Vehicle Spy settings.
Please remove the 'Intrepid – neoVI' J2534 setting in the registry or change the FunctionLibrary registry key to use the latest icsJ2534VCAN3.dll driver.

- [HKEY_LOCAL_MACHINE\SOFTWARE\PassThruSupport.04.04\Intrepid - neoVI] // Windows 32bit
- [HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\PassThruSupport.04.04\Intrepid - neoVI] // Windows 64bit
- FunctionLibrary=C:\Windows\system32\icsneo40.dll // deprecated
- FunctionLibrary=C:\Windows\system32\icsJ2534VCAN3.dll // update

Windows 8 support

- #370449 Windows 8: Context Menu Variable Documentation does not work correctly when a PDF file is used.
Note: Installation of Adobe Reader V10.1.8 or higher required.
Please download the latest released Adobe Reader.
- #372813 Windows 8 / Microsoft Surface 128 GB: INCA HWK does not start

Windows 8 – HW/Drivers released for Windows 8

- ES581.3 with INCA V7.0 SP15 and INCA V7.1 SP2
- Kvaser (drivers V5.1 is supporting Windows 8)
- Vector – HW (with latest drivers available on Vector DL-center)
 - VN1610
 - VN1611
 - VN1630
 - VN1640

Windows 8 - HW/Drivers – currently not released (or not tested) for Windows 8

Note: Drivers might work, but currently not tested.

- ES520
- ES580
- Vector – HW (please check the Vector home page for latest news):
 - CANcardXL
 - CANcardXLLe

- CANcaseXL
- VN7600
- VN8910

Known issues of INCA V7.1.2 and former versions

- #373433 HIL Test Bench: LABCAR CCI data logger: It might happen that data logger cannot be activated anymore and therefore new data logging is not possible
- # 364841 CCP "Quick start mode" - "Save Configuration (Suspended mode)" does not work
- #370206 Flash over UDS might fail.
Analysis in progress. It might be an issue with the ProF command
UDSX_ROUTINE_CONTROL_MODE
- #373446 Labels in the CDM might be not updated when address are used more than one time

5.8.5 Bug Fixes and Improvements

- Note:
 - Some fixes are solved with the corresponding INCA – Add-Ons (also part of SP2)
 - Listed in increasing order

EHI #	Title
59428	Upload with CCP: Text on upload progress bar is not translated
86742	CDM CUBOID error, CDM Compare does not generate PDF
100988	ETK T1.1: No download of modified parameters after offline calibration (calibration during disabled online access)
323355	ES581.3 Change of protocol merge CAN1 and CAN2
328822	Walkback encountered if drag a slewable variable from a measure window to a YT scope
332992	IP-Manager: IPManager should inform user if hardware device is out of predefined IP range
337774	MPM comes up only every second time when user calibrates offline and switches ECU calibration access back on again
338655	CSE: Column width for Variable name does not fit to actual length of name
341897	CDM: Some booleans show (true/false) although the option was set to show integers (1/0)
343664	ES581.3: Deterioration of CCP Flashing performance compared to Reference Version INCA V700 HF8
344686	After copy & paste from layers in the VSD, widgets are used in unexpected layers
346669	Calibration changes made in the state "ECU in reset" get discarded
347178	Faulty slew icon displayed on the dataset after reading the hex file. Note: Already solved with INCA V7.1SP1 and INCA V7.0.0 SP 13.
347715	Japanese export file name is not transferred from workspace name
347842	[WBID1366287155] when open EE

