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## INCA V7.3.7 HF4 – 64Bit

### Release Notes

Release: May 2022

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## 1 Introduction

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Dear customer, in this file you will find the latest information about our product INCA V7.3.

***IT IS NECESSARY TO UPDATE ALL FIRMWARE USING HSP V12 PRIOR TO USING INCA V7.3 WITH HARDWARE***

(Note: With each INCA Refresh, Service Pack the corresponding HSP V12.x version must be used, available on the ETAS Download Page)

### 1.1 Definitions and Abbreviations

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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	<b>Known Issue Report</b> – For severe Problem Reports which occur after a release, ETAS has introduced the Known Issue Report to inform affected customer immediately. The current Known Issues of former versions can be found on the ETAS website: <a href="http://www.etas.com/kir">http://www.etas.com/kir</a>
PR	Problem Report
SP	Service Pack
SW	Software
VSD	Variable Selection Dialog
WB	Walkback, Inca system error

### 1.2 References

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none

### 1.3 Conventions

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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.

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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 <code>setup.exe</code>	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

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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 7.3** → **Manuals and Tutorial**.

## 2 Product Definition

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### 2.1 Functions at a glance

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New functionality of INCA V7.3 is listed in the overview "INCA-V7.3-Whats-new.PDF". You find the overview "INCA-V7.3-Whats-new.PDF" on the installation DVD in the folder "Documentation" or in the installation folder on the PC.

### 2.2 General Description

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#### 2.2.1 Safety Notice

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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

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The following minimum system prerequisites have to be met:

<b>Required Hardware</b>	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
<b>Required Operating System</b>	Windows® 8.1 64 bit*) Windows® 10 64 bit (version 1803 or higher) *) Windows® 10 64 bit Enterprise (LTSC 2016 or higher) *) Windows® Server 2016 and 2019 64 bit *) (English, French, Japanese, Chinese and German OS version supported) *) INCA V7.3 and higher supports the 64-bit operating system only. 32-bit operating system is not supported. Note: The support of Windows® Vista was discontinued with INCA V7.2 SP5, the support of Windows® 7 was discontinued with INCA V7.2 SP16, and the support of Windows® 8 was discontinued with INCA V7.3 SP0. (Details: see INCA-V7.3-Whats-new.pdf)
<b>Required Free Disk Space</b>	5 GB (not including the size for user data; minimum required, but not recommended)

The following system prerequisites are recommended:

<b>Recommended Hardware</b>	3 GHz Quad-Core Processor or equivalent 16 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
<b>Recommended Operating System</b>	Windows® 10 64 bit  (English, French, Japanese, Chinese and German OS version supported)
<b>Recommended Free Disk Space</b>	>10 GB
<b>Recommendation on Performance</b>	Investigation on performance showed: <ul style="list-style-type: none"><li>- More Memory improves execution time of repetitive operations</li><li>- SSD hard disks improve the file access times</li></ul>



### 2.2.3 Software Prerequisites

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#### 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 privileges, please refer to the [INCA\\_V7.3\\_InstallGuide\\_EN.pdf](#) chapter "Privileges").
- Hyperthreading is supported
- Multiple monitors may be used, but there is no special functionality in INCA for them.

### 2.2.4 Restrictions

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WINDOWS® XP, WINDOWS® 95, WINDOWS® NT, WINDOWS® 98SE, WINDOWS® 2000; Windows® Vista and Windows® 7 are not supported.

INCA does not officially support PCMCIA adapters used in a Desktop PC for connecting ETAS hardware. 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 mdf3 - 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 V7.3 introduces a new version of the target server component.

For this reason, with INCA V7.3 and former versions of the ETAS Experiment Environment (not release for operation with INCA 7.3) simultaneous online operation will not be possible. E.g., if during bypass operation, INCA V7.3 is used to measure and to calibrate on an ECU, the Experiment Environment not released for operation with INCA 7.3, cannot access the corresponding prototyping hardware (e.g. ES910) at the same time.

Recommendation:

- Use former INCA versions for such use cases.
- Use such versions of the Experiment Environment, LABCAR-OPERATOR and INTECRIO which are released for operation with INCA V7.3.

### 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>

The latest version of the INCA manuals in PDF format is part of each INCA Service Pack and installed onto the computer.

## 2.3 Delivery

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The INCA software is delivered with an automatic installation routine on a DVD (or ZIP – file) 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 V7.3 installation** first. The Hardware Service Pack (**HSP V12.x Installation**) has also to be installed for proper operation.

### 2.3.1 Used 3rd Party Software

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The 3<sup>rd</sup> Party Software used by INCA, its add-ons and components is listed in the documentation in the folder \Documentation\OpenSourceSoftware.

The Open Source Software Attribution documentation (PDF) of INCA covers INCA but also almost all of the INCA add-ons and components shipped with the INCA Service Pack.

For all other products and components check the separate Open Source Software Attribution documentation within this folder.

The documentation of hardware related Open Source Software Attributions are shipped with HSP (Hardware Service Pack) and can be found within the corresponding folder there.

## 2.4 Installation

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For details on installation select (after the automatic installation started from DVD) **Documentation** → **Manuals** → **INCA\_V7.3\_InstallGuide\_xx.PDF**, Chapter "Installing the Program".

### 2.4.1 Important Installation Hints

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- **Very important:** After the installation a reboot of the computer system is required.
- MDA V8 is now shipped with the INCA 7.3 DVD and installed automatically with the INCA 7.3 Service Pack installer (might be unselected during installation).
- User shall not install/uninstall licenses while licensed software is online.  
Recommendation: Shut down product and manage licenses then.

### 2.4.2 Related Components

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#### *Firmware*

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***IT IS NECESSARY TO UPDATE ALL FIRMWARE USING HSP V12 PRIOR TO USING INCA V7.3 WITH HARDWARE.***

The Hardware Service Pack (HSP) V12 is also included on the installation DVD.

### *ETK Tools*

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Configuration support of ETK/XETK modules is provided by a separate add-on 'ETK Tools'. 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 might be installed automatically during the installation of INCA Service Pack (has to be selected). For new versions of the 'ETK Tools' add-on please check our website. It is also part of the INCA Service Pack.

## 2.5 Supported Hardware with INCA V7.3

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Beginning with INCA V7.3, INCA supports more hardware by default with the INCA V7.3 base installation. The corresponding INCA Add-ons are no longer required.

### 2.5.1 ES4xx (Daisy-Chain) and ES6xx Support

INCA V7.3 supports the following Daisy Chain modules. No further Add-on installation is required:

The following (Daisy-Chain) devices are supported:

- Voltage measurement instruments: ES410, ES411, ES413 and ES415
- Thermo measurement instruments: ES420 and ES421
- Lambda measurement instruments: ES430, ES432, ES630, ES631, ES635 and ES636
- Pulse signal measurement instruments: ES441
- Multi-IO Module: ES930

The following ES6xx devices are supported:

- Voltage measurement instruments: ES610 and ES611
- Thermo measurement instruments: ES620
- Voltage and Thermo measurement instruments: ES650

2.5.2 ES5xx, ES8xx and ES9xx Support

INCA V7.3 supports the following modules. No further Add-on installation is required:

	CAN	CAN-FD	LIN	FLX	ETH <sup>(1)</sup>	ETK	FETK
ES511.1	X		X				
ES512.1	X			X			
ES523.1	X	X					
ES581.4	X						
ES582.1	X	X					
ES583.1				X			
ES584.1	X	X	X				
ES592.1	X		X			X	
ES593.1-D	X					X	
ES595.1	X		X	X		X	
ES882	X	X	X		(2)		
ES886	X	X	X		X		
ES891	X	X	X	X			X
ES892	X	X	X				X
ES910.3-A	X		X			X	
ES910.2	X		X			X	
ES910.2-B	X		X			X	
AS951.1-A	X		X			X	
ES920.1				X			
ES921.1	X						
ES922.1	X	X					

(1) Automotive Ethernet

(2) Automotive Ethernet media converter

ES92x piggy support in ES91x modules.

	ES920.1	ES921.1	ES922.1
ES910.3-A	X	X	X
ES910.2	X	X	
ES910.2-B	X	X	
AS951.1-A		X	

### 2.5.3 3rd Party Support

INCA V7.3 supports a number of 3rd party bus interface devices. No further Addon installation is required. The operation of these devices with ETAS software must be enabled. The enable bits can be purchased from ETAS. Please contact your ETAS sales representative.

The following 3rd Party hardware is supported in INCA:

	CAN	CAN-FD	LIN	FLX	ETH
CANcard XLe	X		X		
CANcase XL	X		X		
CANCase XL log	X		X		
VN1610	X	X			
VN1611	X	X	X		
VN1630(A)	X	X	X		
VN1640(A)	X	X	X		
VN5610(A)	X	X			X
VN5640(A)	X	X			X
VN7600	X			X	
VN7610	X	X		X	
VN8910(A)					
VN8950 <sup>(2)</sup>	X		X		
VN8970 <sup>(2)</sup>	X	X	X	X	

(1) Automotive Ethernet

(2) piggybacks for VN8910(A)

### 2.5.4 Addons and CAN-FD Support

LIN Monitoring, FlexRay Monitoring and XCP on FlexRay (MC) are only supported with the corresponding Add-Ons.

Uses cases supported on CAN FD bus:

- CAN FD Monitoring
- UDS on CAN FD (ISO14229 on ISO15765-2 from 2013-10-22)
- UDS on CAN FD flashing with INCA-ProF
- XCP on CAN FD
- XCP Flash on CAN FD
- CAN FD Frames sending with ProF
- Support of Vector VN7610 with USB to FlexRay, CAN and CAN-FD interfaces. CAN/CAN-FD and FlexRay are supported in parallel using a FLX/CANcable (2Y cable).

## 2.6 Licensing

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

MDA and the INCA Add-ons could be installed automatically with help of the INCA Service Pack Installer by selecting the corresponding products during installation.

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

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

### 3.1 What's New

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See What's New slides of INCA: Select **Version Info** → **What's new presentation** on the automatic installation from DVD or the INCA-V7.3-Whats-new.pdf.

### 3.2 Compatibility to Earlier Releases

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Compatibility to other INCA versions has been taken into account. An INCA V7.2 data base will be converted automatically to an INCA V7.3 64-bit data base.

Due to change to a 64-bit data base, former INCA versions cannot use the INCA V7.3 data base directly. Exchange is possible via the export and import option of INCA V7.3 and INCA V7.2. More details might be found in the INCA-V7.3-Introduction.pdf.

### 3.3 Known Issue Reports

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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

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This section describes the general set of known problems of the released version of INCA V7.3.0, valid for all INCA 7.3.x releases.

For version specific new and solved known issues see the corresponding section in the version history below, please.

### 3.4.1 Software related Items

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#### Problem Number Title

EHI #637804	<p>The ProF script is aborted due to an incorrect parameter call of a DLL file. A warning is displayed during the ProF Flow Control: <b>"A 32 bit DLL is called by a 64 bit process."</b></p> <p>The problem occurs if a 32 bit customer DLL is part of the ProF configuration and the 32 bit customer DLL is included in the [ChangePath] section of the INSTALL.INI file in the ProF configuration. The root cause of the problem is the entry in the [ChangePath] section in the INSTALL.INI file. During the ProF configuration installation, the 64 bit INCA V7.3 performs a change path instruction on the 32 bit customer DLL and stores the DLL as modified in a 64 bit utility into the target folder of the ProF configuration. The 32 bit DLL changed by the 64 bit utility in INCA V7.3 is corrupted and not operational in both, INCA V7.3 and V7.2 versions.</p> <p>This is an inconsistency in the ProF configuration when intended to be used in a 64 bit INCA version and has to be adapted on customer side.</p> <p><b>Workaround without changes in the ProF configuration:</b> Remove the ProF configuration installed with the 64 bit INCA version and reinstall it with a 32 bit INCA (V7.2.17 or lower). Subsequently the ProF configuration works as expected in both INCA 32/64 bit versions.</p> <p><b>Workaround with changes in the ProF configuration:</b> The 32 bit customer DLL entry in the [ChangePath] section in the INSTALL.INI file has to be removed. Subsequently the adapted ProF configuration installed in INCA V7.3 works in both, INCA 32-/64 bit versions.</p>
EHI #74310	<p>Electronic Licensing - Valid local license not found when LAN connection deactivated</p> <p>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.</p>
EHI #2008404287	<p>Excessive RAM usage with combined editor - accumulation over long period of time (with many cycles)</p> <p>For test bench applications the combined editor must be used in the "table only" mode.</p>
EHI #514755	<p>Computer might freeze during recording in case of outdated network card driver. In case update to the latest version, please.</p>
EHI NA	<p>Installation: When one of the required packages of redistributables or .NET are not installed before the INCA V7.3 Service Pack, a reboot might be necessary. It is not recommended to suppress the reboot in</p>



- such case – as following installation might be not complete or get corrupted.
- EHI NA INCA V7.3 64 bit COM-API  
- Clients which are compiled for .NET x86 (32bit) are not supported  
- It is necessary that .NET clients are compiled for x64.
- EHI #426483 Starting measurement with unconnected XCP on Ethernet takes a lot of time.  
Note: this is a standard behavior of Ethernet communication. Not solvable in INCA.  
Workaround: Open the EE in offline mode ("Experiment without full HW-access"). No change planned.
- EHI NA INCA Add-Ons (or INCA engineering Add-Ons) which are not part of the INCA Service Pack has to be updated manually.
- EHI #449628 CDM: Calibration of values might be very slow (15 Sec for one inc/dec step) in case of instant compare together with a large number of (sub)groups+(sub)functions and working in function mode and all functions are used.  
Workaround: Disable instant compare. No change planned.
- EHI #NA Usage of virtual PC machines.
- The usage of INCA on a virtual machine (VM) is restricted and not recommended. ETAS recommends to use real PC hardware:  
O The VM needs sufficient working memory (RAM), otherwise the performance of INCA goes down  
O Access to sufficient graphic card memory (Direct X) is necessary, otherwise the oscilloscope representation of measurement signal is not possible  
O Access to hardware interfaces Ethernet, USB, PCMCIA, ... is necessary, otherwise INCA cannot use the connected hardware  
O Measure samples may be lost and the accuracy of time stamps is not guaranteed as the higher task priority for hardware access (Target Server) is not given  
O ETAS does no special tests concerning VM machines  
No change planned.
- EHI #550011 Devices ETK-S20/ETK-S21/ETK-S22: Incorrect ECU status is shown in the INCA EE during ECU power loss  
The ETK devices ETK-S20/ETK-S21/ETK-S22 in case of MCU power off and ETK still supplied with power are actively driving the MCU reset, which could lead to the status information inside the INCA EE of "ECU in reset" instead of "ECU off". The behavior was not changed to the new INCA version. The behavior to other serial ETK devices could differ in this use case though because of a different ETK reset handling.
- EHI #564713 Setting of CAN-FD Transceiver delay compensation (ON/OFF) shall be consider in the J2534/MDI2 device implementation. Configuration of this parameter in INCA-HWC will be ignored.  
CAN-FD Transceiver delay compensation configured in INCA HWC will be ignored, since the J2534 standard interfaces does not provide an interface to allow configuration of this parameter on device.

- EHI #563090 Sporadically happens that the datalogger could not be activated and then stop simulation is not working.  
Then an update of the Windows Universal CRT might be required. The Windows Universal CRT DLL is a component of the Windows Operating system and updated with Windows OS. Details see:  
<https://support.microsoft.com/en-us/help/2999226/update-for-universal-c-runtime-in-windows>
- EHI #645006 Multi-Dimensional Measurements - ASAP2 LAYOUT: INCA interprets MATRIX\_DIM measurement arrays as COLUMN\_DIR if LAYOUT keyword is not defined. This might lead to wrong interpretation and wrong measure data.

The ASAP2 V1.6 (2009) specification introduced the optional LAYOUT to offer the possibility to describe the different behavior. As default, when LAYOUT is missing, the ASAP2 spec V1.6 introduced as default ROW\_DIR.

INCA supported 2-dimensional measurement arrays already long before ASAP2 introduced LAYOUT. INCA uses as default COLUMN\_DIR. As result, INCA indexes the measurement arrays column wise instead of row wise.

INCA will change its default for measurement arrays without LAYOUT from COLUMN\_DIR to ROW\_DIR beginning with INCA V7.3.3.

**Solution with INCA V7.3.3 and higher:**

As there are already A2L files in the field that describe 2-dimensional measurement arrays without LAYOUT with ASAP2 VERSION up to 1.6 INCA will change the default dependent on the ASAP2 VERSION stated in the A2L file.

For A2L files with ASAP2 VERSION < 1.7 INCA will keep COLUMN\_DIR as default!

For A2L files with ASAP2 VERSION >= 1.7 INCA will use ROW\_DIR as default!

If the ASAP2 measurement description contains the LAYOUT info INCA respects the given memory orientation.

If LAYOUT is missing INCA interprets multi-dimensional measurement arrays by default dependent on INCA version and ASAP2 version:

INCA \ ASAP2	V1.5	V1.6.1	V1.7
V7.2.x	COLUMN_DIR	COLUMN_DIR	COLUMN_DIR
V7.3.2	COLUMN_DIR	COLUMN_DIR	COLUMN_DIR
V7.3.3 ff.	COLUMN_DIR	COLUMN_DIR	ROW_DIR

**Recommendation:**

The creators of A2L files shall use always the optional ASAP2 keyword LAYOUT to describe the orientation exactly.

Solved with INCA V7.3.3.

- EHI #NA J2534 support with INCA V7.3.  
Usage of 3rd party hardware via J2534 (PassThru):

INCA 7.3 as 64 bit application uses 64 bit drivers provided by other vendors to access their hardware.

It was found that existing drivers from other vendors are using a byte alignment that does not match the J2534 specification (J2534\_1\_2004 spec (section 9.2.2 Attaching to the Dll From an Application)).

In 32 bit applications this did not play a role but needs to be considered in 64 bit applications.

ETAS implemented its J2534 functionality from INCA using this non-standard-conform byte alignment by default to support existing drivers from other vendors.

In case you find your 3rd party hardware device using J2534 not working together with INCA, please ask the ETAS MCD support for assistance or the standard-conforming version.

Tested devices are Kvaser, PEAK, (Vector, but further issues found)

With INCA V7.3.2 and higher it is now possible to switch to the standard-conform variant (in case, ask also here your ETAS MCD support for assistance).

EHI #649691	INCA V7.3.0 - MDF 4: INCA does not write the "vehicle name" in the measurement file as specified in the "Recording Save Dialog", but instead incorrectly writes the project name. Affected INCA Version: INCA V7.3.0 to V7.3.2
EHI #662199	ES850: Negative timestamps of the first measurements at the begin is possible INCA requests the Time Stamp for the measurements on ES850 before the measurement is started. As soon the measurement starts, INCA does a time correlation, which should present a negative time stamp for the first recording measurements.
NA	Known issue with <i>64Bit Integer Support</i> IF calibration is done in the INCA experiment or CDM AND a parameter of type 64Bit Integer is used AND the parameter holds a value that needs more than 52 bits for representation AND the user changes the values AND uses afterwards 'undo' THEN INCA does the 'undo' with the physical representation of the former value. The result is a 'casted' value that has less precision as the original former value.

### 3.4.2 Hardware related Items

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Problem Number	Title
NA	NA

## 4 Hints

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### 4.1 Compatibility with other INCA versions

- INCA V7.3 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 V7.3
  - Projects created in former INCA 7.2 versions can be reused
  - Up and downward compatibility allows using INCA in distributed development projects
  - An INCA V7.2 data base will be converted automatically to an INCA V7.3 64-bit data base.
  - Due to change to a 64-bit data base, former INCA versions cannot use the INCA V7.3 data base directly. Exchange is possible via the export and import option of INCA V7.3 and INCA V7.2.
  - For better performance, it is recommended to exchange 64-bit export files (\*.EXP64) with INCA V7.3, but not 32 bit export files (\*.EXP). Accordingly, frequently used 32-bit export files (\*.EXP) should first be converted into 64-bit export files (\*.EXP64).  
Conversion between the 32-bit data base format and the 64-bit data base format is an additional step that needs extra time (approximately the same time as a normal import). This will approximately double the time to import/export the 32bit EXP file. In contrast, the import and export of 64-bit export files has the same performance as previous INCA versions..
  - Further details might be found in the INCA-V7.3-Introduction.pdf (root of Service Pack folder and in the \Documentation\WhatsNew folder).

## 5 Version History, Refresh and Hotfix Information

The INCA 7.3 Service Packs (SP) updates (or downgrades) a former INCA 7.3 installation automatically, in case INCA V7.3 is already installed. The INCA V7.3 base installation and INCA Add-On installations will be updated with help of the INCA Service Pack.

If INCA V7.3 is not installed, it is highly recommended to install immediately the latest INCA V7.3 SP (there is no installation of INCA V7.3.0 or another former INCA version required).

Important: The automatic update requires a corresponding INCA V7.3 installation (but it is also possible to install an INCA V7.3 SP without a previous installation of INCA V7.3)

An INCA 7.2 installation has to be updated manually to INCA 7.3 (like a new installation).

All refresh software updates (shipped with INCA 7.3 Service Packs) are cumulative. The most recent refresh incorporates any changes introduced by previous refreshes.

The following issues have been fixed with INCA V7.3. History is listed in reverse order.

### 5.1 INCA V7.3.7 HF4

#### 5.1.1 Recommended Installation

See INCA V7.3.7

#### 5.1.2 New Features and enhancements

See INCA V7.3.7

#### 5.1.3 Known issues of INCA V7.3.7 HF4 – Important Hints

See INCA V7.3.7

#### 5.1.4 Known issues solved with INCA V7.3.7 HF4 – Important Hints

See INCA V7.3.7, V7.3.7HF1, V7.3.7HF2, and V7.3.7HF3. Additionally, these known issues solved:

- #686013 Calculated Signal of type LookupTable is wrongly calculated

**IF**

a calculated signal is used

**AND**

the calculated signal is created by the LookupGenerator.bat

**AND**

the used axis of the lookup table has a descending order

**THEN**

the result values can be wrong.

Note: The issue was introduced with Perl V5.30.0 included in INCA V7.3.0. It is no issue with Perl V5.8.6 in INCA V7.2.17 and former versions.

Affected INCA Versions: V7.3.0 - V7.3.7 HF3

Workaround: Do not use calculated signals with lookup tables with axis in descending order

- #686026 INCA V7.3.7HF3: Uninstallation of INCA V7.3.7 HF3 fails
  - A) After uninstallation of INCA V7.3.7 HF3 the remaining former INCA V7.3.7 installation (INCA V7.3.7, V7.3.7HF1, or V7.3.7HF2) is no longer working.
  - B) After installation of INCA V7.3.7 HF3 it is not possible to uninstall INCA V7.3.7 immediately.

Workaround: Execute a repair of the remaining INCA V7.3.7 installation (INCA V7.3.7, V7.3.7HF1, or V7.3.7HF2). Then the remaining INCA V7.3.7 is working again or it is possible to uninstall INCA V7.3.7.

Affected INCA Version: INCA V7.3.7 HF3.

Note: Due to KIR issues it is not recommended to use INCA V7.3.7 to INCA V7.3.7 HF3.

Solved with INCA V7.3.7 HF4. During installation of INCA V7.3.7 HF4 the INCA V7.3.7 HF3 (and former INCA V7.3.7 hotfix installations) will be uninstalled and the installation repaired.

### 5.1.5 Bug Fixes and Improvements

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See INCA V7.3.7, V7.3.7HF1, V7.3.7HF2, and V7.3.7HF3. Additionally, this issue solved:

EHI #	Title
684302	ASAP3: No value(s) sent if the signal(s) configured via ASAP3 in two rasters. INCA accepts the multiple raster and records it. But ASAP3 is no longer able to read the multiple raster from INCA. GET_ONLINE_VALUE throws an error.
686013	Calculated Signal of type LookupTable is wrongly calculated
686026	INCA V7.3.7HF3: Uninstallation of INCA V7.3.7 HF3 fails

## 5.2 INCA V7.3.7 HF3

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### 5.2.1 Recommended Installation

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See INCA V7.3.7

### 5.2.2 New Features and enhancements

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See INCA V7.3.7

### 5.2.3 Known issues of INCA V7.3.7 HF3 – Important Hints

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See INCA V7.3.7

#### 5.2.4 Known issues solved with INCA V7.3.7 HF3 – Important Hints

See INCA V7.3.7, V7.3.7HF1, and V7.3.7HF2. Additionally, this known issue solved:

- #682704 CAN Monitoring and FlexRay Monitoring time stamp might be wrong. Wrong offset is added.

**IF**

CAN Monitoring or FlexRay Monitoring are used for measurement together with other measurement devices

**AND**

all measurement hardware devices are not powered on directly before the measurement

**THEN**

Time Stamps of random measurement devices can be wrong by n times 4000 Seconds due to an issue with time counter overflow handling.

Affected: INCA V7.3.7, V7.3.7 HF1, V7.3.7 HF2

Workaround: Switch HW Devices OFF-ON to reset the time counter.

#### 5.2.5 Bug Fixes and Improvements

See INCA V7.3.7, V7.3.7HF1, and V7.3.7HF2. Additionally, this issue solved:

EHI #	Title
682704	CAN Monitoring and FlexRay Monitoring time stamp might be wrong. Wrong offset is added.

### 5.3 INCA V7.3.7 HF2

#### 5.3.1 Recommended Installation

See INCA V7.3.7

#### 5.3.2 New Features and enhancements

See INCA V7.3.7

#### 5.3.3 Known issues of INCA V7.3.7 HF2 – Important Hints

See INCA V7.3.7

#### 5.3.4 Known issues solved with INCA V7.3.7 HF2 – Important Hints

See INCA V7.3.7 and INCA V7.3.7 HF1, additionally this known issue solved:

- #679946 ASAP3 Get Online Value not working for variables with Multi Raster.

**IF**

using ASAP3 with INCA V7.3.6

**AND**

the experiment contains already measurements selected in multiple raster

**AND**

the ASAP3 client configures a measuring list by  
PARAMETER\_FOR\_VALUE\_ACQUISITION containing such multiple raster  
measurements

**AND**

the client requests measured values by GET\_ONLINE\_VALUE

**THEN**

ASAP3 may send wrong measurement values to the ASAP3 client

Note: The measurement values recorded by INCA are correct.

Affected INCA Versions: INCA V7.3.7.

### 5.3.5 Bug Fixes and Improvements

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See INCA V7.3.7 and V7.3.7HF1, additionally this issue solved:

EHI #	Title
676835	[WBID617425689] receiver must be a boolean
678037	[WBID2537269082] UndefinedObject does not understand getPalette in combination of Software Bundle with ECU-Tests , Labcar Operator and RTPC V 6.5.2
678572	[WBID1941687619] UndefinedObject does not understand setTextColor. [Sporadic]
678821	WB in CDM after using Control + I hotkey on a specifi variable [WBID2592742658] Primitive failed in: String>>#at: due to Index out of range in argument 1
679946	ASAP3 Get Online Value not working for variables with Multi Raster

## 5.4 INCA V7.3.7 HF1

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### 5.4.1 Recommended Installation

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See INCA V7.3.7

### 5.4.2 New Features and enhancements

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See INCA V7.3.7

### 5.4.3 Known issues of INCA V7.3.7 HF1 – Important Hints

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See INCA V7.3.7.



#### 5.4.4 Known issues solved with INCA V7.3.7 HF1 – Important Hints

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See INCA V7.3.7, additionally this known issue solved:

- #673876 Calculated Signal was not exported in multi-byte path. No error message shown.  
If a "2Byte Character Operating Systems" is used, e.g., Japanese, Chinese, Korean, etc.

**AND**

a Calculated Signal is exported to a multi-byte path, e.g. "C:\日本語"

**Then**

the Calculated Signal (XCP file) will NOT be exported to this path. There is also no error message shown.

Affected INCA Versions: INCA V7.3.0 to V7.3.7.

Workaround: Select a path without 2byte Characters, e.g. C:\MyCalcSignals\ for export of the Calculated Signals.

#### 5.4.5 Bug Fixes and Improvements

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See INCA V7.3.7, additionally this issue solved:

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EHI #	Title
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673876	Calculated Signal was not exported in multi-byte path. No error message shown.
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### 5.5 INCA V7.3.7

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#### 5.5.1 Recommended Installation

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It is strongly recommended to update and down date INCA V7.3 (including INCA Add-Ons) only with help of the INCA Service Pack Installer.

**Important:** After the installation, a reboot of the computer system is recommended. With the MSI-installation technology it is more important not to change any files manually otherwise uninstallation or new installation (update) will very likely fail.

#### 5.5.2 New Features and enhancements

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- All news of the current INCA Service Pack see INCA-V7.3 SP7 Whats-new.pdf.

#### 5.5.3 Known issues of INCA V7.3.7 – Important Hints

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- #673876 Calculated Signal was not exported in multi-byte path. No error message shown.  
If a "2Byte Character Operating Systems" is used, e.g., Japanese, Chinese, Korean, etc.

**AND**

a Calculated Signal is exported to a multi-byte path, e.g. "C:\日本語"

### Then

the Calculated Signal (XCP file) will NOT be exported to this path. There is also no error message shown.

Affected INCA Versions: INCA V7.3.0 to V7.3.7.

Workaround: Select a path without 2byte Characters, e.g. C:\MyCalcSignals\ for export of the Calculated Signals.

## 5.5.4 Known issues solved with INCA V7.3.7 – Important Hints

- #671134 Working database objects corrupted after database repair  
IF  
an Asian OS is used (two byte Char OS, e.g. Japanese, Chinese, Korean, ...)  
AND  
database objects which contain strings are edited or newly created  
or a database repair is executed  
THEN  
these objects are handled and saved incorrectly.  
The result is that these database objects are no longer usable.  
  
Affected INCA Version: V7.3.6 (only)
- #672726 Wrong Port number in INCA V7.2 imported from export file which exported by INCA V7.3  
and duplicate  
# 671071 Backward compatibility of INCA not given - Port number of CAN-Nodes are changed after import  
Use Case: Importing an exp64-file which has been exported with INCA V7.3.5 or V7.3.6.  
HWCs created with INCA V7.3.5 and V7.3.6 are storing additional attributes which leads to the problem that the port for some of the CAN-Nodes are set to CAN1, even though in INCA V7.3.5 or V7.3.6 they were exported with other nodes.  
If a HWC is newly created with INCA V7.3.7 the problem is solved and will not occur anymore.  
If a HWC is created with INCA V7.3.5 or V7.3.6 the problem is already in the configuration. Changing the port once to another port and changing it back again with INCA V7.3.7 will correct it in the stored configuration.
- #631738 INCA does not support VN5610 and VN5640 with new driver mode "network-based mode"  
INCA supports only the old "Channel-based mode(legacy)"
- #668332 IPManager default offset start and end addresses from InstallationDefaultSettings.xml are not applied during installation.  
The InstallationDefaultSettings.xml parameters  
- IPM\_DEFAULT\_OFFSET\_START  
- IPM\_DEFAULT\_OFFSET\_END  
were not applied for the IPManager Network Settings configuration during an INCA installation. The IPManager used internal defaults instead.  
This has been fixed with INCA V7.3.7.  
The two parameters are persisted in the registry when applied during an INCA installation. Subsequent INCA installations will also apply these default settings, even if the parameters are not used in future InstallationDefaultSettings.xml files.

Deleting the default offset definitions is not possible, only overwriting with different values in InstallationDefaultSettings.xml.

- #666217 Automatically calculated MEMEORY\_SEGMENTS include also MEASUREMENTS.
  - This issue is solved with INCA V7.3.6 only for the use case if the option "Calibration of Measurements" is deactivated.
  - But the "Calibration of Measurements" - Option shall not be activated in case of an A2L without a MEMORY\_SEGMENT. This will not work!
 Note: Finally solved with INCA V7.3.7
- #664132 HWC: OffsetCompensation fails in HWC after the raster rate is changed within the experiment environment (EE).
- # 668375 INCA 7.3 export does not work with INCA V7.2 due to invalid font used in VUIs of INCA V7.3.0 to V7.3.2  
 Affected: Exports from INCA V7.3.0 - V7.3.2 to INCA V7.2 are not working if VUIs are used with fonts, which are no longer available on the target computer.  
 The issue is solved with INCA V7.3.3.  
 Workaround for affected Exports:
  - Open experiment in INCA V7.3.3 and save it.
  - Then export it for INCA7 database. This export then works for 7.2 without errors.

### 5.5.5 Bug Fixes and Improvements

- Notes:
  - Some issues are solved with the corresponding INCA – Add-Ons, which are part of the INCA Service Pack (SP) or solved in combination with the current HSP.
  - EHI calls are listed in increasing order

EHI #	Title
450256	EE CSE: Message box missing for new scenario activation when copied from another scenario.
551480	[NetWBID3396986151] System.AggregateException: Mindestens ein Fehler ist aufgetreten.
582199	INCA Inst-Int SDK: ValueChanged Event is not called by Working Page change
597366	INCA minimized windows are placed in another location when another Layer has scroll bars
601585	Signal Name is hidden with "Change Widget To" of Measure Table
603276	COM-API documentation: GetOption / SetOption were extended, however description refers to SP3 as implemented INCA Version
613297	EE: Rescale Axis Pairs Variables accepts values which violates Monotony in Input
615360	[WBID2502741402]Primitive failed in: Object>>#at: due to Index out of range in argument 1
618739	Different behaviour when deleting calibration variables from calibration window (only some are deleted, but not all selected)
618788	ASAP3 Lock window is not working after reinitialisation of ECU
618876	More GDI-objects needed after Windows 10 1809 update. Note: Improved with INCA V7.3.7, less GDI-ojects for calibrations and better performance
625427	ServicePackInstaller: Support of empty Engineering/Custom Add-On Folder for additional Engineering - Add-Ons

<b>626247</b>	[WBID446255601] Primitive failed in: Object>>#at: due to Index out of range in argument 1
<b>630790</b>	No Measurement on VN1640 CAN Port, after connecting other VN-Hardware to the PC
<b>631738</b>	INCA does not support VN5610 and VN5640 with new driver mode "network-based mode". Note: See section "known issues solved with INCA V7.3.7"
<b>632668</b>	Performance DB: Read A2L and Hex is slower by 20% in INCA V7.3.0 compared to V7.2.16
<b>635877</b>	Replace System with ECU devices below the ETH node and SomEIP not working correctly
<b>636120</b>	Extend Safety Advice by Arabic language
<b>640780</b>	Replace System for XCP devices below the ETH node is not working
<b>644414</b>	[WBID1451216939] receiver must be a boolean
<b>650043</b>	INCA: Column ‚Raster‘ is not visible in KeyVariableList
<b>650719</b>	XCPonFLX : Initialization of two XCPonFLX devices (NAX 2 and NAX 5) often fails and measurement is interrupted
<b>651752</b>	[WBID720189516] UndefinedObject does not understand getActionKeys
<b>652032</b>	INCA incorrectly calculates the number of bytes required for group Axis
<b>653643</b>	CDM path settings "Abbrechen" not completely visibel
<b>654133</b>	ETAS License Manager: Notation ACT-ID differ in different dialog windows
<b>654352</b>	Changes to window positions with key combination "Ctrl + Tab" are not applied in the experiment
<b>655987</b>	S19 file is not completely written
<b>656199</b>	CCP SUSPENDEDMODE WrongSession ID: Inca records values directly after CCP Cold Start for Experiment with wrong Session ID
<b>656795</b>	When functions are added to the Key Variable list via VSD, all variables in a function are added with the the Display option "RecordingOnly" same is expected when function is added via labfile
<b>657561</b>	EE: If using Use Context Menu X-Axis -> Edit for Referenced Axis, it possibly looks like that nothing happens
<b>658894</b>	MAX_EVENT_CHANNEL not reflected in VSD for XCP1.0
<b>659687</b>	ES820: Removing the external SSD disk without using the media release button shall not destabilize ES820.
<b>660323</b>	CDM Multi Column: Inline Compare view does not disappear when selecting several labels with CTRL-key
<b>661646</b>	EE: Possibly INCA opens Table Editor in EE but should open Combined Editor
<b>662607</b>	CDM parallel EE: Wrong Button-Text when starting copy action ("%1 all", "%1 highlighted")
<b>662866</b>	ES415_using formula "Non Interpolation tabel" the physical value in the yt-oscilloscope displayed incorrect. Note: Solved, but it might be needed to change something in the formula to correct it and calculate with the corrected formula.
<b>662926</b>	Open EE, open VSD with given project: [NetWBID1971169032] System.InvalidOperationException: Element 'HEGO_flgS2B1Prsnt_C\FETK:1' with ID ID681519947 not found in input XML for VSD
<b>663154</b>	EE: Possibly getting not needed Scrollbar for Z Axes in Cuboids
<b>663301</b>	Big Data : Write description file does not consider include structure correct.
<b>663942</b>	EE: Possible that Context Menu Edit does not work for Axis
<b>664132</b>	HWC: OffsetCompensation fails in HWC after the raster rate is changed within the experiment environment (EE)
<b>664666</b>	[WBID3918700420] UndefinedObject does not understand isComboBoxPoppedDown