348732	CDM: Dependent labels are unexpected computed when using A2L and Data Transfer File
349085	Maximized window resizes to default size each time after closing of VSD
349780	[NetWBID2805166059] system error when opening multiple VSD
350233	[WBID1985422111] during calibration recording
350917	Replace hardware - information missing in "confirm" pop-up window
351590	Raster information is not shown in INCA with connected Hardware - Note: Solved with ETK D&TV3.11.0 (part of the SP)
351676	ODX project not included in regular INCA export file if previously imported from an "Folder export" - Note: Requires INCA Add-On ODX V1.5.2 (Part of SP2)
352006	"Add layer" and "set the layer comment" does not work at the same time in the VSD
352254	ES581.3 blockmode: initialization of sequence too slow
352402	Unit(msec) of "expected time" is too sensitive in the CDM -> Changed to Seconds. Values smaller than 0.5 Sec. not displayed.
352404	Vertical scroll bar of "Scalar Table Editor" will not be displayed automatically after moving variable from other window
353125	CDM: Preview output is not saved in DB object
353772	[WBID1351596878] solved
353955	[WBID4070127963] Walkback when open experiment
354194	LCA: Cannot write StringArrayParamVar
354443	Different WBs during INCA session solved ([WBID3269616446]+ [WBID2563756822] + [WBID2674861332] + [WBID4219976294] + [WBID1457383385])
354877	Osci Borders: Migration of border values not working
354905	[NetWBID3527674279] Divide by zero - during recording
355040	If SEED_AND_KEY() was called twice, the second call always returns "0"(error).
355599	Window positions in EE changed when saving
355667	Recording in special workspace does not work
355936	CDM compare takes >8000 seconds
356006	Variables set to "record only" get lost from experiment when hardware is removed
356285	[WBID3753871432] adding dataset to CDM
356443	[NetWBID4080051704] Systemerror in EE
356664	WBID2383799375 due to wrong Raster Check for ETK
356887	[WBID3629547366] xception has been thrown by the target of an invocation.
356974	PC locks up when initialize XCP with ES581
357047	[WBID859343832] when try to read scenario in the CSE
357077	[WBID1904208450] while execution of ASAP3 command SWITCHING OFFLINE/ONLINE
357996	Inca hangs if flashing with ProF fails
358001	[NetWBID284093111] while select variable from dbc file

358113	Recorder file is not saved using ASAP3
358292	Scrollbar is not displayed in EE
358344	No recording possible due to long user comment (>32000)
358528	NetWBID2805166059 Alt+T opens VSD twice and leads to WB
359140	[WBID599328138] assigning Sensor catalog to ES611 if EtasShared is installed within ProgramFiles directory with limited user rights
359154	CDM: Save As dialog not displayed until action is performed
359207	Wrong information text (number of log-file) in WB dialog
359231	[WBID56370359] when open special experiment
359583	ErrorCode 517 when save database with INCA 7 type
359763	Unsuccessful flashing of a K-Line device leads to TargetServer crash
359776	[WBID3350186849] System error when initialize HW in HW-editor
359918	Space key discards measurement data: The "Discard"-Button in the progress dialog is "clicked", when the user presses the spacebar. This is the standard Windows behavior.
360366	[WBID2789835248] Inserting an inactive variable in the EE causes a crash.
360410	[WBID3489611665] System Error during INCA session
360414	CDM: After toggling RP / WP the CDM is flickering
360424	INCA V7.1.0 does not re-register the older IPM-Server when V7.1.0 is uninstalled
360572	[WBID2495295358] when clicking on Stop Measurement with demo project
360726	ETK reconfiguration occurs without any system changes
360764	[WBID761833463] System error during INCA session
360813	[WBID4105491366] while open EE
360875	[NetWBID4135088560] System error when selecting a newly created calculated signal into EE
360886	Crashes when INCA is left open and the user close the PC lid -i.e puts PC into sleep mode
360971	INCA crashes sporadically
361237	[WBID3034539543] while searching by STRG-F (DSMA*) and switching to the WP in EE
361307	XCP on CAN measurement requires strictly increasing PID numbers
361312	Osci does not show data
361328	Comment in EE is not saved
361533	[WBID172707040] while starting EE and switching the layer
361551	[WBID3550110205] after try to close HWC when before entry from Interpolating Table used by ES610 / ES611 Channel was deleted
361994	[WBID1468378902] Systemerror on attempt to add scenario
362120	INCA crashes when starting visualization
362305	[WBID1339338300] EtasETKDevice does not understand values
362399	eCDM - Server needs the version of the client
362564	After switching to 2D an additional axis is displayed, which disappears after the first page switch
362571	Calibration is not possible. (Address 02400CC4h + Offset -04400000h)