<b>664717</b>	File Name, Date Time: Getting file name which ends with AA in case of multiple usage of File Name like messung_ <b>&amp;</b> [MM]- <b>&amp;</b> [dd]- <b>&amp;</b> [yyyy] <b>&amp;</b> [HH]_ <b>&amp;</b> [mm]_ <b>&amp;</b> [ss] and not ending with counter
<b>664786</b>	Filename, DateTime: Getting Counter and not needed <b>_AA</b> as ending for Measure File Names
<b>664856</b>	Replace System for XCP devices below the ETH and CAN Monitoring generates an extra XCP node
<b>664990</b>	INCA VN8910 with VN8970 connected via USB can not find CAN Monitoring
<b>665000</b>	[WBID3089002604] UndefinedObject does not understand do:
<b>665052</b>	INCA-SIP: Cannot Measure DLL Variables from INCA (sporadically)
<b>665276</b>	Arrays are not supported in VSD for ETH-Monitoring
<b>665294</b>	CDM changing view caused system error [WBID1517281708] UndefinedObject does not understand workingDataKey
<b>665346</b>	DB: For "Clear Phys Unit" in Tab Axis Description Undo does not work
<b>665375</b>	Filename, Date Time: Possible to get String in User Option with not allowed characters which leads to unexpected File Name
<b>665538</b>	Replacing of device names leads to invalid calculation methods (solved with INCA V7.3.6). Improved with INCA V7.3.7: If device names are not valid, such signals are greyed out.
<b>665539</b>	Trigger definition invalid, after remapping of device names
<b>665601</b>	In Asap2Editor, Calibration access changes for any axis should always be reflected in values tab.
<b>665733</b>	VSD : Open of existing EE fails in case of many inactive signals
<b>665774</b>	[WBID1609458005] UndefinedObject does not understand isSelected:
<b>666180</b>	File Name, Date Time: INCA works different if old or new Variable is used User Option
<b>666190</b>	File Name, DateTime: Possible that File Name uses no Variable
<b>666488</b>	[WBID814372861] UndefinedObject does not understand isECUTargetDevice
<b>666492</b>	VCan SearchForHardware: After disconnecting a real Vector Device, VCan is not found in SearchForHardware Dialog anymore
<b>666898</b>	ES85x Configuration Tool: Multi-select doesn't work
<b>666922</b>	[WBID2140199755] UndefinedObject does not understand getDevices
<b>667043</b>	Recorder configuration : variable <b>&amp;</b> [PROGRAMDESCRIPTION] is not resolved in preview when <b>&amp;</b> [PROJECT] variable used in file name of recorder configuration.
<b>667256</b>	Cannot load DCM file via API as source file in CDM when path is longer than 256 characters - with INCA manually it works. Note: New error message which says that the path+file is too long.
<b>667414</b>	INCA writes unexactly meta informations in the mf4 file when raster is 1 MHZ and maximum of decimals is 6 for min / max of raster info--> erroneous visualization in TurbLab
<b>667422</b>	API AutosarFolder.RemoveAutosarFileDescriptions Method => [WBID1785981738] UndefinedObject does not understand getContainedItemsByNames:
<b>667458</b>	INCA crashes on ARXML Import with special characters
<b>667465</b>	ES820 SP V7.3.6 Stack: Shutdown to FBS through PSCI Pin is throwing error. Solved with ES820 SP V7.3.7
<b>667484</b>	File Name, Date Time: Unclear behaviour when New Variable are part of old Variable
<b>667630</b>	EE: Unexpected entry in Raster Selection Dialog (of not existing rate) from widget in case of Measure Cals
<b>667674</b>	LowPassFilter function does not accept values between 0 and 1 if language is switched to German on English OS computer

<b>668167</b>	ETAS License Manager: FNE license was shown in online/offline Migration dialog
<b>668168</b>	TrgtSvr Crash closing INCA due to ETK TestDevice
<b>668303</b>	INCA V7.3 does not recognize wrong project assignment and crashes with at experiment opening with [WBID306560295] UndefinedObject does not understand device
<b>668323</b>	Paste Table function of Verbal Conversion Table does not work properly
<b>668332</b>	IPManager default offset start and end addresses from InstallationDefaultSettings.xml are not applied during installation. Note: See also section "known issues solved with INCA V7.3.7"
<b>668334</b>	Network manager does not allow to pre configure the NIC to be used
<b>668337</b>	XETK-Configuration Message for XETK but FETK used
<b>668375</b>	INCA 7.3 export does not work with INCA V7.2 due to invalid font used in VUIs of INCA V7.3.0 to V7.3.2. See also recommendation and workaround in section "solved known issues".
<b>668377</b>	Network Manager opens on no more connected screen
<b>668378</b>	ES8xx: Target Server does not work any more sporadically
<b>668881</b>	Missing translation for Recorder Configuration window
<b>669037</b>	Automatically calculated MEMORY_SEGMENTS include also MEASUREMENTs - use case "Calibration of Measurements" - Option activated in case of an A2L without a MEMORY_SEGMENT. See also known issues solved with V7.3.7.
<b>669263</b>	Recorder Configuration: A few descriptions were not translated to Japanese
<b>669308</b>	ES850: Unexpected sampling rate switching behavior in ES850 Config Tool
<b>669485</b>	Copy & paste of calculated signals is not possible in INCA 7.3.x
<b>669528</b>	WB open CDM and GDI objects are running low. [WBID1790269454] UndefinedObject does not understand items. Solved and hint displayed how to reduce resources.
<b>669565</b>	Arrow for selected ECU im MultiECU pane is shown for unselected ECU
<b>669567</b>	Pin icon is only partially showing in multi ecu pane
<b>669678</b>	XCPonCAN communication Crash with a specific *.a2l
<b>669795</b>	CDM Switch View: [WBID1517281708] UndefinedObject does not understand workingDataKey
<b>670057</b>	ES 820 SP V7.3.6: Function XmlGetConfiguration() for the OutputFileCollection returns wrong SchemaNamespaceURI. Note: Solved with ES 820 SP V7.3.7
<b>670078</b>	ES85x Configuration Tool: Copy multiple fields between two ES850 devices in INCA is not possible
<b>670106</b>	Missing refresh after activating a data set in multi column view
<b>670207</b>	INCA crashes when changing database [WBID557478623] Primitive failed in: String>>#at: due to Index out of range in argument 1
<b>670225</b>	ASAP3: XCPonCan -> Checksum Error blocking ASAP3
<b>670245</b>	[WBID2400874408] UndefinedObject does not understand apiType , Occurs while importing lab file in KVL.
<b>670433</b>	ASAP3 / COM-API: Grouped Devices -> Arrays are not adjusted in both devices
<b>670676</b>	Exception when the variable contains invalid characters for OS path
<b>670931</b>	Unable to use same A2L file as 7.2, Out of Memory Error -assign the A2L to an XETK.
<b>671000</b>	After repair of database some experiments are not visible in database, one is deleted and the other are not visible
<b>671071</b>	Backward compatibility of INCA not given - Port number of CAN-Nodes are changed after import. Note: For details see "Known issues solved with INCA V7.3.7"
<b>671103</b>	INCA shows Database loading error even the Database is almost blank.

<b>671134</b>	Working dataset corrupted after database repair
<b>671694</b>	Add a description of \$variables to the INCA online help
<b>671887</b>	Variables for measurement filename are not self-evident. Note: Documentaion updated.
<b>671888</b>	API Documentation outdated of QuickStart_Enable method
<b>671931</b>	ES85x Configuration Tool: Error when copying 'Cutoff Frequency' or 'Filter Type' to target cell where value is not avialable in combo box
<b>672040</b>	Parameters for calculated signal LowpassFilter cannot be configured correctly
<b>672043</b>	Optimized Export for Driverecorder leads to no more usable project file. Note: Sovled with INCA V7.3.7 but in case the A2L-file has to be read again before triggering the optimized export again.
<b>672126</b>	INCA-VoiceRecorder starts only once
<b>672190</b>	Calculated Signals: Name of missing signal is missing in the error message of calculated signal check
<b>672192</b>	Calculated Signals: Correction of a typo in calculated signals does not work
<b>672265</b>	INCA Trgtsvr crash sometimes after start and stop measure
<b>672325</b>	iLinkRT: SELECT DEVICE: two ECUs receive the same device ID
<b>672364</b>	EE: Possible to get not expected path after saving Output File Properties
<b>672482</b>	COM-API: [WBID874305064] RBTwoDCharTable does not understand setImplValue: -> oCalibrationV.SetImplValue(Value) (grouped Devices)
<b>672483</b>	COM-API: [WBID1075258813] RBOneDCharTable does not understand getXSize -> oCalibrationV.SetDoublePhysValue(Value) (grouped Devices)
<b>672535</b>	COM-API: [WBID4186811460] DEDataCuboid does not understand updateValuesTo: -> oCalibration.SetDoublePhysValue(Value) CUBOID grouped Devices
<b>672712</b>	INCA AddOn ENG-Video 7.3.x: LIMA configuration failed while install AddOn_ENG-Video 7.3.x
<b>672726</b>	Wrong Port number in INCA V7.2 imported from export file which exported by INCA V7.3. Note: For details see "Known issues solved with INCA V7.3.7"
<b>672742</b>	ILinkRT V3 -> ASAP3.exe window crashes if RT3 WRITE CELL VALUES uses 65535 as max index
<b>673010</b>	C++ Redistributable in INCA installation removed (vs_redist_2010)
<b>673181</b>	[WBID59447360] (ExCLDTIndexOutOfRange) Index out of range.: 1
<b>673239</b>	[WBID306560295] ReadWriteStream does not understand skipBackwardsTo: - INCA crash when mapping will be done at start of experiment
<b>673780</b>	Project exports from INCA V7.3.4 to INCA V7.3.6 HF2 are not compatible in INCA V7.2.17 [NetWBID155931239] VisuIT.ASAP2.Parser.Asap2ParserException: Fehler in der Anwendung. A2PARSER_E_REQUESTED_DATA_INVALID
<b>673804</b>	Close ASAP3.exe -> ASAP3 send not the API command "DisconnectFromTool"
<b>673870</b>	"ETAS Licensing Framework doesn't work anymore" error during License Manager V1.8.5.50 Beta installation
<b>674134</b>	Project exports from INCA V7.3.4 to INCA V7.3.6 HF2 are not compatible in INCA V7.2.17

## 5.6 INCA V7.3.6 HF2

### 5.6.1 Recommended Installation

See INCA V7.3.6

### 5.6.2 New Features and enhancements

See INCA V7.3.6.

### 5.6.3 Known issues of INCA V7.3.6 HF2 – Important Hints

See INCA V7.3.6.

### 5.6.4 Known issues solved with INCA V7.3.6 HF2 – Important Hints

See INCA V7.3.6. Additionally the following KIR-issue solved (see also the ETAS Download Page):

#671134 Working database objects corrupted after database repair  
IF  
an Asian OS is used (two byte Char OS, e.g. Japanese, Chinese, Korean, ...)  
AND  
database objects which contain strings are edited or newly created  
or a database repair is executed  
THEN  
these objects are handled and saved incorrectly.  
The result is that these database objects are no longer usable.

Affected INCA Version: V7.3.6 (only)

### 5.6.5 Bug Fixes and Improvements

See INCA V7.3.6. Additionally these duplicated issues are solved with INCA V7.3.6 HF2:

EHI #	Title
<b>671134</b>	Working database objects corrupted after database repair
<b>671000</b>	After repair of database some experiments are not visible in database, one is deleted and the other are not visible. (Solved with #671134)
<b>671103</b>	INCA shows Database loading error even the Database is almost blank. (Solved with #671134)

## 5.7 INCA V7.3.6 HF1

### 5.7.1 Recommended Installation

See INCA V7.3.6



## 5.7.2 New Features and enhancements

See INCA V7.3.6.

## 5.7.3 Known issues of INCA V7.3.6 HF1 – Important Hints

See INCA V7.3.6.

## 5.7.4 Known issues solved with INCA V7.3.6 HF1 – Important Hints

See INCA V7.3.6

## 5.7.5 Bug Fixes and Improvements

See INCA V7.3.6, additionally this issue solved:

This enhancement is only ES820 related. No issue with INCA V7.3.6 (and not published for INCA users)

EHI #	Title
669718	ES820 SP 7.3.6 Shutdown to FBS through PSCI Pin is throwing error

## 5.8 INCA V7.3.6

### 5.8.1 Recommended Installation

It is strongly recommended to update and down date INCA V7.3 (including INCA Add-Ons) only with help of the INCA Service Pack Installer.

**Important:** After the installation, a reboot of the computer system is recommended. With the MSI-installation technology it is more important not to change any files manually otherwise uninstallation or new installation (update) will very likely fail.

### 5.8.2 New Features and enhancements

- All news of the current INCA Service Pack see INCA-V7.3 SP6 Whats-new.pdf.
- Enhancements for ETKs:
  - Improved error message in case of wrong connected FETK
  - Solved issues:
    - #664854 BR\_EXTK-S3.0: Some monitoring variables are inactive in INCA V7.3.x
    - #662647 [XETK-S16/XETK-S22]: Raster check uses JTAG access timing with Supplementary D17 instead of trace access timing
- Support of multiple XCP on FLX devices  
In case multiple XCP on FLX devices are configured in INCA on the same FlexRay bus, the FlexRay bus configuration might define that the FlexRay slots to be used for the XCP commands and responses have to be shared. This might results into conflicts, if both ECUs try to send their XCP responses to INCA at the same time, because FlexRay does not provide a collision detection. INCA now avoids such XCP ECU response conflicts by waiting for an ECU response,

before the next XCP command is sent to any ECU.

Solves call: #664741 Not possible to get measurement from two XCP ECUs over FLX

- #666217 Automatically calculated MEMEORY\_SEGMENTs include also MEASUREMENTs.
  - This issue is solved with INCA V7.3.6 only for the use case if the option "Calibration of Measurements" is deactivated.
  - But the "Calibration of Measurements" - Option shall not be activated in case of an A2L without a MEMORY\_SEGMENT. This will not work!Note: Further improvement is planned with INCA V7.3.7
- #654180 ETAS License Manager: How to find out the Act-ID of the customer license when the enduser didn't know it ->needed to logon into FNO portal for offline return  
This issue is improved with INCA V7.3 SP6 ETAS License Manager V1.8.4.  
An (optional) additional column was introduced in the License Manager GUI to display the ActivationID.  
There is also a new menu entry (right click on selected rows) to copy the ActivationID(s) into clipboard.

### 5.8.3 Known issues of INCA V7.3.6 – Important Hints

- #662199 ES850: Negative timestamps of the first measurements at the begin is possible  
INCA requests the Time Stamp for the measurements on ES850 before the measurement is started. As soon the measurement starts, INCA does a time correlation, which should present a negative time stamp for the first recording measurements.
- #666217 Automatically calculated MEMEORY\_SEGMENTs include also MEASUREMENTs.
  - This issue is solved with INCA V7.3.6 only for the use case if the option "Calibration of Measurements" is deactivated.
  - But the "Calibration of Measurements" - Option shall not be activated in case of an A2L without a MEMORY\_SEGMENT. This will not work!Note: Further improvement is planned with INCA V7.3.7
- #664132 HWC: OffsetCompensation fails in HWC after the raster rate is changed within the experiment environment (EE).
- #631738 INCA does not support VN5610 and VN5640 with new driver mode "network-based mode"  
INCA supports only the old "Channel-based mode(legacy)"
- Known issue with *64Bit Integer Support*
  - IF
  - calibration is done in the INCA experiment or CDM
  - AND
  - a parameter of type 64Bit Integer is used
  - AND
  - the parameter holds a value that needs more than 52 bits for representation
  - AND
  - the user changes the values
  - AND
  - uses afterwards 'undo'
  - THEN

INCA does the 'undo' with the physical representation of the former value. The result is a 'casted' value that has less precision as the original former value.

#### 5.8.4 Known issues solved with INCA V7.3.6 – Important Hints

- #668580 XETK/FETK: Checksum are shown as 0x0 in MPM in case of ACC failed and calibration might be possible  
In case of failed ACC (Advanced Code Check) the error dialog offers two possibilities: Cancel and Continue.  
With Continue the memory page manager is raised w/o further ECU access in order to flash the ECU. Now the checksums are not calculated and the default values 0x0 are shown for RP, WP and code.  
INCA considers the 0x0 as valid and equal checksums and allows download working page and calibration, even if the ECU was not flashed.  
Affected is INCA V7.3.5.  
Solved with INCA V7.3.6

#### 5.8.5 Bug Fixes and Improvements

- Notes:
  - Some issues are solved with the corresponding INCA – Add-Ons, which are part of the INCA Service Pack (SP) or solved in combination with the current HSP.
  - EHI calls are listed in increasing order

EHI #	Title
419970	INCA overwrites zipped logfiles.
521429	"[WBID4283880068] Primitive failed in: Object>>#at: due to Index out of range in argument 1" when empty CSE change widget to YT osci in VSD
596943	INCA-EIP V7.2: INCA COM API UploadWorkbase with ETarget does not update the checksum - and finally fail.
602465	Copy variable from one oscilloscope to another should keep the properties
609899	Background recoder create measure files with .UNDEF_EXT
612820	FlexRay - Changing parameters at FlexRay-System does not trigger "Project re-assignment" of children
635274	ProF: Installation of the first ProF configuration from the USB stick is not possible
642715	UDSonCAN : INCA fails if signals are configured for multi raster and one of the raster is disabled at runtime
643736	Irrelevant error message by ProF installation
646246	ODX-LINK: Input multi-byte charactor caused sysem crash.
647751	Huge delay when opening experiments which contain HWI.DK/OHI devices with many signals. Note: Improved the corresponding project from 63,5 Sec. to 4.5 Sec.
650766	Not possible to find IPETRONIK modules using BOA V2.28 (x86). Note: Solved with BOA V2.29 (x86)
652031	INCA incorrectly calculates the number of bytes required for memory segment (without memory segment in the A2L-file)
653661	ASAP2Editor: For changes in Tab Axis Description Undo/Redo not possible

<b>654122</b>	ETAS License Manager: Confirmation windows differ in Offline Return and Offline Migration procedures
<b>654180</b>	ETAS License Manager: How to find out the Act-ID of the customer license when the enduser didn't know it ->needed to logon into FNO portal for offline return
<b>654303</b>	Recording Date & Time for mf3 measure file not correct (Wrong Start-time is written)
<b>655573</b>	Removed matrix calibrations are still visible in VSD
<b>655996</b>	CDM: Setting to display "device name" in CDM does not work
<b>656002</b>	Process Point and Measure Label does not show same value
<b>656055</b>	Copy in CDM takes very long. Progressbar improved.
<b>656616</b>	INCA repair aborts with an error message if the IPM_DEFAULT_OFFSET_START parameter was set in the InstallationDefaultSettings.xml
<b>657439</b>	EE: Context Menu and Hotkey should work in same way for Label using Curve Axis
<b>657541</b>	INCA changes the FETK Port and writes data into the wrong ECU
<b>657559</b>	EE: Only one Measure File is created if Recorder and Background Recorder using same File Path and File Name
<b>657845</b>	CDM: VSD shows wrong Icon for Label in OFFLINE Segment
<b>657968</b>	EE: Possible to get wrong Inactive Icon on Layer after removing widget
<b>658218</b>	INCA Import of 64bit EE not possible if export option is set to INCA 7 Database
<b>658495</b>	SOME/IP : SOME-IP creates all signal names for all Physical-Ethernet-Channel in the SOME-IP Cluster - even if the variant is not valid
<b>658814</b>	CaliAccess: Possible that Change Marker does not work
<b>659037</b>	ServicePackInstaller: Unhandled exception if SP with MDA & MDA Add-On is installed.
<b>659073</b>	Cannot assign Ipetronik modules as output for ES930
<b>659216</b>	Missing error message during checksum calculation when using wrong block size
<b>659223</b>	Changed export file format is reset after restarting INCA
<b>660322</b>	Context sensitive help link does not work
<b>660355</b>	Single Pointer Calibration depends on serial device. GETK-MC is not a serial device. But in Inca you can only use single pointer calibration together with serial devices.
<b>660407</b>	In the "About Variable" window the A2L text is incorrectly rendered
<b>660531</b>	INCA-SIP: Cannot calibrate values of Simulink.Parameter and Workspace variables in Rapid Accelerated mode
<b>660613</b>	IP Manager: Error message in INCA Monitor Window: "Undefined Interface Instance"
<b>661063</b>	Sporadical Target Server Crash
<b>661159</b>	CaliAccess: Possibly getting unexpected Message Box when using Hotkey for NO_CALIBRATION Axis
<b>661197</b>	EE: Odd graphical representation from Source Tree in VSD using Scale 125% and Big Fonts
<b>661641</b>	COM_API : MultipleAutosarFileContainer [WBID290121514] [WBID4045083203] [WBID905774473]
<b>661739</b>	INCA-SIP: Error when we start 'Connect to INCA' with the customer's model in Accelerator mode
<b>661976</b>	Low Performance when opening an experiment the first time after starting INCA.
<b>662616</b>	INCA API: FlashHexFileWithControlFlow does not work with corresponding ProfKonfig

<b>662620</b>	Calibration Access: Labels doesn't get updated when keyword CALIBRATION_ACCESS is changed to NOT_IN_MCD_SYSTEM
<b>662625</b>	Temporary WB with adaptive curves [WBID3816200632] Primitive failed in: ByteArray>>#uint8At:put: due to Invalid class in argument 2
<b>662647</b>	[XETK-S16/XETK-S22]: Raster check uses JTAG access timing with Supplementary D17 instead of trace access timing
<b>662673</b>	CaliAccess: Possible that change from CALIBRATION_ACCESS from Axis in ASAP2 Editor does not work
<b>662701</b>	EE: Possibly getting WB ([NetWBID2456242161] System.ObjectDisposedException: Cannot access a disposed object.) after Copy and Paste from Backgroundrecorder after some actions
<b>662710</b>	Sporadic [WBID2903626611] An exception has occurred: UndefinedObject does not understand getMenu
<b>662802</b>	INCA-Touch V7.3.5: Import caused system down.
<b>662932</b>	During the measurement, pause recording and resume recording API are invoked. Target server crash is seen sporadically when this action is repeated often.
<b>662998</b>	Targets windows list is not sorted for moving/copying a calibrations
<b>663003</b>	VDS showed wrong function name and its structure in case of double byte coded languages. Solved in INCA V7.3.6 but A2L has to be read again to fix it.
<b>663010</b>	[WBID1037920500] Opening an experimental file containing a scenario config with a specific name causes a system error.
<b>663064</b>	Tab Sequence position is lost when the focus is moved from one input item (Textbox, Button) to another in ASAP2Editor.
<b>663102</b>	Selected rasters in VSD can not be deselected with mouse click
<b>663156</b>	EE: Possible that Undo does not work for all Axes if label uses 2 time same Com Axis
<b>663184</b>	[WBID3899565077] UndefinedObject does not understand mult - Import of key variable list crashes INCA
<b>663287</b>	Recording with calculated signals might fail in case of multiple devices
<b>663331</b>	MDA : fail to open XDA with Calculated Signal using the same signal from 2 devices but trigger only on one. Solved with MDA V8.5.6
<b>663357</b>	INCA doesn't read character code in character string in dbc file
<b>663400</b>	ASAP3 window shuts at SET DAQ POINTER command (iLinkRT V2) for second DAQ. Note: Already solved with INCA V7.3.5
<b>663613</b>	CDM Setting "Show device name" does not work properly
<b>663770</b>	DB: Getting wb ([WBID620330766] UndefinedObject does not understand deferRedraw:) after using Collapse All after some other actions
<b>663839</b>	INCA V7.3. ASAP3.exe uses over 30% of CPU resources.
<b>663844</b>	ASAP3 Execution stops with Dialog box
<b>663927</b>	EE: Possibly getting unexpected Message Box after using Reset To Ref Page Value
<b>664248</b>	ES820.1: Feature "Support of 2nd INCA master on the network" (V7.2.15) does not work with V7.3.5
<b>664399</b>	WB ([WBID22959675] ASAP2BytesStdAxisDescription does not understand updateCalibrationAccessStateOnCalibrationObject) when changing Access in ASAP2 Editor
<b>664454</b>	DB: After changing Icon Size the Icons from 3 Experiment are not any longer visible
<b>664485</b>	RT_GET_AVAILABLE_MEASUREMENTS / CHARACTERISTICS Request to actually get the measurement names, INCA won't answer in case of large project (here ~11000 Measurements)

<b>664553</b>	XETK/FETK failing use case with the ASAP3 Mode detection after latest modifications
<b>664741</b>	Not possible to get measurement from two XCP ECUs over FLX
<b>664807</b>	INCA Crash with dmp file if customer create an calculated signal, if signal name is not matching naming convention
<b>664854</b>	BR_EXTK-S3.0: Some monitoring variables are inactive in INCA V7.3.x
<b>664929</b>	CDM shows wrong value (from another label) for calibrations due to GUI update issue. Workaround: Change column size to update GUI
<b>664957</b>	INCA ASAP3 Connect Information not overtaken
<b>665373</b>	INCA-CANTransmit does not work with DBC files with CAN extended option
<b>665486</b>	DB: [WBID1217843348] UndefinedObject does not understand background - after selecting other labels after changing Ref Axis CALIBRATION_ACCESS
<b>665538</b>	Replacing of device names leads to invalid calculation methods. Improved with INCA V7.3.6 (behavior is now same like former versions. Further improvements planned)
<b>665642</b>	Add AUTOSAR file to container - weird behavior when trying to add a erroneous AUTOSAR file again and again
<b>665781</b>	EE: WB([WBID3997169402] Primitive failed in: EtasWrapper>>#abtPrimHashInt:seed: due to OS error126) when closing VSD after activation from Calibration from Measurement
<b>665828</b>	CDM: Process points on Y-AXIS did not follow both MONOTONY and limit
<b>665969</b>	HWC tree updates slowly when Hardware status window is open. Performance improved substantially.
<b>665971</b>	Vector vCAN missing CAN devices in SFH (search for hardware) result
<b>666068</b>	Problem mit der Prüfsummenberechnung in INCA V7.3.5 mit BR_EXTK-S3.0
<b>666188</b>	After using the INCA Experiment without a connection to the hardware, there are problems with the initialization of HW
<b>666191</b>	EE Possible that EE is hanging and not any longer possible to close after "Discard" Recording
<b>666202</b>	Recorder doesn't start. Solved with #667013
<b>666217</b>	Automatically calculated MEMEORY_SEGMENTS include also MEASUREMENTs.
<b>666411</b>	ETAS License Manager: Grace Mode for INCA Add-On CANTransmit does not work
<b>666490</b>	Parallel FLX-Monitoring and XCPonFLX-Connect not possible
<b>666498</b>	ETK Tools: Scripted xct file generation does not work as expected
<b>666672</b>	DBC file cannot be read into INCA 7.3. (V7.2.17 works)
<b>666834</b>	DB: Possible that from INCA created A2L could not added again in case of combination of XCP ( memorySegments defined in a2l ) and opening the a2l editor
<b>667013</b>	Recorder cannot be started after ASAP3-Disconnection
<b>667115</b>	CDM copying axis value but failing to update linked map
<b>667207</b>	INCA removes datesets in database when from imported file ASAP2-editor or HWC will be opened. Note: Exp. file corrupted which needs repair.
<b>667777</b>	INCA-Touch: Activated FNE license was not shown LiMa
<b>668580</b>	Checksum are shown as 0x0 in MPM in case of ACC failed and calibration might be possible

## 5.9 [INCA V7.3.5 HF2](#)

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### 5.9.1 [Recommended Installation](#)

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See INCA V7.3.5

### 5.9.2 [New Features and enhancements](#)

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See INCA V7.3.5.

### 5.9.3 [Known issues of INCA V7.3.5 HF2 – Important Hints](#)

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See INCA V7.3.5.

### 5.9.4 [Known issues solved with INCA V7.3.5 HF2 – Important Hints](#)

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See INCA V7.3.5

### 5.9.5 [Bug Fixes and Improvements](#)

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See INCA V7.3.5, additionally this issue solved:

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EHI #	Title
664929	CDM shows wrong value (from another label) for calibrations due to GUI update issue. Workaround: Change column size to update GUI

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## 5.10 [INCA V7.3.5 HF1](#)

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### 5.10.1 [Recommended Installation](#)

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See INCA V7.3.5

### 5.10.2 [New Features and enhancements](#)

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See INCA V7.3.5.

### 5.10.3 [Known issues of INCA V7.3.5 HF1 – Important Hints](#)

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See INCA V7.3.5.

### 5.10.4 [Known issues solved with INCA V7.3.5 HF1 – Important Hints](#)

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See INCA V7.3.5

### 5.10.5 [Bug Fixes and Improvements](#)

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See INCA V7.3.5, additionally this issue solved:

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EHI #	Title
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**663844** ASAP3 Execution stops with Dialog box

## 5.11 INCA V7.3.5

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### 5.11.1 Recommended Installation

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It is strongly recommended to update and down date INCA V7.3 (including INCA Add-Ons) only with help of the INCA Service Pack Installer.

**Important:** After the installation, a reboot of the computer system is recommended. With the MSI-installation technology it is more important not to change any files manually otherwise uninstallation or new installation (update) will very likely fail.

### 5.11.2 New Features and enhancements

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- All news of the current INCA Service Pack see INCA-V7.3 SP5 Whats-new.pdf.

### 5.11.3 Known issues of INCA V7.3.5 – Important Hints

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- #631738 INCA does not support VN5610 and VN5640 with new driver mode "network-based mode"  
INCA supports only the old "Channel-based mode(legacy)"
- Known issue with *64Bit Integer Support*  
IF  
calibration is done in the INCA experiment or CDM  
AND  
a parameter of type 64Bit Integer is used  
AND  
the parameter holds a value that needs more than 52 bits for representation  
AND  
the user changes the values  
AND  
uses afterwards 'undo'  
THEN  
INCA does the 'undo' with the physical representation of the former value. The result is a 'casted' value that has less precision as the original former value.

### 5.11.4 Known issues solved with INCA V7.3.5 – Important Hints

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- Important hint to new feature with INCA V7.3 *Ethernet/SOME\_IP Monitoring on local network cards*  
INCA supports local network cards for Some/IP and Ethernet monitoring interface. To receive Jumbo frames or VLAN tagged frames additional network card specific setting could be needed. Network cards with not unique MAC address will be ignored (e.g. virtual network loop back adapter). Also network cards with DHCP IP address will be ignored.  
This feature prerequisites the manual installation of WinPcap V4.1.3. The installation is located in the INCA V7.3 Service Pack or DVD in folder [\Tools\WinPcap](#)



Note: Solved with INCA V7.3.5. The manual installation removed and replaced by an automatic installation. Additionally it is possible to configure the installation of Npcap within the [00\\_Prod\\_INCA\\_735\\_x64/InstallationDefaultSettings.xml](#).

```
<Package
  ID="3rdParty NpcapOEM"
  displayName="Npcap OEM">
  <CustomParameters>
    <Variable
      name="InstallNpcap"
      defaultValue="true"
      validation="none"
      description="When set to true npcap will be installed, otherwise npcap
        installation will be disabled" />
    </CustomParameters>
  </Package>
```

- #660019 Export of workspace with FLX project cannot be used in former INCA version  
 Due to an important improvement in INCA V7.3.4 for the *Call 589697: Autosar2A2LConverter: FlexRay cluster filtering doesn't work correctly* it was necessary to change the internal data model of the FlexRay-Monitoring Device.  
 Due to this change, the FlexRay part of exports from INCA V7.3.4 and higher are not compatible with INCA V7.3.3 and lower. If imported in INCA V7.3.3 and EE or HWC opened, then the FlexRay signals will be removed without a warning.  
 With INCA V7.3.5 an improved handling was implemented, which leads to a warning in INCA V7.3.3 and lower that FlexRay part is not compatible.

### 5.11.5 Bug Fixes and Improvements

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- Notes:
  - Some issues are solved with the corresponding INCA – Add-Ons, which are part of the INCA Service Pack (SP) or solved in combination with the current HSP.
  - EHI calls are listed in increasing order

EHI #	Title
308306	EE: Different behavior after used Calculated Signal was deleted in the EE or via VSD
550456	Curious phantomwindow avoid closing EE
555147	EE, DisplayConfiguration: The variables displayed in EE display configuration tab is not in sync with Variable selection tab.
561646	1 x [WBID306560295] UndefinedObject does not understand isCANController
575741	INCA V7.2: 'Confirm Delete' of EE-Layers in the Variable configuration dialog: Dialog is not visible completely
581210	[NetWBID2014982987] System.NullReferenceException: Object reference not set to an instance of an object
587044	AddressOverlap: Possible after some Cancel action the canceling is not any longer possible
588717	Messliste - selected group of variables not supported by drag & drop if at least one variable is part of the messliste (measure table)

<b>593532</b>	Bitmask in Calibration and Measurementwindow is not enlarging when enlarge the window
<b>594530</b>	[NetWBID324319256]System.NullReferenceException: Der Objektverweis wurde nicht auf eine Objektinstanz festgelegt.
<b>597055</b>	VSD Raster Pre-Selection is very slow. Improved by factor 2.
<b>597700</b>	INCA Crash during copying/moving the measured variables from layer to layer in the Display Configuration pane: [NetWBID1245943360] System.ArgumentException: An item with the same key has already been added.
<b>602438</b>	VSD: Variable containers are sorted based on Type when Name column is selected
<b>603294</b>	VSD: Title sorting is done in incorrect order
<b>605811</b>	[NetWBID1225564338] System.ArgumentException: Timestamps do not fit pixel offset from previous calls. Previous: 0 now: 400000000
<b>606653</b>	VSD: Function Filter does not work
<b>610155</b>	[NetWBID2980362903] System.ArgumentException: The signalValueAccess is null or disposed. Parametername: signalValueAccess
<b>617217</b>	ACC Cancel does not skip ECU initialization
<b>618788</b>	ASAP3 Lock window is not working after reinitialisation of ECU
<b>619007</b>	[NetWBID4188582023] System.ArgumentOutOfRangeException: Das angegebene Argument liegt außerhalb des gültigen WertebereichsExperiment_Read or write hexfile if measurement name contains [1..1]
<b>625171</b>	[WBID2760800977] UndefinedObject does not understand items
<b>626625</b>	[WBID3421345940] UndefinedObject does not understand title
<b>626792</b>	[WBID1721526122] UndefinedObject does not understand isManaged
<b>632716</b>	Memory Page Window display get something wrong after Flash Programming without Clibration ascess enabled
<b>633926</b>	VSD, Grouped Differences: [NetWBID224214279] System.NullReferenceException: Object reference not set to an instance of an object.
<b>636647</b>	Ethernet/SOME_IP Monitoring on local network cards
<b>637005</b>	EE: After reopen EE with reactivated label order in Calibration Widget is changed
<b>638978</b>	EE: Axis in Graphical Area shows value is Hex and not in Dec for VTab Range Label
<b>643333</b>	ACC improvement does not work as expected: The ECU is completely initialized, this can lead to an error when subsequently the ECU flashing is started.
<b>643853</b>	Calculated Signal was not exported in multi-byte path. No error message shown.
<b>643930</b>	ETK Tools: No possibility to configure "Overload error behavior" for XETK in XCT
<b>647046</b>	ODX-Link: 32bit addressing did not work
<b>648135</b>	Wrong warning (translation in user interface) in CDM by copying a cuboid from a CDFX file into a s19 file
<b>649028</b>	Calculated Signals: GUI Text is partially missing on a button of calculation signal window
<b>649049</b>	After EXIT of ASAP3/API the ProF flow procedure runs in ASAP3 mode (supresses all message boxes)
<b>649593</b>	INCA-ODX: Title of Data Logging Configuration Window not translated
<b>650056</b>	ES830 cannot start with ES930 for bypass and ES415 for INCA measurement
<b>650089</b>	ES830: ES830 on Flexray RP Parallel MC after restart not possible