362572	[WBID2796752995] Windows has run out of resources and I71x creates much more widgets than I700 when adding many (~700) labels to EE
362595	ProF monitor crashes on percent sign
362624	Flashing CRD3-NFZ with INCA V7.1 and ES593 does not work
362675	Flashing of CCP ECU with ES590 and ES595 fails
362853	Disclaimer window has unnecessary space on Japanese OS
362857	[WBID302089311] - While opening an Experiment from I700
362861	[WBID2867680566] when opening EE after exchanging the used project
362899	[WBID2765789831] when selecting variables (CTRL+F) in an experiment environment
362977	Action of "Return" hotkey is blank in the hotkey assignment for hardware
363082	Ctrl+F does not find calibration signal
363201	[WBID1828434506] when start recording after ~15 Seconds
363252	Too small dialog for INCA user option "Verify checksum" (HW tab) with JP Win7
363282	Moving the horizontal scrollbar in a layer causes windows in another layer to be moved
363298	[WBID1828434506] when moving a variable into new combi editor.
363486	Unexpected warning about parameters defined multiple when "read all calibration from..." several DCM files in INCA experiment
363520	[WBID2379529958] when remove the unit column from a numeric display in a VUI
363536	VSC: Wrong Inc/Dec step when try to change multi selected Inc/Dec step in the VSD
363537	No hint to an multi selection error in the VSD Disp Config Tab
363613	[WBID3272354541] start a new CDM configuration and read the XML file as source
363655	[WBID1909117232] after try to change Conversion
363701	CDM: When there is no label selected unexpected entry Name is found in AboutInfo
363755	Fixed strings are used in the Hotkey assignment window
363756	Button and text redrawing will be wrong after setting "Large" to "Toolbar Icon Size" when INCA windows size is small
363817	Ctrl+U for GroupMAPs resets the axis values even if answered with "no"
363964	[WBID2341914299] during operation
364055	ETKS20 Download does not work after power fail
364145	Lin: Opening HWC of an lin device without an assigned project causes an OHI Error Message
364151	[WBID3115317880] solved
364186	No match variables are lost after first open of experiment
364270	[WBID4127442835] / [WBID1085971809] when adding matrix via CDM to EE and switching WP/RP
364297	INCA crashes and ends abruptly
364700	CDM: InlineEditor disappears after adding label to CSE
364728	CDM: Update from label in EE does not work each time when CDM is used in

	parallel to EE
364772	[WBID3941810745] when open experiment
364850	[WBID1486526400] after changing the extended limits
364868	Activation of inactive measurement fails
364869	CDM: Part of About Info is not updated when EE CDM and change was done in the CSE
364886	[WBID667152105] when performing HPT with reimport in CDM
364989	Strange behaviour with the new oscilloscope (time axis starts at -17000sec)
365104	[WBID4205771203] when try to drag label from CDM Inline Editor to EE
365263	Character value 0x08 does not work in paco + cdf
365264	Doubled display of ES921-device and not present ES920 in HWC-search if CSM AddOn installed
365338	[WBID1858057186] when clicking on can-db item in dbb (customer workspace I700)
365362	[NetWBID3117710536] when drag and drop calibrations into osci
365491	COM-API: Function 'Experiment.StopAndDiscardRecording' does not discard measurement file in specific cases
365501	Instant compare and compare have different results
365646	[WBID3521830602] if assigning project to XCP device
365682	System error after sleep mode of PC
365781	Error reading in LDF file
365788	[NetWBID1225729729] New OSCI: WB while shifting signals from one stipe to another
365809	"CheckDataPagesConform" API command missing for E-Target
365839	Error indication on ES1000 after installation Partner_addOn products
365850	Instant compare preview and comparison listing lists variables twice
365884	ES581.3 Unable to flash with ES581
365940	Communication to HSP or INCA does not work after reconfiguration of the IP assignment on the ES592
365941	[WBID826584337] after closing EE and CDM
365969	[WBID3831484687] during calibration recording cuboids testsuite running
366002	Flash programming failed for KWP2000
366021	Final XCP V1.2 AML can not be red into INCA V7.1.x
366195	INCA 7.0 HF20/21 VCRedist 2010++ 32bit needed - solved with ETK D&T 3.9 and subsequent
366261	[WBID1351596878] IDispatch call returned an exception.
366417	ECU cannot be initialized if ECU is seed and key protected
366547	Scrolling VSD: Selection marking failure in the VSD variable configuration screen
366574	[WBID1351596878] and NetWBID3376827096
366692	INCA freeze while working in VSD
366707	WBID124697803 + WBID2982189480 during opening VSD
366727	Got msg "invalid target server obj" when creating a CalcSig with MeasureCal (scalar) input