<b>650096</b>	Multiple Autosar File Container : Write -> AUTOSAR... - suggested *.zip file name is strange. Expected is name of ZIP.
<b>650099</b>	MultipleAutosarFileContainer : Write -> AUTOSAR ... - irrelevant info in INCA_Monitor.log window
<b>650115</b>	Replace FIBEX file for Flexray monitoring with a different one for XCPonFLX fails
<b>650118</b>	LDF (LIN): Replace fails and shows a wrong error message
<b>650183</b>	Replace DBC (CAN) files works worse than with A2L files - default path is only updated with "add" but not with "replace"
<b>650201</b>	J1939 (DBC) : Replace J1939 -DBC file for J1939 monitoring fails and shows a wrong error message if filename is different
<b>650593</b>	EE: Shift-Down selects only 2 Labels in VSD EE Tree
<b>650711</b>	ODX AddOn uses outdated device in the ODX example workspace (ES581.3)
<b>651237</b>	INCA Snapshot Max permission file size setting does not exist in the snapshot setting field
<b>651562</b>	Signal representation in second PDU missing
<b>651648</b>	Ethernet Monitoring Signal not visible: INCA cannot measure Ethernet-Monitoring or SOME/IP signals if the AUTOSAR files does not define a UDP port for the corresponding channels
<b>651867</b>	ODX: Snapshot content for "append" mode do not working
<b>652444</b>	INCA freezes during ECU project creation
<b>652559</b>	Rendering issues in DB Browser after change display scaling. Project or hardware list might be no longer displayed properly.
<b>652561</b>	Not possible to remove inactive variable from some Experiments
<b>652796</b>	When system error appears the corresponding text is not completely visible
<b>652929</b>	ETK T2.2 - Walk Back [WBID3195182827] --UndefinedObject does not understand device -- occurs while initializing hardware with specific A2L
<b>652982</b>	DB: Paste from CSE partly not possible in 3 Experiment Elements
<b>653205</b>	INCA V7.3: Database limited to 4 GByte but 64bit DB is in use - after import of a V7.2 Export and following DB Repair.
<b>653269</b>	INCA Menu "Contents and Index" opens in "Index" tab - but should better open in the "Contents" tab
<b>653406</b>	EE: Possibly Rasters in Var Config Tab not changeable
<b>653514</b>	Multiple Autosar Files: PDU clusters are deleted when specification file is added to Autosar file extract
<b>653516</b>	Online Help ETAS Network Manager outdated
<b>653525</b>	INCA-CANTransmit: COMPU_VTAB_RANGE Variables are not overtaken into DBC Generator. Note: New API with INCA V7.3.5.
<b>653543</b>	EE: Zoom to fit does not work for Osci using Int64 labels
<b>653604</b>	EE: Possible that Label is reactivated on wrong Layer if done via KVL
<b>654063</b>	Grouping disabled when opening Hardware Configuration from EE. Grouping is possible via Mouse or keys, but changing the cluster name or the leading device is not possible, if an EE or a CDM (from an EE) is open. Tooltip added as well.
<b>654295</b>	ETAS License Manager: Online Migration / Offline Migration: Japanese text was not shown
<b>654365</b>	ETAS License Manager: Opening dialogs took over a min
<b>654447</b>	EE: Possible that deactivated label is wrongly active again after save, close and reopen from EE
<b>654448</b>	EE: Save EE with many inactive labels is very slow (aborted after one hour)
<b>654626</b>	LiMa v1.8.1: Offline activation failed. The online/offline activation did not work, because it is a FNP (classic) license type.

<b>654774</b>	CDM: Possible getting different results when making CDMCompare 2 times (wrong number of errors)
<b>654788</b>	[WBID931622758] MCSDSMErrorGeneration does not understand isDeviceGroupCompatibleTo
<b>654954</b>	IP-Neuzuweisung description wrong in online help
<b>654958</b>	INCA export of EE (layer) has same size as exp itself. Note: With INCA V7.3.5 improved by factor.
<b>655118</b>	Adding an AUTOSAR .zip container does not work as expected. Note: For INCA V7.3 SP5 prevent adding compressed files. Adding Zip-files functionality is planned with an upcoming SP.
<b>655128</b>	KL15 signal is not visible in ETH-Mon when another signal added to EE. Note: Already solved with INCA V7.3.3
<b>655186</b>	Raster fill level shows wrong color for FETKS
<b>655322</b>	Acquisition problem 64-bit length FLX signals. Note: AUTOSAR file corrected/updated.
<b>655495</b>	SOME/IP Hardware Initialization Error: INCA cannot measure Ethernet-Monitoring or SOME/IP signals if the AUTOSAR files does not define a UDP port for the corresponding channels.
<b>655814</b>	EE: Possibly getting empty entry in EE Tree from VSD
<b>655914</b>	EE: Getting WB([WBID813805516] EtasMemCombinedCalibrationWidget does not understand resetHeadings) when using Edit -> Select all Values for BLOB
<b>655919</b>	EE: Remove variable does not work for BLOB
<b>655922</b>	CDM Compare: Too many entrys in CDM_ERR.LAB
<b>655983</b>	Autosar Single Pointer "Automatic Reconfigure" does not work as expected ('Online calibration not possible..')
<b>655992</b>	CDM Compare: To many entrys in CDM_ERR.LAB
<b>656010</b>	Resource leak in Measure Window Right Click Action
<b>656021</b>	INCA change channel name of ES4xx Module with "shift + M" opens OPEN Dialog
<b>656195</b>	MPM, CCP: Walkback during UPLOAD without MEMORY_SEGMENT
<b>656393</b>	INCA freezes by attempt to add a BP calibrations map or curve
<b>656581</b>	Keyword MONOTONY NOT_MON of AXIS of MAP does not work
<b>656598</b>	Help text for (F/X)ETK parameter weird
<b>656632</b>	[NetWBID696086427] System.Runtime.InteropServices.ExternalException: Der angeforderte Clipboard-Vorgang war nicht erfolgreich.
<b>656704</b>	EE: Possibly getting wb ([WBID3317290831] DEDataBlob does not understand atomicCheckMonotony:andSetFrom:to:withIndexDo:) after Undo for BLOB
<b>656746</b>	Defining the EPK in OFFLINE_DATA ROM makes the EPK inaccessible form INCA DB in MPM
<b>657140</b>	XETK configuration does not match. Different interpretation of the same A2L between INCA V7.2 and V7.3
<b>657209</b>	INCA V7.2: Measurement can not be stopped with API command and following communication failure. Note: Solved with INCA V7.3.0ff.
<b>657210</b>	EE: Possible that it is not any longer possible to make label inactive
<b>657220</b>	[WBID3892039228] Walkback when Adding VTAB label to existing Combined Editor
<b>657347</b>	CDM: Possibly getting wb ([WBID2045968444] ASAP2Function does not understand calibrationAccess) when try to open CDMConfig
<b>657541</b>	INCA changes the FETK Port and writes data into the wrong ECU
<b>657647</b>	CCP COM API: Reading A2I+XML Dataset via API only imports A2L File, but not the Dataset

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<b>657814</b>	INCA V7.2 database migration into INCA V7.3 SP3 failed if Database objects contains A2L with include files (XCP1.0 (only old Projects with INCA V5.2 or former)), ODX or ECU Docu might be affected)
<b>657841</b>	
<b>657856</b>	developer call
<b>658114</b>	ETAS License Manager create a logfile path in a undesirable area.
<b>658211</b>	HWC: After pressing Enter in Add HW Device Dialog first entry in list is selected and not as expected Ok button triggered
<b>658402</b>	CDM can not connect DCM and A2L if Unit is not the same
<b>658403</b>	CDM can not connect DCM and A2L if variable does not contain in A2L file
<b>658404</b>	CDM can not connect DCM and A2L if Variable is in Wrong Memory Segment
<b>658406</b>	[WBID3967379646] MCSDSMErrorGeneration does not understand isDataEnumeration if in CDM Variables in wrong Memory Segment will be edit
<b>658414</b>	CDM not possible to connect A2L file to DCM
<b>658471</b>	CDM: Wrong Action Name in CDM Error Files. "Compare" instead of "List all".
<b>658733</b>	A2L file with SERAM memory type can not be used for FETK projects
<b>658902</b>	Unable to import arxml in INCA 7.3.3
<b>658920</b>	INCA-SIP: Not possible to calibrate SIPDIIDemo project. DIIDemo Error: The memory location is not accessible.
<b>659218</b>	Walkback for Cuboid at Process Point calculation
<b>659279</b>	EE: WB([WBID3077853104] ) when try to make calibration Action for Rescale Axis Pairs in Customer Instrument
<b>659517</b>	INCA Targetserver crash after reinit
<b>659649</b>	MDF4 placing "Time source Block" on wrong position in HD block
<b>659763</b>	RAMCal Feature doesn't work as expected
<b>659786</b>	MCD 3MC 1.0.1, MCD 3MC 2 und ASAP3 ignor option "Use hard bound limitation"
<b>659817</b>	Startup dialog covers query for import of user settings
<b>659863</b>	INCA online help improving regarding the description in the user options for write index to measure file
<b>659938</b>	[WBID4222947457] MCSFileASAP2DataElementManager does not understand allChildren : Observed while reimporting same experiment
<b>659953</b>	AUTOSAR Converter: Duplicated Ethernet channels in merged result
<b>660019</b>	Export of workspace with FLX project cannot be used in former INCA version
<b>660176</b>	ES4xx - Import of measurement schemes: Declaration line shall be evaluated
<b>660228</b>	EE: Background color for Axis in Comb Editor indicates sometimes that it is possible to edit Axis Values but this is not possible
<b>660485</b>	DOIP FreeRunningMode Measurement: INCA mixes TARGET_ADDRESS and SOURCE_ADDRESS
<b>660656</b>	SOME/IP Monitoring - Exception in Signal Extraction configuration is not caught
<b>660721</b>	All signals are removed from INCA-EE during first start of EE after COPY action in CDM
<b>660811</b>	Wrong byte order for RAMCAL with FETK. Recommendation: Change A2L
<b>660850</b>	SOME/IP Hardware Initialization Error: INCA cannot measure Ethernet-Monitoring or SOME/IP signals if the AUTOSAR files does not define a UDP port for the corresponding channels.
<b>661166</b>	VN8972 Integration: Only 1 FLX-Device possible
<b>661169</b>	VN8972 Integration: CAN-Device is deleted after multiple system replacing
<b>661892</b>	[WBID124679187] UndefinedObject does not understand createInterfaceOptionEntriesWithTypeReferencesForSystem:interfaces: at replace system (ES582 vs. ES891)

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**661976** Low Performance when opening an experiment the first time after starting INCA.

## 5.12 INCA V7.3.4 HF1

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### 5.12.1 Recommended Installation

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See INCA V7.3.4

### 5.12.2 New Features and enhancements

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See INCA V7.3.4.

New enhancement with INCA V7.3.4 HF1:

INCA cannot measure Ethernet-Monitoring or SOME/IP signals of an AUTOSAR description file, if the AUTOSAR files does not define a UDP port for the corresponding channels, because the port is dynamically assigned in the Vehicle.

This issue has been fixed. Signals without port definition can now be measured in INCA.

Solves Calls:

- #651648 Ethernet Monitoring Signal not visible: INCA cannot measure Ethernet-Monitoring or SOME/IP signals if the AUTOSAR files does not define a UDP port for the corresponding channels
- 655495 SOME/IP Hardware Initialization Error: INCA cannot measure Ethernet-Monitoring or SOME/IP signals if the AUTOSAR files does not define a UDP port for the corresponding channels.

### 5.12.3 Known issues of INCA V7.3.4 HF1 – Important Hints

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See INCA V7.3.4 additionally:

#660019 Export of workspace with FLX project cannot be used in former INCA version

Due to an important improvement in INCA V7.3.4 for the  
*Call 589697: Autosar2A2LConverter: FlexRay cluster filtering doesn't work correctly*  
it was necessary to change the internal data model of the FlexRay-Monitoring Device.

Due to this change, the FlexRay part of exports from INCA V7.3.4 and higher are not compatible with INCA V7.3.3 and lower. If imported in INCA V7.3.3 and EE or HWC opened, then the FlexRay signals will be removed without a warning.

With INCA V7.3.5 an improved handling will be implemented, which leads to a warning in INCA V7.3.3 and lower that FlexRay part is not compatible.

### 5.12.4 Known issues solved with INCA V7.3.4 HF1 – Important Hints

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See INCA V7.3.4

### 5.12.5 Bug Fixes and Improvements

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See INCA V7.3.4, additionally these (duplicated) issues are solved:

EHI #	Title
657814	INCA V7.2 database migration into INCA V7.3 SP3 failed if Database objects contains A2L with include files (XCP1.0 (only old Projects with INCA V5.2 or former)), ODX or ECU Docu might be affected)
651648	Ethernet Monitoring Signal not visible: INCA cannot measure Ethernet-Monitoring or SOME/IP signals if the AUTOSAR files does not define a UDP port for the corresponding channels
655495	SOME/IP Hardware Initialization Error: INCA cannot measure Ethernet-Monitoring or SOME/IP signals if the AUTOSAR files does not define a UDP port for the corresponding channels.

## 5.13 INCA V7.3.4

### 5.13.1 Recommended Installation

It is strongly recommended to update and down date INCA V7.3 (including INCA Add-Ons) only with help of the INCA Service Pack Installer.

**Important:** After the installation, a reboot of the computer system is recommended. With the MSI-installation technology it is more important not to change any files manually otherwise uninstallation or new installation (update) will very likely fail.

### 5.13.2 New Features and enhancements

- All news of the current INCA Service Pack see INCA-V7.3 SP4 Whats-new.pdf.

### 5.13.3 Known issues of INCA V7.3.4 – Important Hints

- Important hint to new feature with INCA V7.3 *Ethernet/SOME\_IP Monitoring on local network cards*  
INCA supports local network cards for Some/IP and Ethernet monitoring interface. To receive Jumbo frames or VLAN tagged frames additional network card specific setting could be needed. Network cards with not unique MAC address will be ignored (e.g. virtual network loop back adapter). Also network cards with DHCP IP address will be ignored.  
This feature prerequisites the manual installation of WinPcap V4.1.3. The installation is located in the INCA V7.3 Service Pack or DVD in folder **\Tools\WinPcap**
- #631738 INCA does not support VN5610 and VN5640 with new driver mode "network-based mode"  
INCA supports only the old "Channel-based mode(legacy)"
- Known issue with *64Bit Integer Support*  
IF  
calibration is done in the INCA experiment or CDM  
AND  
a parameter of type 64Bit Integer is used  
AND  
the parameter holds a value that needs more than 52 bits for representation  
AND

the user changes the values  
AND  
uses afterwards 'undo'  
THEN  
INCA does the 'undo' with the physical representation of the former value. The result is a 'casted' value that has less precision as the original former value.