366976	[WBID4044653973] crashed while starting the EE
367276	VSD for Experiment Preparation selection does not show variables from LAB-file, when file is in VSD-Root and INCA option for calibration of measurements is YES
367282	Checksum resulted in (0x18) on CCP command UPLOAD (0x04)
367342	ES780 does not initialize properly when launch Experiment and INCA process must be killed to continue
367438	EE: Measurement with abs(x) not updated in widgets
367445	[NetWBID606721900] when open workspace containing an RTOsci with ~ 20 labels
367490	[WBID4020821034] solved
367577	Crash flashing CCP ECU with ES591 module
367587	Fixed strings are used in "about" tab of "Key and Value" field in the CDM
367591	Date format changed in CDF+Paco from yyyy/mm/ddThh:mm:ss to yyyy-mm-ddThh:mm:ss according CDF specification
367630	[WBID718680018] solved
367636	[WBID3266516586] solved
367639	[WBID2191077278] solved
367646	[WBID889164776] solved
367655	[WBID3093849059] solved
367690	EE: Measurement with abs(x) not updated in widgets - solved with #367438
367692	Copy labels in function mode: not all selected variables get copied in CDM
367789	Updating of the unequal variable values will not be set in real time in CDM
367801	CSM Addon did not run properly with used INCA command updateFromSearchResultUseCase- Msg: Invalid use case
367829	[NetWBID86843282] EE: Could not create instrument of type 'YT Oscilloscope (V7.1)' because memory is low.
368044	[WBID1056456240] solved
368128	CDM: Compare and copy is slow
368136	All Windows are moved in EE
368258	LDF Converter generates too long internal Long Signal Identifiers - Note: Requires INCA AddOn - LIN V7.1.2
368296	Difference in CDM compare is not detected
368314	New Feature: ASAP3 - Support of Commands EXTENDED GET PARAMETER/SET PARAMETER
368385	IPE Devices would not recognized due start the EE
368434	Set the same serial number for two different ES581.3 devices
368436	[WBID3185843499] at opening experiment or when starting HWC dialog
368437	[WBID2799303568] when search for HW in HW editor
368569	EE: Dependent label might not be correct updated
368580	ASAP2Editor: Dependents changed via ASAP2 Editor might be not updated
368609	ES581.3 TgtSvr crashes while measuring with ES581 over UDS
368613	[WBID203833631] Walkback when select 64-bit float calibration variable in VSD

368655	Data samples missing from ECU with XCPonCAN measurement in the mdf-file
368698	WBID2500789050 when adding label into experiment
368805	LDF to A2L Converter: quotes in comments can lead to rejecting LDF files - Note: Requires INCA AddOn - LIN V7.1.2
368867	VSD CalibrationHistory window cannot be active after opening it from inside VSD
368871	INCA-MCE Calibration via iLinkRT => WB
369278	[WBID2923198559] when editing Calibration History entry
369526	[WBID3084012237] when trying to perform a copy between source and destination containing parameters with process meta data
369581	CDM copy takes significantly longer than in older INCA versions
369702	Asap3.exe crashes when stopping recorder
369823	ODX V1.5.1: MSI parameters windows appears during the installation.
369844	ES581 causes CAN bus to crash
370089	The toolapi command „StopAndDiscardRecording does not work as described
370280	RTOSCI: It is not possible to drag and drop boolean label from one strip into another strip
370281	[WBID4225922226] solved
370334	[NetWBID3051776007] Walkback when click in Display Configuration tree of Scope Properties
370344	[WBID594243018] when closing EE after adding all martix labels to default recorder
370383	UDS Flashing with ES581 fails
370384	ES581.3 USB latency setting slow down flash performance
370388	ES581.3 CCP Monitoring: Buffer overflow at high busload
370390	ES581.3 Speed-Up does not stop on error
370415	No function of the CSM modules with the ES581.3
370416	ES581.3: No measurement via IPETRONIK or CDM possible if both ES581.3 CAN ports are used. Known issue with ES581.3 solved.
370437	[WBID1677654732] CSE: WB when activate scenario
370449	Known issue: Context Menu Variable Documentation does not work correctly on Win 8 when a PDF file is used - Note: Adobe Reader V10.1.8 or higher required
370452	CDM: Fields in GUI too small for included text
370531	[WBID1087598679] on attempt to open EE
370612	[WBID3202343969] system error on attempt to assign a XCP project
370640	Working page addressing by Inca is not working for CCP
371002	CDM Compare performance inproved if BackgroundComparison (BG) is ON (compared to INCA V7.1.1)
371055	Windows move of layer on saving EE
371147	MPM actions for ETK S6.0 seem to do incorrect copy actions - Required ETK D&T V3.11.0 (part of the INCA SP)
371336	Adding LAB files in VSD the name is displayed not completely, if the name contains a dot
371461	INCA freeze during measurement

371606	CDM: [WBID3972003626] at CDM LIST TO CDFX action
371690	Copy action in CDM takes 20 minutes
371694	Configure Output Channels menu item in EE is disabled when CANTransmit configured
371806	Flashing E78 controller - start ProF failed
371943	Recorder does not start
372012	ES581.3: After Flashing of the ECU, the HW initializing do not responds if the CAN 2 is initialized
372305	[WBID1320052639] during open EE with Excel-VBA-Macro
372448	ES581.3: Initializtion freeze if the CAN2 is initialized with a different Baudrate to CAN1
372849	Diagra can not use J2534 interface after INCA V712 was installed
373332	eCDM - INCA hangs when reading huge PaCo file
373347	Targetserver Crash when Initializing ETKS6.0B - Required ETK D&T V3.11.0 (part of the INCA SP)
373362	Flashing transfers false data if using CanCase in case of 4kB block size
373614	EE: Search feature enhanced: CTRL-F --> Find variable which is not in use in current EE. As a result, VSD is opened with this string as search filter
2011401036	CAN-Monitoring: Pop up window during measurements
2011408715	Existing layercontent gets not longer displayed, if a new window with new variables is added
2012402163	Commuication break down using USB Device on Panasonic CF5x
2012402179	Outputs of calibrations are not updated after changing x nodes (solution already shipped with INCA V7.1.1)
2012402276	Searching for a variable in the Display Configuration does not show all instances of that variable. - Already solved with INCA V7.1.0
2012404346	ES581.3 switching On/Off leads to the hanging of INCA
2012404958	ETK S Implementation calibration with calibration extension of 512 KB to 704 KB (TC1791ED)
2012405899	Communication error when trying to upload from memory area 0 of ETK - Note: Solved with ETK D&T V3.11.0 (part of the INCA V7.1 SP2)
2012405925	[WBID1056371263] when associating a XETK project to a XETK HW
2012406096	CDM: Highlight doesn't marked in a red square

5.9 INCA V7.1.1

5.9.1 Recommended Installation

It is recommended to install the update the complete INCA V7.1 with help of the Service Pack (installer) of INCA V7.1 SP 1.

5.9.2 News

5.9.3 New Features

See What's News slides INCA V7.1 SP01 (INCA-V7.1-SP01-Whats-new.pdf)

Summary/Key points:

- XCP-on-Ethernet Flashing (Prof)
- XCP Flashing over Ethernet
- Make timeout for XCP Program_clear configurable in the Prof configuration
- ODX Database for WWH-OBd (ISO 27145)
- Limited EMU RAM - different overlay sizes
- Limited EMU RAM - dynamic calculation of different overlay sizes
- Limited EMU RAM - free no longer used overlay sections

5.9.4 Known Issues

No new issues

5.9.5 Bug Fixes and Improvements

EHI #	Title
87145	Test improvement ASAMMCD3MCV21: INCA consumes too much RAM using MCD3
95691	Wrong file ending for secondary recording format MDF4.0
98016	[WBID1171579123] when open EE including CSE with inactive labels
98564	It is not possible to initialize ES595 if only Ipetronik is configured
98653	Renaming of Device name in HWC doesn't work with Umlaut (ä, ö, ü) for CSM - OHI integration corrected
100744	ES5xx - CAN-Monitoring Reconnect does not work after Ethernet was disconnected
335355	For special Slew it is not possible to add them to Measure Window
337558	The description for the ETK parameter "ETK steal measurement rasters" is not complete in the Hardware Editor
340153	Osci: Unexpected graphical representation from the axis if axis position is right
341035	[NetWBID2869734893] when using special characters in VSD for renaming widgets
346737	[WBID1188624608] when delete device in ee->hwc (special workspace)
347075	[WBID59071569] while opening INCA Experiment via EE
347545	INCA cannot handle Japanese folder names correctly in DBM