#### 5.13.4 Known issues solved with INCA V7.3.4 – Important Hints

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- #650352 INCA Add-On VoiceRecorder: Performance issue when stopping the measurement when the INCA Add-On VoiceRecorder is in use  
If INCA Add-On VoiceRecorder is used  
AND  
FlexRay - Monitoring is in the hardware configuration  
AND  
a measurement is recorded  
THEN  
with a very few experiments, the "Save File Dialog" may take a long time to open (up to approximately 5 Minutes have been reported)  
Workaround: Either remove FlexRay - Monitoring or VoiceRecorder from the hardware configuration.  
Affected INCA Version: INCA V7.3 SP3
- #649786 IPM Server doesn't save the manual set IP-address  
INCA supports only the old "Channel-based mode(legacy)"  
Manually setting an IP start address in the Network Setting Dialog does not work when the following conditions are all met:  
1. The selected Network Controller is the same as configured in the IPMServer.xml settings file  
AND  
2. The IP address saved in the IPMServer.xml is the same like the one set for the used controller  
AND  
3. The user presses the "next" button, before pressing the "finish" button  
Affected INCA version: Reproduced with INCA V7.2.17 and INCA V7.3

#### 5.13.5 Bug Fixes and Improvements

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- Notes:
  - Some issues are solved with the corresponding INCA – Add-Ons, which are part of the INCA Service Pack (SP) or solved in combination with the current HSP.
  - EHI calls are listed in increasing order

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EHI #	Title
419329	DB: Objects possibly imported into wrong Path
450886	CSE: Variables exists in CSE even when CSE config was not saved
504365	[WBID607145590] CANDBMultiplexAndModeSignal does not understand addModeSignalInfo: - when reading CAN-DB file
524788	VSD : Raster selection list is blank in Variable Configuration

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<b>526836</b>	[NetWBID3637517699]System.OutOfMemoryException: Nicht genügend Speicher verfügbar, um das Programm weiter auszuführen.
<b>527527</b>	[NetWBID1066869192] System.ArgumentNullException: Value cannot be null - when trying to delete former 'record only' variable from measure window
<b>528124</b>	EE: Possible that after reopen VSD Source Tree is not any longer shown starting from the top
<b>532262</b>	[WBID1696293060] Primitive failed in: String>>#at: due to Index out of range in argument 1
<b>557033</b>	Inconsistent widget back color in VSD and EE: When the horizontal or vertical bar is created in VSD, the background color is different than in the same widgets created in the EE.
<b>559699</b>	CDM: Only Partly shows the Select Source / Destination Dataset Dialog the corresponding Data Set as selected for projects with key variable list
<b>559943</b>	IEEE1588 TimeSync: Roundtrip times of all ETKs are influenced negatively by IEEE1588 Timesync every 10 seconds
<b>561230</b>	VUI: Wrong Range value will be displayed in property details of widget VUI - SliderEditor
<b>562568</b>	ASAM container: After reading ecuzip container, its contents stay as extracted on the file system
<b>562993</b>	Shortcut "alt +q" in INCA-VSD doesn't work
<b>564820</b>	EE: Possibly getting WB after leaving Recorder Manager with ESC - [NetWBID117715929] System.ArgumentOutOfRangeException: Index was out of range. Must be non-negative and less than the size of the collection.
<b>565194</b>	[NetWBID4215241914] System.ArgumentException: A TreeNodeAdv that was not a child of the TreeViewAdv was added to the TreeViewAdv's SelectedNodes collection. This is not allowed.
<b>567966</b>	EE : CSE table data becomes blank while switching to WP
<b>569858</b>	ASAP2Editor:Tab sequence is incorrect for few tabs in ASAP2editor
<b>569910</b>	VTabBounds: Edit Axis Point does not work for Data Rep = Impl for Customer Instruments
<b>571794</b>	Exchange CDM-Configuration in WS titel disappears
<b>576601</b>	Variables configuration: If a "No Match Variables" is selected and a filter is set e.g. "Measurements" and Shift+narrow up or narrow down is pressed Then [NetWBID53900694] System.NullReferenceException: Object reference not set to an instance of an object
<b>576624</b>	Checkboxes in recorder configuration are deactivated after recording with MCD 3MC V1.0
<b>578787</b>	VSD: "[NetWBID2949627690] System.ComponentModel.Win32Exception: Error creating window handle." can occur when clicking long in vsd to increase user handles
<b>580623</b>	VSD : INCA becomes not responding while editing layer name
<b>581286</b>	Osci: Display configuration settings of oscilloscope are not retained when the variables are made inactive and then selected back
<b>581396</b>	VSD: wrong position of selection of signal for using "text search"
<b>582191</b>	CDM    EE: Source dataset gets empty and moves to Destination, when trying to add already existing dataset.
<b>585571</b>	VSD LabFiles: [NetWBID1301935282] System.ArgumentOutOfRangeException: Specified argument was out of the range of valid values. WB occurs when trying to add .ecuzip as a lab file.
<b>586548</b>	EE: Label is added to new widget after Label is activated via KVL
<b>587582</b>	DB: Via Copy & Paste in 3 Experiment Elements it looks like that 2 CSE are in the same EE possible
<b>589697</b>	AUTOSAR: FlexRay cluster filtering doesn't work correctly

<b>590748</b>	EE: Possible that Inc/Dec step is different for Input and Scale for a Rescale Axis Pairs
<b>591779</b>	[WBID4253371345] UndefinedObject does not understand sections
<b>595778</b>	EE: Possible in Notes Tab from About Box also when using Scroll Bar complete text not readable
<b>596183</b>	HWC: Possible that Mouse cursor disappears and is not visible on any area where INCA is visible after clicking into Search field and pressing Space key in Add HW Device Dialog
<b>598008</b>	HWC: Possible that Next Button is not moving to next entry in Add HW Device Dialog
<b>598994</b>	[WBID1724472015] UndefinedObject does not understand value - Walkback in INCA: after multiple selecting of variables, holding Ctrl key and clicking ‚display‘ in a key variable list
<b>600258</b>	EE: Odd Representation in VSD and VSD is hanging when rename of item is not completed but several other actions executed in parallel
<b>603316</b>	When sorting in a very big project the VSD is greyed out for some seconds --> working symbol is needed!
<b>605109</b>	Performance: Time taken to open Experiment environment is improved compared to INCA V7.2
<b>607316</b>	EE: After closing Measure Array, Selector size from the Name Column is resetted
<b>607394</b>	EE: Possibly Measure Matrix shows all Measure Labels with disabled Rasters
<b>607623</b>	EE: Possible that Raster Drop Down List on Variable Configuration Tab is empty
<b>607733</b>	HWC: Possible that during Serch in HW Dialog Button are working and short keys not
<b>608521</b>	EE: Combined Editor shows for Rescale Axis Pairs Monotony Arrows but Rescale Axis Pairs does not work with Monotony coming from A2L File
<b>608849</b>	[WBID612512492] Exception in UI process
<b>609161</b>	Columns in VSD after change/shifting not safed and after opening again on old positions
<b>610507</b>	Vertical scrollbar not usable in combined editor if table is shrinked to minimum size
<b>612639</b>	After scrolling to the right, the names are not completely visible in VSD, raster configuration
<b>614273</b>	Raster Reassignment: Possibly getting different result when used functionality in different order and getting not needed inactive label
<b>614855</b>	[NetWBID1156751323] System.NullReferenceException: Der Objektverweis wurde nicht auf eine Objektinstanz festgelegt
<b>619856</b>	EE: Possibly is INCA hanging after try to rename widget in VSD Tab Disp Config
<b>619871</b>	EE: Copy & paste from empty widgets in VSD Config Tab does not work
<b>620235</b>	Wrong information of mouseover from Snapshot and open MDA from experiment during recording or in measure view.
<b>621059</b>	Scenario cannot be switched after saving it as CDF file
<b>622715</b>	INCA Scrollbar flickers in experiment if the titlebar of one window is a little bit outside of the visible area
<b>623031</b>	INCA-CANTransmit: Missing samples on Ethernet Devices
<b>624151</b>	INCA closed without warning during read of hexfile when path +hexfile-name has more than 256 characters
<b>624314</b>	[WBID306560295] String does not understand between:and:
<b>625007</b>	[WBID4161453859] UndefinedObject does not understand checkEditableCalibrationObject:
<b>625925</b>	[WBID3014711700] UndefinedObject does not understand multiRecorderFassade

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<b>628153</b>	ASAM MCD3: [WBID3771094836] SGASAP2Project does not understand getFolderPathName -> Open Workspace with ASAMMCD3 V2.2
<b>629744</b>	Experiment variable automatic remap is ignoring second Ethernet device when only one is defined in the WP
<b>630040</b>	[WBID1019849470] UndefinedObject does not understand textCr:
<b>631070</b>	Calibration window can not be renamed
<b>631342</b>	A2L read error with UTF-8 format in multi byte characters
<b>631355</b>	ASAP3 Define Recorder Parameters overwrites standard recorder permanently together wit auto increment
<b>631818</b>	INCA V7.3.0: Performance HW Initialize is slower in INCA 7.3 compared to INCA V7.2
<b>633716</b>	CDM Copy paste is not working if Inline compare is active
<b>634975</b>	INCA new experiment with Key variable list can not start recording --> invalid Parameter
<b>636089</b>	ETAS Network Settings GUI cannot be resized
<b>636092</b>	Measure table and Oszi are rounding differently (UINT64)
<b>636093</b>	EE: Osci with VTab Label the values from Axis Tickmarks are not using Data Representation = Dec
<b>636328</b>	Rendering issues in VSD after the resizing of toolbars
<b>637019</b>	CDM: About Variable Dialog in CDM Usability: Invisible Frame Sperator
<b>637429</b>	[WBID3588130970]Primitive failed calling 'user32.dll':InsertMenuA from PlatformFunction>>#callWith:with:with:with:with: due to Invalid reference in argument 2
<b>637634</b>	Int64.MinValue(-9223372036854775808) was not set on oscilloscope
<b>637954</b>	DaisyChain: DaisyChain GUI update of tree view and table view does not match e.g. after "download configuration"
<b>638107</b>	Value column of Osci is expanded
<b>638180</b>	Generation of PDF for extended logging requested, such that the instructions could be read after INCA is closed.
<b>639804</b>	[WBID2988498975] String does not understand equalsIgnoreName:
<b>640955</b>	CDM Online Add Variable Selection Window does not open About Variable Window for Calibrations
<b>641236</b>	[WBID2917960526] Primitive failed calling 'user32.dll':RemoveMenu from PlatformFunction>>#callWith:with:with: due to Invalid reference in argument 2
<b>641288</b>	[WBID2510360799](ExCLDTKeyNotFound) Key not found.
<b>642873</b>	INCA crashes at Layer change in Experiment during running Measurement - [WBID3549077819] UndefinedObject does not understand setTextAlign:
<b>643749</b>	[WBID143104694] EtasAPIWorkbaseDevice does not understand isCANMonitoringDevice
<b>643985</b>	[WBID742451634] process cannot be resumed. INCA crashes when ETK paramaters where changed in HWC and the tab switched to ODX parameters
<b>644079</b>	While adding dataset in INCA getting an error "Hex file_chksum error in IntelHexSegmentStartRecord at address 0x0"
<b>644648</b>	INCA Wrong window title (reading CVX file) when reading incorrect DCM file
<b>645458</b>	INCA often bad time synchronisation with CSM 1MHZ Modules PTP - ES882
<b>645480</b>	INCA & CSM: INCA stops with message storing mdf and is not usable anymore. Note: Solved with release version of CSM INCA 7.3 AddOn ETH V2.0.0.
<b>645573</b>	INCA HexPostTreatment is changing contet of BigData Feature
<b>645985</b>	1 x [WBID2223901620] Primitive failed calling 'user32.dll':InsertMenuA from PlatformFunction>>#callWith:with:with:with:with: due to Invalid reference in argument 2
<b>646154</b>	[WBID3212729947]UndefinedObject does not understand >

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<b>646210</b>	Some characters in SYMBOL_LINK (containing "}" or "{" or ":" , ) lead to empty VSD. Note: In case with a former INCA version: A2L must be read again to update INCA DB.
<b>646700</b>	CDM: QMD Icons not shown in Multi Column view at first opening
<b>646818</b>	Grouping icon is incorrect after deleting grouped ECU: The icon should be greyed out because the group only contains one element.
<b>646980</b>	ES820: INCA V7.3.2 crashes during DR Export. Recommendation: Change the export options. Deselect "one file for each item"
<b>647384</b>	INCA DB Export : Multiselect use-case with File Format = "INCA 7 x64 database" is using *.exp but should use *.exp64
<b>647398</b>	1 x [WBID2299210828] Primitive failed calling 'user32.dll':RemoveMenu from PlatformFunction>>#callWith:with:with: due to Invalid reference in argument 2
<b>647521</b>	VN7600 UDSONCAN: Initialize Hardware fails with UDSONCAN and VN7600
<b>647527</b>	INCA V7.3.3: Inconsistent behavior in Combined Editor with VTAB_RANGE values
<b>647545</b>	AUTOSAR Container: Multi AUTOSAR files with different Flexray Cluster - VSD does not filter Signals of configured Flexray Cluster & Flexray Controller
<b>647556</b>	INCA-ToolApi: AddFunctionsToListUsingMask always returns ,True'
<b>647562</b>	INCA creating new DB with space after Name is possible even if it is not allowed in Windows (blanks at end)
<b>647657</b>	INCA-ODX-LINK: Wrong German translations for some strings
<b>647670</b>	Missing calibration history icons in the Multi column view
<b>647757</b>	CDM Multi Column: The information about Quality gets not updated when creating a new quality entry in the info area
<b>648049</b>	EE: Min Default Value for Y Axis Range is not set to any value after creating Platform YT Osci with S64 Label
<b>648282</b>	INCA-MIP Manual misses information about the environmental variables, which are required for execution of compiled m-files
<b>648696</b>	Signals are still available in the VSD even though the Flexray cluster does not exist anymore
<b>648718</b>	INCA & CSM: TimeSynchronization - CSM A1b driver - monotony issue with SynchronizeToReferenceTime(). Notes: Solved with CSM INCA 7.3 AddOn ETH V2.0.0
<b>649054</b>	CDM performance when adding variables via VSD in CDM
<b>649175</b>	Replace AUTOSAR, Fibex, LDF (generic driver) files works differently (worse) than with A2L files - default path is only updated with add but not with replace
<b>649184</b>	Database browser updates slowly Project/Device container. Performance improved.
<b>649192</b>	Lookup Generator has wrong path to Perl exe
<b>649563</b>	ASAP2: Values are not shown as Read Only after changing Access to Read in ASAP2Editor
<b>649595</b>	Exported XML file out of experiment for configuration protocol writes wrong rate / raster when array is used.
<b>649751</b>	INCA-ODX: Service Inspector Configuration shows error "to many requests". Note: In case more than 2000 requests would have to be sent, a "Too many Requests" error is shown and the execution is rejected because this would take very long time or freeze INCA.
<b>649763</b>	EE: Changes from size of columns in Hardware Status are automatically reset
<b>649786</b>	IPM Server doesn't save the manual set IP-address
<b>650015</b>	1 x [NetWBID1971169032] System.InvalidOperationException: Element 'ZFFSAB._GradLimEngTorqOut.iv_mg_engmax\XETK' with ID ID681519901 not found in input XML for VSD

650051	EE: After Drag&Drop from 1 label are 2 labels removed from Measure Table and only one added to Osci
650109	INCA - logfiles cannot be send when Microsoft Outlook 365 is in use
650122	ETAS License Manager V1.8 : Grace mode reset function does not work if licencing files were invalid
650170	Multi ECU Cluster: Clustered devices can be grouped in the database browser but the ECUs are clustered already
650199	INCA7.3: CRETA 5R3.4 64-bit Version: Get Dataset including CDFx file does not work
650217	[WBID2042219761] Array does not understand isWorkPage
650249	INCA V7.3 - eCDM: Pulling CDFX files with meta data from CRETA into INCA fails with error "Ensure that the AddOn supporting that format is installed".
650352	INCA Add-On VoiceRecorder: Performance issue when stopping the measurement when the INCA Add-On VoiceRecorder is in use
650646	EE: About Box does not shown given Monotony from Rescale Axis Pairs
650680	[WBID4074343720] UndefinedObject does not understand applicationHistoryEmptyOrNil
650854	[WBID466380708] String does not understand - Show processpoint with mixed axes causes system error
650883	INCA-SIP: Incorrect Indexing for 2D Measurement Data Acquired Through INCA COM
650941	QMD status not displayed for the selected labels in CDM in the multi-column view if adding only one dataset as source
650998	[WBID3819891318] UndefinedObject does not understand setBoundsCheckCancelled
651207	[NetWBID4180225588] System.ArgumentException: Occurs after setting empty value for Widget or Layer name in Display Configuration
651208	EE: INCA allows empty string as name for Layers and Widgets from Property Grid but not from the Experiment Tree
651236	CDM compared output is not readable with some browsers due to Shift_JIS encoding. Solution: Use Encoding UTF-8 for all HTML output.
651418	INCA hangs if special variable is selected in CDM, in case scalar 64 if the scale is at the limit
651507	INCA reloads EE and loses recorder settings even if nothing changed in CalculatedSignalsEditor
651978	INCA V7.3 SP3: .NET Framework installation popup appears while installing MDA 8. Note: Solved with MDA V8.5.4 part of INCA V7.3 SP4.
652068	INCA missing translation in ip Manager INFO box
652167	iLinkRT - High processor load when ASAP3.exe is started
652320	EE: Possibly getting wb([WBID306560295] DBString does not understand occurrencesOfSubstring:) when try to open EE
652321	CDM - Expand funktion - Click on the field containig the variable name: [WBID2906119779] UndefinedObject does not understand x
652324	CDM Multi Column View: When several variables are selected only the latest selected variable is listed in List Highlighted or Previewer
652546	XCPonCAN-FD Error message during initialisation: Error segment not valid
652587	INCA Calculated Signals window translation missing
652682	INCA-EIP: During Flash the following dialog appears in INCA-EIP. This dialog is misleading and should be removed, as it does not trigger any action in the Tool. An expicit power cycle is not needed anymore.
652694	INCA V7.3 Measurment Signals are not showed on the EE
652777	INCA Crash without message or WB --> measure data got lost
652984	INCA uses Contigent mode with Vector HW and Freischaltbit

<b>653024</b>	Porsche EKT-S20 Project: Display cannot be stopped with specific Experiment. Note: DBC file needs to be read again.
<b>653109</b>	DCM with header cannot be read in CDM with INCA
<b>653250</b>	PROF Convert.dll cannot deal with bracket generating short name. Recommendation: Put the filename in quotes to fix this:
<b>653452</b>	SOME IP Monitoring with ES886 or VN5640 : Reconnect after switching Device OFF and ON during Measurement does not work
<b>653516</b>	Online Help ETAS Network Manager outdated
<b>653713</b>	XETK-V2, XETK-S21 Unexpected raster check messages in INCA monitor each time the hardware is initialized
<b>654069</b>	INCA - ODX: INCA should not display the windows user name of imported ODX projects anymore
<b>654314</b>	CSM XCP Gateway 4s pro wrong time synchronisation in INCA. Note: Updated CSM Add-On required.
<b>655211</b>	Not possible to find IPETRONIK modules using BOA V2.28 (x86). Note: Solved with BOA V2.29 (x86)
<b>655986</b>	INCA-CANTransmit: Can not add LAB file in the DBC generator
<b>656285</b>	INCA uses old openssl libs that can cause crashes on new PCs with Intel® 10th generation processor
<b>656639</b>	INCA-MCE: MCE License is in use if ASAP3 window is opened

5.14 INCA V7.3.3 HF1

5.14.1 Recommended Installation

See INCA V7.3.3

5.14.2 New Features and enhancements

See INCA V7.3.3

5.14.3 Known issues of INCA V7.3.3 – Important Hints

See INCA V7.3.3

5.14.4 Known issues solved with INCA V7.3.3 – Important Hints

See INCA V7.3.3

5.14.5 Bug Fixes and Improvements

See INCA V7.3.3, additionally these (duplicated) issues are solved:

<b>EHI #</b>	<b>Title</b>
<b>650199</b>	INCA V7.3: CRETA 5R3.4 64-bit Version: Get Dataset including CDFx file does not work
<b>650249</b>	INCA V7.3 - eCDM: Pulling CDFX files with meta data from CRETA into INCA fails with error " <i>Ensure that the AddOn supporting that format is installed</i> ".