349096	[WBID1309351448] System error during MCE label configuration Note: Requires INCA AddOn MCE V2.0.1 (part of INCA 7.1SP1)
349605	Japanese AUTOSAR CAN DB file is not read correctly
349672	Window focus is changed in experiment when switching layers
350047	Invalid CAN variable is displayed in the VSD
350454	Fixed strings are used in help text of "Monitor bounds visualization" item
351057	Possible to add 2 XCP projects with different baud rates into one CAN controller
351465	[WBID976644063] When assigning project to workspace
351709	CDM Korean file name is not supported.
351870	[WBID1811049737] System error during INCA session
351974	NLS strings for ASAP2 reuse messages are not displayed
352244	"Format" value in the CDM will be emptied after new configuration
352642	[WBID2614014563] when calibrating in EE
352665	XCPonCAN : fail to assign multiple DAQ to single EVENT
352697	Inconsistent naming for old scope
352965	Some items on the Channel Details garbled Japanese characters
353252	[WBID448902737] CDM: The setting ASAM2MC of the compare mode leads to WB during listing of different items
353472	[WBID1030798313] if changing user options during EE open
353645	Inconsistent text in popup closing CDM in EE context
353699	XCP: Unknown MCE Error (MCE_ShadowDevice FW-ErrorCode: 0x80000000)
	Solution requires an update of the MCE Add-On (min. V2.0.1 required)
353717	Online documentation "Remaining recording time" inadequately described
353729	CDM compare output has too much space lines
353767	IPM Server NIC selection problem after HW power off/on cycle
353768	[WBID2292025523], [WBID2900964476] and [WBID526537052] OpenEE: WBs occurs when adding an axis point after removing an axis point
353769	[NetWBID1380843749] after a sequence of actions
353848	New oscilloscope cannot separate variables having name differences by underscore
353956	View in CDM variable list changes when calibrating a label
354002	[WBID500456574] when navigation in ECU view (special ECU)
354101	Slews: Slew behavior changed and icon is not being displayed on the proper data set
354189	Additional CAN Transmit device is added when perform replace
354344	INCA V7.0.0 [WBID2252893887] INCA V7.1.0 [WBID3914582808] when opening experiment
354446	[WBID4257230198] System error during adding a2I+hex in INCA
354565	INCA User-Option: Recorderformat = MDF4, The ASAP3 Option-dialog returns an Error-Message on closing. "Error: Wrong Parameter"
354566	[WBID845251662] on attempt to open EE

- 354669** [WBID1049526310] if press Strg+5 in any combined editor of the experiment
- 354890** [NetWBID2805166059] Object reference not set to an instance of an object
- 355071** When selecting BOA hardware in BUSMASTER, the hardware is not found
- 355262** SYS_CONST not visible in ASAP2 Editor
- 355263** MCD 3 MC V2.2 : Internal Error bei IMCCollectors.Add
- 355334** [WBID971617169] when trying to save DB>4GB as Inca 5/6 DB
- 355441** [WBID1830517044]after using Create Empty Dataset
- 355529** IPM: DHCP-Check when the DHCP Server provides IP addresses in the APIPA range reserved by Microsoft

The check is switched off (like INCA V7.0.0HF14 and former versions).
 The pre-condition is, that the NIC used for IPM Server has the
 IP address in APIPA range (169.254.0.1 - 169.254.255.254).

- 355604** After saving an experiment the modified values are getting lost
- 355609** Issue changing values of curve and scalar parameters
- 355641** Wrong direction of changing phys value
- 355683** [WBID4084274371] Osci corrupts experiment
- 355748** Adaptation of the CAN wrapper of the CSM AddOn for INCA V7.1
- 355826** LimitedEMU: Upload has different HEX data than expected
- 355862** [NetWBID167725091] when open customers project EE
- 355890** Searching for variable under "record only" does not list the searched variable on the right hand side of variable select window
- 355891** [WBID3462124558] when opening the experiment
- 356055** Conversion file uses wrong ASAP2_VERSION
- 356192** Focus on wrong label when moving labels using Alt+F10
- 356199** Server Busy message and Walkback encountered when using UFE "Force Running Reset"
- 356343** Wrong timestamp in the recording of CAN bus with ES690 and 3rd Party AddOn
- 356426** The configuration of the Ethernet adapter has changed
- 356462** INCA V7.1.0 and immediate MDA V7.1.0 Installation is not possible - Solved with MDA V7.1.1
- 356465** Reconnection fails if at first startup of Workspace the HW was not present
- 356490** [WBID3507640661] when init ETK S6
- 356559** Not possible to initialize connected modules (ES581.3, Vector Cancase VN1630)
- 356586** A1b.DK: The provided binaries in the subfolders of XML are not up-to-date