## 5.15 INCA V7.3.3

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### 5.15.1 Recommended Installation

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It is strongly recommended to update and down date INCA V7.3 (including INCA Add-Ons) only with help of the INCA Service Pack Installer.

**Important:** After the installation, a reboot of the computer system is required. With the MSI-installation technology it is more important not to change any files manually otherwise uninstallation or new installation (update) will very likely fail.

### 5.15.2 New Features and enhancements

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- All news of the current INCA Service Pack see INCA-V7.3 SP3 Whats-new.pdf.
- J2534 support with INCA V7.3.

Usage of 3rd party hardware via J2534 (PassThru):

INCA 7.3 as 64 bit application uses 64 bit drivers provided by other vendors to access their hardware.

It was found that existing drivers from other vendors are using a byte alignment that does not match the J2534 specification (J2534\_1\_2004 spec (section 9.2.2 Attaching to the Dll From an Application).

In 32 bit applications this did not play a role but needs to be considered in 64 bit applications.

ETAS implemented its J2534 functionality from INCA using this non-standard-conform byte alignment by default to support existing drivers from other vendors.

In case you find your 3rd party hardware device using J2534 not working together with INCA, please ask the ETAS MCD support for assistance or the standard-conforming version.

Tested devices are Kvaser, PEAK, (Vector, but further issues found)

With INCA V7.3.2 and higher it is now possible to switch to the standard-conform variant (in case, ask also here your ETAS MCD support for assistance).

### 5.15.3 Known issues of INCA V7.3.3 – Important Hints

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- #650352 INCA Add-On VoiceRecorder: Performance issue when stopping the measurement when the INCA Add-On VoiceRecorder is in use  
If INCA Add-On VoiceRecorder is used  
AND  
FlexRay - Monitoring is in the hardware configuration  
AND  
a measurement is recorded  
THEN  
with a very few experiments, the "Save File Dialog" may take a long time to open (up to approximately 5 Minutes have been reported)  
Workaround: Either remove FlexRay - Monitoring or VoiceRecorder from the hardware configuration.  
Affected INCA Version: INCA V7.3 SP3

- Important hint to new feature with INCA V7.3.1 *Ethernet/SOME\_IP Monitoring on local network cards*  
INCA supports local network cards for Some/IP and Ethernet monitoring interface. To receive Jumbo frames or VLAN tagged frames additional network card specific setting could be needed. Network cards with not unique MAC address will be ignored (e.g. virtual network loop back adapter). Also network cards with DHCP IP address will be ignored.  
This feature prerequisites the manual installation of WinPcap V4.1.3. The installation is located in the INCA V7.3 Service Pack or DVD in folder `\Tools\WinPcap`
- #631738 INCA does not support VN5610 and VN5640 with new driver mode "network-based mode"  
INCA supports only the old "Channel-based mode(legacy)"
- Known issue with *64Bit Integer Support*  
IF  
calibration is done in the INCA experiment or CDM  
AND  
a parameter of type 64Bit Integer is used  
AND  
the parameter holds a value that needs more than 52 bits for representation  
AND  
the user changes the values  
AND  
uses afterwards 'undo'  
THEN  
INCA does the 'undo' with the physical representation of the former value. The result is a 'casted' value that has less precision as the original former value.

#### 5.15.4 Known issues solved with INCA V7.3.3 – Important Hints

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- #649691 INCA V7.3.0 - MDF 4: INCA does not write the "vehicle name" in the measurement file as specified in the "Recording Save Dialog", but instead incorrectly writes the project name.  
Affected INCA Version: INCA V7.3.0 to V7.3.2
- #645006 Multi-Dimensional Measurements - ASAP2 LAYOUT: INCA interprets MATRIX\_DIM measurement arrays as COLUMN\_DIR if LAYOUT keyword is not defined. This might lead to wrong interpretation and wrong measure data.

The ASAP2 V1.6 (2009) specification introduced the optional LAYOUT to offer the possibility to describe the different behavior. As default, when LAYOUT is missing, the ASAP2 spec V1.6 introduced as default ROW\_DIR.

INCA supported 2-dimensional measurement arrays already long before ASAP2 introduced LAYOUT. INCA uses as default COLUMN\_DIR.

As result, INCA indexes the measurement arrays column wise instead of row wise. INCA will change its default for measurement arrays without LAYOUT from COLUMN\_DIR to ROW\_DIR beginning with INCA V7.3.3.

**Solution with INCA V7.3.3 and higher:**

As there are already A2L files in the field that describe 2-dimensional measurement arrays without LAYOUT with ASAP2 VERSION up to 1.6 INCA will change the default dependent on the ASAP2 VERSION stated in the A2L file.

For A2L files with ASAP2 VERSION < 1.7 INCA will keep COLUMN\_DIR as default!



For A2L files with ASAP2 VERSION >= 1.7 INCA will use ROW\_DIR as default!  
If the ASAP2 measurement description contains the LAYOUT info INCA respects the given memory orientation.  
If LAYOUT is missing INCA interprets multi-dimensional measurement arrays by default dependent on INCA version and ASAP2 version:

INCA \ ASAP2	V1.5	V1.6.1	V1.7
V7.2.x	COLUMN_DIR	COLUMN_DIR	COLUMN_DIR
V7.3.2	COLUMN_DIR	COLUMN_DIR	COLUMN_DIR
V7.3.3 ff.	COLUMN_DIR	COLUMN_DIR	ROW_DIR

**Recommendation:**

The creators of A2L files shall use always the optional ASAP2 keyword LAYOUT to describe the orientation exactly.

5.15.5 Bug Fixes and Improvements

- Notes:
  - Some issues are solved with the corresponding INCA – Add-Ons, which are part of the INCA Service Pack (SP) or solved in combination with the current HSP.
  - EHI calls are listed in increasing order

EHI #	Title
482208	ECU flashing is not possible due to second ECU connected to Flashport
492530	CAN-Monitoring with Option "One Measurement Raster per CAN ID" creates wrong data
540888	Assignment of a new raster for inactive measurements in the same measurement window is not supported
558770	Reuse Parts of EE: Different orders from the Recorders in VSD, DBBrowser, Manage Recorder and Recorder Configuration
570849	INCA-EIP Project with only Adaptive Characteristics does not allow to calibrate
590367	[WBID3967697697] UndefinedObject does not understand setClipMask:
592503	[WBID2700579632] UndefinedObject does not understand isManaged
598616	Walkback when opening experiment - [NetWBID323597965] System.ArgumentNullException: Value cannot be null.
598723	[WBID3808155175] UndefinedObject does not understand isDisableEERelevantChanges C:\Users\mf82si\AppData\Local\Temp\WBCheck\ETAS\LogFiles\INCA\walkback\ur000032.wkb V7.2.6 Build 151/2 1
600009	[WBID1225706575] Unable to allocate device context.
600471	[WBID2333335189] UndefinedObject does not understand execWithProgressDialog:message:showProgress:title:
601124	INCA SubsetGenerator does not create A2L file and no possibility to change path if target folder or file is write protected
602493	[NetWBID689060332] System.NullReferenceException: Object reference not set to an instance of an object.
602824	KVL: Experiment order is not appearing for variables when user imports KVL from Version 1 lab file.
602835	Targetserver can not handle "/" instead of "\" in path name.

<b>603540</b>	EE: Possibly getting wb ([NetWBID1650268627] System.ArgumentOutOfRangeException: Index was out of range. Must be non-negative and less than the size of the collection.) after clicking into VSD in area of the Tabs
<b>604710</b>	Compu VTAB Range is not working for Measure calibration
<b>607693</b>	[WBID149381602] UndefinedObject does not understand allCalibrationAndAxisPointLabels
<b>610307</b>	VSD: 'Raster Pre-selection' raster selection is not retained for Grouped on VSD.
<b>612655</b>	EE: Unable to paste Hex value on Scale axis of Combined Editor.
<b>613081</b>	VSD: Text is garbled in advanced variable search filed
<b>614395</b>	[WBID864624044]UndefinedObject does not understand deleteOnTS:
<b>616768</b>	INCA ASAP3 not responding in case of ECU loss for 7 sec
<b>617229</b>	MDA V7.2 & INCA V7.2: Calculated signals not shown in MDA after using snapshot function. Note: Solved with MDA V8.5 and INCA V7.3 with MDF4.
<b>618155</b>	INCA does not export XYOsci into generated XDA configuration - If boolean measurement is used as axis in the XYOsci the XYOsci is not part XDA configuration
<b>618978</b>	Display of Recorders Events interrupts the EE - functionality
<b>619082</b>	[WBID1828434506] Exception in UI process + [WBID3402757492] UndefinedObject does not understand lockedColumns
<b>620074</b>	INCA crash at a2l assignment to ETK in case if UTF8 support is active in Windows Settings with [NetWBID3067522103] Etas.HWConfiguration.Framework.ErrorResultException: Parsing of ASAP2 file failed: Unknown exception occurred.
<b>621038</b>	[WBID1181318302] UndefinedObject does not understand getCustomerInstrumentsManager
<b>621120</b>	INCA crash after add demo ODX Project
<b>622254</b>	Raster fillig dialogue gets not refreshed
<b>622529</b>	INCA Working Point of calibration curve is not available in VSD calibration.output
<b>623646</b>	[WBID3738165505] Primitive failed in: Object>>#at: due to Index out of range in argument 1
<b>625153</b>	[NetWBID1971169032] System.InvalidOperationException: Element 'FuCorrnCalcn_ClsPosnSpMai_a[5]ES910/Simulation Controller:1' with ID ID681521347 not found in input XML for VSD
<b>628533</b>	Slider Editor Range is false when selected from Display Configuration in the VSD
<b>629744</b>	Experiment variable automatic remap is ignoring second Ethernet device when only one is defined in the WP
<b>629764</b>	[WBID3329787912] UndefinedObject does not understand byteAt:
<b>629997</b>	Video AddOn - ONVIFX Camera credentials not being pulled from config file. Note: Solved with Video AddOn
<b>630434</b>	[WBID1122515093] (ExCLDTIndexOutOfRangeException) Index out of range
<b>631141</b>	INCA V7.2 and V7.3: Duration to reinitialize HW triggered in EE is very long (in case of huge experiments). Improved by factors.
<b>631303</b>	Mail address for INCA online feedback not valid
<b>632460</b>	User Options -> Experiment -> Calibration: There are no user options for Com Axis Editor
<b>632684</b>	Flat Fuction View does not work as expected
<b>633778</b>	DaisyChain: Caption of formula dialog incorrect and also look of GUI objects is strange
<b>634130</b>	INCA Experiment/ASAP3 measure values freeze on test bench, at the same time mdf-file still gets correct measure data

<b>634475</b>	Getting unexpected error message when tried to change Axis values.
<b>634497</b>	Getting Monotony has been violated error message at unexpected place in case of NAN (not a number). Solution: Monotony error message
<b>635965</b>	[WBID236536255] UndefinedObject does not understand at:ifAbsent:ifPresent:
<b>636576</b>	CDM multi column: [WBID1747106544](ExCLDTIndexOutOfRange) Index out of range.
<b>636631</b>	[WBID1166204626] (ExCLDTIndexOutOfRange) Index out of range. When in new view a function is extended and a cdfx file will be exchanged with another one
<b>637067</b>	Calculated Signals: Graph Configuration on Calc Signal Dependency Viewer: Radio button did not work as a toggle button
<b>637357</b>	ASAP3: Establish connection not possible after automatic disconnect : Error: Cannot bind Socket -> Close ASAP3 Interface needed
<b>637361</b>	Not possible to add single measurement elements of a 2 dim. measurement array to the EE
<b>637370</b>	INCA default and user comments are not saved correctly in MDF3 file
<b>637576</b>	INCA V7.2.16 and FETK-S1.1B: Error to delete ProF after flashing
<b>637909</b>	Calibration Map Copy and Paste failed
<b>638286</b>	INCA V7.3 - Oscilloscope: Wrap Around Curtain doesn't retain Axis Unit property value for label adIn0.
<b>638292</b>	BOA J2534OCD with VectorXL PassThruLibrary results in too long URI string
<b>638705</b>	ES584-LIN-Monitoring and -CAN-Monitoring: ES584-LIN Error 0x80001001: The parameters supplied to the function do not agree with each other on InitHW
<b>638933</b>	Read CSV with format error: [WBID1232881535] UndefinedObject does not understand addFunction:
<b>639272</b>	[WBID1358750300] Primitive failed in: RBLzssDLL32>>#UnzipFromMemory:srcBlockLen:unzippedBlock:unzippedBlockLen: due to General protection fault - write to invalid memory location
<b>639866</b>	Manual adaptation of Network setting does not work when using APIPA on a system which does not automatically store this information in the registry. Solution: Now this information from Windows APIs is used instead.
<b>640428</b>	FETK initialization fails in INCA due to string compare of two numerically identical values
<b>640624</b>	ASAP3 Log states wrong Windows OS entry
<b>640724</b>	Flickering screen when dragging widget in the experiment
<b>641021</b>	ASCII Label with certain content causes INCA system error: [WBID3334525453] IDispatch call returned an exception. ErrorCode: 0x80004005 Source: <unknown>. <LOCALIZED>Deserialization of base config >InputSignalConfig I14229_VehicleNum_CA
<b>641115</b>	INCA V7.3,2: Variables are not added to XY oscilloscope widget after making them active from inactive state.
<b>641194</b>	[WBID2385380392] (ExCLDTIndexOutOfRange) Undoing X-Axis Change on Curve
<b>641298</b>	Recording big data: Calibration events not included in restored MDF file after INCA crashes
<b>641482</b>	EE: Possibly Supporting Points Setup shows unexpected Bounds Message Box
<b>641614</b>	.NET Recorder Manager works not correctly if device name contains single quotes
<b>641861</b>	ASAP3 options: String with space at wrong place causes issue in German translation.
<b>641932</b>	Drived Recorder: INCA does not save optimized DR export for V7.2. to default DR export directory
<b>641975</b>	DB: Getting WB([WBID4092838712] UndefinedObject does not understand copyFrom:to:) after export special environment in INCA 7 format
<b>642137</b>	DB: Wrong backup created when version 7 DB is opened using ComAPI

<b>642143</b>	During changing of database INCA shows an error message if a path contains multi-byte characters.
<b>642287</b>	EE: Possible that after conversion from Tab Editor to Comb Editor the value for Colum Width is not correct used
<b>642381</b>	INCA-XETK-S20 Out of Memory Error not propagating to user. Solution: Error message. But EE has to be adapted in such case as too large for the ETK.
<b>642406</b>	INCA V7.3.2: Performance "Close EE" decreased.
<b>642530</b>	Inline comparison doesn't work for characteristics at all in case of identical datasets with identic name
<b>642993</b>	Optimized download works with 512 bytes. Is it possible to chnage the block size to 1k or to other size? Yes, default for XCP was enhanced to 1k with INCA V7.3.3
<b>642999</b>	[WBID764030002] UndefinedObject does not understand doDelayedSingleShot:
<b>643172</b>	INCA V7.3: LogFile Path / Temp Path with multi-byte characters caused system down
<b>643199</b>	Copy and paste value from Excel to INCA did not work in case hidden names are used in the Excel sheet.
<b>643343</b>	MDFLib discrepancy between Big Endian and Little Endian values
<b>643379</b>	Export of experiment layers (.ee-files) exported in V7.3.x get refused to import in V7.2.x (in case format of .ee-file is 64 bit)
<b>643681</b>	ETK Tools V4.2.2 - Monitoring Variables values were not updated
<b>643700</b>	Open EE with a project: [WBID3421345940] UndefinedObject does not understand verticalResolution
<b>643701</b>	INCA does not allow a cluster calibration handle description to have a 'missing flash range' as compared to global handles
<b>643714</b>	INCA SIP: Typecast failed
<b>644102</b>	INCA V7.3 Calculated Signals: Type dropdown is not visible while editing Custom type calculated signal
<b>644310</b>	INCA wrong error message while reading not supported fibex file
<b>644311</b>	Irrelevant error message bei LIN configuration in 8xx-stack
<b>644357</b>	INCA Udate LED indicators makes ASAP3 unusable. Note: Function LED disabled completely.
<b>644617</b>	BR XETK: Sporadic IP address conflict after powering on all devices that is NOT resolved by IPManager
<b>644772</b>	INCA V7.3.2: Wrong info about CONSISTENCY_EVENT_LIST in Monitor
<b>644880</b>	[WBID4092838712] UndefinedObject does not understand copyFrom:to: when exporting to INCA 7 format
<b>644894</b>	EE files exported from 7.3 cannot be imported into 7.2 (if they are saved as as *.ee but are ee64-files)
<b>644942</b>	XCP: Adaptive parameter CURVE or MAP with STATIC_RECORD_LAYOUT does not show correct values after reconnect if axis point is added or removed
<b>644956</b>	EE Export/Import changing raster rate for Slew variable
<b>645006</b>	Multi-Dimensional Measurements - ASAP2 LAYOUT: INCA interprets MATRIX_DIM measurement arrays as COLUMN_DIR if LAYOUT keyword is not defined. This might lead to wrong interpretation and wrong measure data.
<b>645101</b>	EE: Possible to get WB([WBID4030254988] String does not understand exportExtension) after saving Recorded Measure File
<b>645232</b>	Hex Editor: Text not completely visible if Display Zoom Factor enhanced (>100%).
<b>645399</b>	Prof flash error for memory segment 14. Note: Solved with new programming file
<b>645620</b>	Missing German Translation in ETAS IP Manager
<b>645712</b>	CDM: If destination map has more x-axis than source not all available values for destination are shown
<b>645842</b>	API: send "StopAndDiscardRecording ()" -> INCA hangs up!