Note: Shipped with an updated INCA HWI-DK-Product (7.1)
- 356587** A1b.DK: Extend the package by a new example and adapt the current documents to them
Shipped along with INCA HWI-DK - synchronized with INCA V7.1 SP1.
- 356594** VSD - difficult to read color combinations (text / background) for raster info

356598	[WBID715207463] when switching to working page
356615	CDM output folder is changed without intention of the user
356621	Update from "About Info" does not work correctly when CDM and Label Viewer is at the same time visible
356641	Connection to ECU broken after automatic firmware check
356654	INCA SP Installer V1.0: Improve English phrasing
356667	Command PARAMETER FOR VALUE AQUISITION changes Raster of measurement in EE
356915	INCA SP Installer V1.1: Support of INCA V7.1 Service Packs with INCA V7.1.x/INCA V7.1.x AddOn installations
357075	Flashing UDS fails (customer-project)
357107	Database folder, file name not supported Korean typing
357131	CDM WBs ([WBID2415885070], [WBID4035783185]) after API-Access
357188	IPM Server configures ETAS network in the last known CN subnet address range
357210	XCP-Download to working page (WP) is not possible
357255	Focus is changed in VSD
357377	LimitedEMU: ETK-S4.2C page switch error, when using DRA page switching with zero active calibration handles
357384	LimitedEMU: ETK-S4.2c: Target Server crash when LERT is deleting active calibration handles from ETK driver
357389	[NetWBID1387878443] Walkback when attempt to launch help from Recording tab of Recorder Configuration
357926	2d representation of curve is wrongly initialized
358399	Connected modules are not initializable (ES581.3, ES590)
358625	[WBID177740905] when opening experiment
358635	Naming conflict in German about the CDM in experiment environment
358706	J2534: System Error occurs if you select the J2534 device on the HWC
358761	Feature: XCP on Ethernet Flashing
358768	VSD selection performance is not linear
358772	Make timeout for XCP Program_clear configurable in the Prof configuration
358790	OpenEE: Pasting a valid scalar value in a customer instrument is not working
358995	LimitedEMU: Error connecting INCA/LERT V2 to ETK configured with LERT V3
358999	LimitedEMU: TgtSvr Crash when connecting INCA LERT V2 with ETK configured with LERT V3
359068	[NetWBID2371750740] can occur when changing border to polygon during visualisation
359074	All variables are kicked out and missing message "<GMHM Error>ETKC:1 not connected Communication error" when open special workspace
359133	[WBID1995202784] when adding some special variables to EE
359164	[WBID3459799566] INCA V7.1.0 System error opening Experiment
359167	[WBID23588784] INCA V7.0.0: System error opening Experiment
359168	Not able to read information text in pop up window

359219	[WBID1755757732] When adding some special labels to experiment
359293	[WBID2375067316] when adding some special variables to EE
359313	LimitedEMU: LERT_V3_GET_MEMORY returns handle with ID -1
359362	[WBID172707040] when clicking on a special layer in converted ee
359411	[WBID2353725686] when starting visualization
359607	[WBID2818652063] when adding some variables belonging to ETKC device to EE
359619	[WBID2131658443] WB while re-grouping of ECUs
359626	Drawings are disappearing when osci is stopped and zooming into drawing area
359724	VSD: automationId for search text box not available
359761	Undo from Calibration Actions in the Scalar Table Editor does not work for Grouped Devices
359811	INCA SP Installer V1.0: Installer hangs if access to installation is broken
359924	CSM Addon for 7.1.0 does not install with INCA 7.1.1 (INCA 7.1 SP1)
Note: Requires an updated version of the CSM-Addon (tested with V2.33)	
360408	[WBID91755544] EtasSlewingToolbox - after selecting special Project Requires also an update of Slewing Add-On
360417	[WBID1167443177] after reading same Data Transfer File again as source
360477	INCA-EIP V7.1.0: Tables are removed from Experiment when saving without HW connection
360539	XETK_S4.2 ETKAccessDll exception occurs when XETK S4.2 is initialized
360688	ETK reconfigure dialog blocks regressions tests and causes unexpected behavior and ETK status
360880	[WBID3329588264] when reading in DCM files into Exp
360943	LimitedEMU: Correct Package for LERT V3 is missing or not installed correctly in INCA V7.1.1 beta 3
360956	OpenEE: [WBID2818652063] when copying a variable from a customer instrument to a combined editor
361036	Slews: Slew behavior changed and icon is not being displayed on the proper data set
361151	[WBID2818652063] When adding calibration variables to experiment
361193	[WBID1600904071] when trying to open EE containing some customer instruments
361195	Measurement with XCP not possible with CPC-NG (ECU) and INCA V7.1.0
361253	[WBID3245040113] when changing source dataset in CDM if inline editor is displayed
361293	System error while loading a new DCM
361294	[WBID1167443177] when deleting variables in CDM if inline editor is in use
361333	"Internal error during restoration of recording files!" or "etas target server recover file dialog" after successful multirecording saving, close and reopen EE (MDF3 indexing off)
361338	INCA switches wrongly the calibration page after flashing

361465	Flashing with ES580 and Inca V7.1.0 is not possible
361786	[NetWBID2805166059] WB while ALT-T from new oscis
362102	[WBID2935521719] when try to open special EE
362123	CDM: After using Filter in CDM the About Info and the Inline Editor was not updated
362181	[WBID2375067316] when try to add special label to EE
362220	[NetWBID2243372993] when try to change multi selected messages for a Measure Window via VSD
362318	[WBID3269616446] Memory optimization message and walkback when open and close experiment multiple times
362614	INCA SP Installer V1.1.0.x beta: The SP installer in "JP" folder do not find INCA V7.1.0
362630	Calibration Page is wrongly switched after flashing
362633	"Show Data Freeze message box" typo in option description
362769	[WBID136555192] when try to create old YT osci together with a border
362830	OHI Error Message when try to open EE with Lin Device Note: Requires INCA Add-On LIN V7.1.1 (part of INCA V7.1SP1)
362927	Possible that FlexRay EE is not usable because no label is available Note: Requires INCA Add-On FlexRay V7.1.1 (part of INCA V7.1.0SP1)
363129	ASAP3.exe System error when starting Client Setup
363410	[WBID3858905214] whenever I try to read ECU project via eCDM Note: Requires INCA AddOn QMBasic V7.1.1 (part of INCA V7.1 SP1)
363432	[WBID927381850] when starting a Copy action Note: Requires the INCA AddOn QMBasic V7.1.1 (part of INCA V7.1SP1)
363440	Limited EMU RAM - enhancement with INCA V7.1 SP1 Support of variable section size (see also What's New slides of INCA V7.1 SP1) - different overlay sizes - dynamic calculation of different overlay sizes - free no longer used overlay sections
363443	eCDM Performance Improvement for INCA V7.1 SP1 Better Performance for data exchange of A2L + Hex + CDF file
363498	ES590: XCP Measurement not longer working
363510	[WBID1830318832] after removing Rescale Pair from a Rescale Axis Pairs used by Grouped Devices
363521	eCDM: WB [WBID4035878948] when starting a list action to an ECU project read via eCDM

363682	[WBID875378039] (INCA V7.1.0)/ [WBID2704107310] (INCAV7.0) INCA crashes at "List" or "Compare" action in CDM
363824	[WBID3972003626] occurs when starting copy action
364077	IPM server package 16.1.6 or 16.1.7 not registered
364177	Icon of OnlineFirmwareCheck incorrect in HWC for ES592/ES593/ES595/ES581
364292	INCA freeze while working in VSD
364299	[WBID1478058315] on attempt to read the CAN-db
364303	[WBID172707040] while working in the EE
1003923	In VSD, the raster percent fill is not displayed
1004035	Cannot add variables from GMLan with experiment in offline mode
2011405120	[WBID3235928131] using IPETRONIK AddOn in INCA
2011405437	[WBID2252893887] using experiment with IPETRONIK AddOn
2011406089	Compare is not executed in background task
2012404411	[WBID1524229236] System Error on deleting ETK or device in EE
2012404490	Layer tab-width gets wider on Windows7 (Japanese display language)
2012405330	API-Tool cmd SetDoublePhysValue return code incorrect
2012405629	INCA switches page after Flashing ECU
2012406097	By using a triggered measurement with lead time listening to the generated data file for certain measures the time stamps on about 10s before

6 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: www.etas.com/en/contact.php
ETAS technical support	WWW: www.etas.com/en/hotlines.php