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<b>645845</b>	Possible that for Working Point Calculation wrong Axis Points are marked in Combined Editor
<b>646156</b>	INCA-EIP License did not work. Note: New INCA-EIP license created after correction in ETAS License Portal (FNO).
<b>646180</b>	Calibration in DynEmu mode not working with full emulation when RP are different
<b>646273</b>	ASAP2 - Editor: Undo does not work correctly
<b>646358</b>	Flashing over CAN not possible while FETK not available
<b>646378</b>	Signals of a certain slot are not visible in FlexRay-Monitoring. Note: AUTOSAR file corrected/updated.
<b>646496</b>	VSD Raster Pre-Selection Dialog - switching between 'All Sources' and single device in source tree leads to [NetWBID1561011107] System.ArgumentOutOfRangeException: Index was out of range. Must be non-negative and less than the size of the collection.
<b>646698</b>	CDM Multi Column Mult select does not work
<b>646699</b>	TI CDM-Multi Column: Inline compare editor pops up during selection of several lables
<b>646702</b>	Edit Application History entries for Multi Select in CDM Multi Column view does not work
<b>646980</b>	ES820: INCA V7.3.2 crashes during DR Export
<b>647006</b>	Calculated Signals: Critical exception when trying to add a new custom signal with name '0' and value (const) 0
<b>647100</b>	FlexRay: Buffered Controller Configuration is not updated under specific conditions
<b>647396</b>	Variables acquisition via timers with XETK-S20 and XETK-S30 not working with current a2l file
<b>647774</b>	[WBID1166204626] (ExCLDTIndexOutOfRangeException) Index out of range.: 1
<b>647775</b>	EE: After reopen from new saved EE, recording works not any longer
<b>647790</b>	MultiECUCluster: Page Switch reactivated for grouped ECU devices which should not allow page switch
<b>647880</b>	[WBID599166111] (ExCLDTIndexOutOfRangeException) Index out of range.: 1
<b>648157</b>	Calculated Signals: Fixed raster for calculated signal is reset from 1 to „like signal“ on edit
<b>648286</b>	If writing Device Information is active, the recorded mf4 file contains <list> elements with missing 'name' attribute (not readable in Famos)
<b>648658</b>	CAN-Trace-AddOn: CAN traces from INCA are not plausible. Note: Solved with CAN-Trace-AddOn
<b>649002</b>	ETK Tools: ETK Tool V4.2.3 Beta is not opening
<b>649141</b>	CAN-Trace-AddOn: CAN trace from INCA is not consisten. Note: Solved with CAN-Trace-AddOn V7.3.3
<b>649192</b>	Lookup Generator has wrong path to perl exe
<b>649458</b>	INCA V7.3.3 Beta: INCA Vector HW: New licensed addon will always be installed with INCA. Note: New (optional) INCA AddOn Vector-Hardware V7.3.3 available.
<b>649515</b>	INCA freezes by stop the measurement if INCA Add-On VoiceRecorder is in use
<b>649691</b>	INCA V7.3.0 - MDF 4: INCA does not write the "vehicle name" in the measurement file as specified in the "Recording Save Dialog", but instead incorrectly writes the project name.

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## 5.16 INCA V7.3.2

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### 5.16.1 Recommended Installation

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It is strongly recommended to update and down date INCA V7.3 (including INCA Add-Ons) only with help of the INCA Service Pack Installer.

**Important:** After the installation, a reboot of the computer system is required. With the MSI-installation technology it is more important not to change any files manually otherwise uninstallation or new installation (update) will very likely fail.

### 5.16.2 New Features and enhancements

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- All news of the current INCA Service Pack see INCA-V7.3 SP2 Whats-new.pdf.
- ES4xx – Import of channel parameters using a csv file  
Configuring many channels for ES4xx devices can be done at once
  - CSV files are used to define content
  - New devices are added to the hardware configuration
  - Existing devices are modified
  - Device name, serial number or alias name used to identify device
  - Supported devices: ES410, ES411, ES413, ES415, ES420, ES421A detailed description is available in [Documentation → Manuals → INCA\\_V7.3\\_ImportMeasurementScheme\\_CSV\\_EN.pdf](#) (Update 3/2021: Description is now available in the online help)
- Experiment Environment: Improved Error Handling in case of customer specific instrument plugin (for the Experiment Environment) caused a non-handled exception (error) - e.g. like reported in Call #592270 [WBID1631460624] *Primitive failed in: PlatformFunction>>#callWith: due to General protection fault - read from invalid memory location - in case of an non-handled exception of an instrument plugin.*  
In case of such an error of the instrument plugin, INCA catches the exception and disables the instrument. In such case, the instrument has to be checked.
- Extension of INCA Tool-API to solve call #627241 *API: ReadFromExRAM (long start, long length): Address overflow on COM API memory read attempt.*  
Solved with new API: public virtual sbyte[] ReadFromExRAM32(uint start, uint length). Details see INCA Tool-API Documentation.
- ProF: GET\_STRING\_FILE extended to solve #640655 *ETK Upload as ASCII String not possible in ProF.*  
Problem:  
Bytes retrieved e.g. from an ECU with any ProF command (e.g. ETK\_UPLOAD) shall be interpreted as ASCII string and printed into the ProF window during flashing.  
Solution:  
Write the bytes into a file and then use the newly enhanced ProF command GET\_STRING\_FILE() to read the data from the file in ASCII format and store it in '%s' for usage in other commands like DISPLAY\_MESSAGE().
- J2534 support with INCA V7.3.  
Usage of 3rd party hardware via J2534 (PassThru):  
INCA 7.3 as 64 bit application uses 64 bit drivers provided by other vendors to access their hardware.

It was found that existing drivers from other vendors are using a byte alignment that does not match the J2534 specification (J2534\_1\_2004 spec (section 9.2.2 Attaching to the DII From an Application)).

In 32 bit applications this did not play a role but needs to be considered in 64 bit applications.

ETAS implemented its J2534 functionality from INCA using this non-standard-conform byte alignment by default to support existing drivers from other vendors.

In case you find your 3rd party hardware device using J2534 not working together with INCA, please ask the ETAS MCD support for assistance or the standard-conforming version.

Tested devices are Kvaser, PEAK, (Vector, but further issues found)

With INCA V7.3.2 it is now possible to switch to the standard-conform variant (in case, ask also here your ETAS MCD support for assistance).

### 5.16.3 Known issues of INCA V7.3.2 – Important Hints

- Important hint to new feature with INCA V7.3.1 *Ethernet/SOME\_IP Monitoring on local network cards*  
INCA supports local network cards for Some/IP and Ethernet monitoring interface. To receive Jumbo frames or VLAN tagged frames additional network card specific setting could be needed. Network cards with not unique MAC address will be ignored (e.g. virtual network loop back adapter). Also network cards with DHCP IP address will be ignored.  
This feature prerequisites the manual installation of WinPcap V4.1.3. The installation is located in the INCA V7.3 Service Pack or DVD in folder [\Tools\WinPcap](#)
- #631738 INCA does not support VN5610 and VN5640 with new driver mode "network-based mode"  
INCA supports only the old "Channel-based mode(legacy)"
- Known issue with *64Bit Integer Support*  
IF  
calibration is done in the INCA experiment or CDM  
AND  
a parameter of type 64Bit Integer is used  
AND  
the parameter holds a value that needs more than 52 bits for representation  
AND  
the user changes the values  
AND  
uses afterwards 'undo'  
THEN  
INCA does the 'undo' with the physical representation of the former value. The result is a 'casted' value that has less precision as the original former value.

### 5.16.4 Known issues solved with INCA V7.3.2 – Important Hints

- NA

### 5.16.5 Bug Fixes and Improvements

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- Notes:
  - Some issues are solved with the corresponding INCA – Add-Ons, which are part of the INCA Service Pack (SP) or solved in combination with the current HSP.
  - EHI calls are listed in increasing order

EHI #	Title
355741	DBB: It is possible to get a behavior that a device cannot be changed in DBB
470674	Calibration access without matching checksum
553032	EE KVL: "[WBID145438330] Primitive failed in: ByteArray>>#uint32At:put: due to Value out of range in argument 2" can occur when loading KVL in EE
560436	CDM: Update from Master because of Read Only state does not work when CDM is opened via EE
581786	No clear message apperas by adding a buffered dataset
581855	Old CDM config creates path in file system
583944	UserOptions: First user variable's value are populated for empty values for variables of second user.
584596	INCA Could not export when DCM-file is not available
587633	[NetWBID888615563] System.InvalidOperationException: Sequence contains no elements
589244	Different behaviour between calibration table and calibration window
590329	Loading an empty experiment takes very long
592081	CDM: Possible that Headline from CDM is not correct updated when using QMD-Variables for File Name
592270	[WBID1631460624] Primitive failed in: PlatformFunction>>#callWith: due to General protection fault - read from invalid memory location - in case of a non-handled exception of an instrument plugin
593927	[NetWBID3651829353] System.InvalidOperationException: No support of simultaneous revokes + [WBID965162006] IDispatch call returned an exception. ErrorCode: 0x80131600 Source: Etas.Base.Shared. ExceptionInDotNETCOMServer_KeyWord - NetWBID3651829353
597591	Osci V7.1 signal list lower part of the characters are not displayed correctly in case scaling of display higher than 100% is used
609279	[WBID499694038] DBLookupTable does not understand getLibrary
610227	[WBID306560295] MCSNameObject does not understand indices
612693	EE: Wrong X axis values appear '-' instead of 0,1,2,3 in Combined Editor.
618640	[WBID836427402]MCSMainCtrl does not understand acquisitionManager
618956	Cannot open MDF4 measure files with MDA V7 or V8 from INCA DBB or EE & File format selection is not persisted
619287	CDM Multi Column: Right click should select underlying cell
619567	ASAP2: Different values copied in Clipboard when copied from Menu and copied from Editor in ASAP2 Editor
619729	API: It is possible to set identical Name to HW System/Device in HWC, though the same is not allowed manually
623233	ASAP3 option "Use hard bound limitation" works inconsistent
623780	CDM: Rounding/Quantization works not correct
624130	When the Advanced Code Check fails the "Continue" button should open directly the MPM



<b>624440</b>	CDM: Connection to ASAP2-project not possible
<b>625208</b>	Not possible to save MDF4 - file, in case user tries to save the data in a locked MDF4 - file (e.g. by MDA) - file dialog/handling enhancements.
<b>625515</b>	Impossible to download WP when EE is open. Note: Solved with INTECRIO V4.7.2.
<b>626144</b>	ETKC, HWC: When assigning a project the parameters are reset to the standard values
<b>626208</b>	MCE: It is possible to remove MCE variables from remote operation (e.g. ASAP3) before the session is terminated
<b>626788</b>	The values of one MAP can not be reverted from RP
<b>627087</b>	ASAP3: Command "Get Measurement Info" crashed the ASAP3.exe with measurementtable sword_2d_row_[0][0]
<b>627123</b>	ES886: Ethernet Monitoring is not possible. Note: Already solved with INCA V7.2.15.
<b>627241</b>	API: ReadFromExRAM (long start, long length): Address overflow on COM API memory read attempt. Solved with new API: public virtual sbyte[] ReadFromExRAM32(uint start, uint length ). Details see INCA Tool-API Documentation.
<b>628226</b>	No clear error message if no free capacity is available for measure file saving
<b>628955</b>	Rendering issues after the resizing of toolbars
<b>628987</b>	[WBID319742575] UndefinedObject does not understand isEmpty when compare via CDM
<b>630842</b>	MCE: Wrong signal is deleted from MCE variables list - in case Sorting is active
<b>630884</b>	BR_XETK-S2 : Flashing with the new Prof Flow results in error.
<b>631467</b>	INCA V7.3.0: Performance to close EE is slower compared to INCA 7.2.16
<b>631646</b>	DCM: Unprecise time information in CDM progress info dialog
<b>632629</b>	INCA V7.3.0: Inconsistency in File Save Dialog of Export Files (EE / VUI parts)
<b>632679</b>	Drive Recorder Export Dialog displays incorrect extension
<b>632888</b>	If INCA is started as "admin" then all shares from network are not available. Recommendation: Set [HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System] "EnableLinkedConnections"=dword:00000001
<b>632895</b>	ODX: Opening an Osci also opens DataLogging GUI
<b>633104</b>	Read calibration from file via EE doesn't work if Japanese characters are included
<b>633229</b>	Extended Device Type Identifier for ES160 are not working in INCA /SET Alias Name does not work
<b>633233</b>	Display dataset name / path better in switch view - mouse-over pop-up for the dataset name
<b>633350</b>	Optimized upload for XCP and CCP improved if ECU supports CRC checksum
<b>633718</b>	API: GetExperimentElementForCaseInsensitiveLabel Method does not work for Virtual devices
<b>634078</b>	INCA V7.3.1: Update of Alias Name is not working for network interface cards. It does not display the changed name.
<b>634657</b>	Calculated Signals "Available Signals" window title is missing. Observed while importing calculated signals from file.
<b>634858</b>	INCA converts DB to wrong folder when / is at the end of DB_Path in userdef.ini
<b>635315</b>	Save measurement files to USB memory: Same warning as necessary when saving to network path.
<b>635472</b>	CDM inline editor shows no Longname
<b>635787</b>	INCA Osci is visualised in another layer after searching variable with layer switch
<b>635965</b>	[WBID236536255] UndefinedObject does not understand at:ifAbsent:ifPresent:

<b>636122</b>	Values from 64 Bit integer signals wrongly displayed (with a leading zero) on the y-axis of the oscilloscope.
<b>636188</b>	EE: Possible that Calibration Label is only added in state Read Only to EE using User Option: Experiment -> Calibration -> Calibration Recording = Yes
<b>636470</b>	INCA V7.3.1: Performance EE Open from DB and Cancel is slower as compared to former version
<b>636970</b>	DB: INCA is crashing when try to open special DB with huge items
<b>636995</b>	Conversion of vtab signal does not work for dxl
<b>637012</b>	COM API: OpenNewCalibrationScenarioConfiguration does not work when EE was opened via Com API
<b>637067</b>	Calculated Signals: Graph Configuration on Calc Signal Dependency Viewer: Radio button did not work as a toggle button
<b>637077</b>	Tooltip text of some buttons is wrong
<b>637078</b>	INCA V7.3 The import filter option text for .ee-files to import exported layers is missing in the dropdown menu.
<b>637194</b>	[WBID2865036150]UndefinedObject does not understand setModified
<b>637295</b>	INCA-EIP: After flashing a data set to a hardware device, model execution (of a older model) may start automatically. Recommendation: Re-build the model with at least INTECRIO V4.7.0 or INTECRIO-RLINK V1.5.0.
<b>637424</b>	Target Server freezes during an overnight test with a call stack for a1b_XETK.dll 0x0ac59475
<b>637763</b>	Default Recording Setting in Demo DB are not user friendly hard coded.
<b>637804</b>	Inca 7.3.0 und 32bit ProF DLL ProF error: Wrong parameter calling fverify.dll - Warning: "... A 32-bit DLL is called from a 64-bit process"
<b>638227</b>	CDM: Warning for overwriting the file appears wrongly in case folder and file are not existing
<b>638289</b>	INCA Osci is lagging after switching through some Layer
<b>638291</b>	INCA V7.3.1 INCA AddOn-DriveRecorder unable to open Drive Recorder Configurator
<b>638343</b>	Initialization of documents fails while opening Variable Documentation
<b>638572</b>	ETAS License Manager: License cannot be returned, if the license file was removed as long as any license is borrowed. Improved error message.
<b>638751</b>	INCA Add-On ODX V7.3.1: Walkback when initializing a UDS device without A2L. [WBID2582491549] UndefinedObject does not understand a2IFileName
<b>638792</b>	INCA process hangs when importing AUTOSAR file
<b>639124</b>	Quantification does not work for CDFX connected to ASAP2 project
<b>639349</b>	CDM: [WBID2803963921] UndefinedObject does not understand contents:
<b>639394</b>	OHI definition for a single-instance host interface, avoiding spurious "port number" specifier in CSI URI
<b>639457</b>	INCA 7.3 - ASAP3 execution stops with messagebox
<b>639685</b>	INCA7.3 PROF Checksum together with RequestTransferExit
<b>639855</b>	Pictures were not known in the help "Overview of Variable Selection Dialog" in case of Japanese language
<b>639859</b>	Recording Delay while changing Memory Page to Working Page
<b>639878</b>	HWDevice SetName Method not triggering HWI DK API for Camera Device Naming
<b>639888</b>	LERT FlashRange CM with intersecting flash ranges is not accepted
<b>640311</b>	INCA V7.3: Calculated Signals -> Custom -> No line break in Description
<b>640555</b>	INCA V7.3 error message: 32-Bit DLL called from 64-Bit process, when installing Prof with dll's in [ChangePath] - and DLL changed. Solution: Exclude *.dll (and *.exe) from the \$prof-pattern recognition and replacement.

640596	INCA Add-On ODX V7.3.2: Walkback when initializing a UDS device without A2L. [WBID2582491549] ASAP2DBProject does not understand a2IFileName
640616	Calculated signals -> Import -> Signals not selected
640617	Calculated Signals -> View Dependencies -> Window size cannot be changed (to small)
640618	Calculated Signals -> View Dependencies -> Graphics disappear after editing a signal
640655	ETK Upload as ASCII String not possible in ProF. GET_STRING_FILE extended. Details see section "New Features and enhancements"
640723	IPM-NetworkManager of Version 17 and 18 changes will not be overtaken. Note: Solved with HSP V12.2.0
640731	WB when assign an arxml-file to FLX-Mon: [WBID3266805723] UndefinedObject does not understand isEmpty
640934	MAX_CTO smaller than (MAX_FLX_LEN_BUF - Header) leads to not received ECU response
641160	INCA ODX: Size of OBD-UI can't be reduced
641261	INCA does only for Ethernet Host Interfaces display the used communication channel in the HWC
641798	Replace a system ES5xx to a system ES8xx the HWC HW tree collaps
642290	INCA crashes during API-communication [WBID2209875786] UndefinedObject does not understand at:ifAbsent:ifPresent:
642309	Press VSD button might cause [NetWBID2791395256] System.InvalidOperationException: Experiment xml description did not pass the validation against the xml schema. Note: The experiment has to be repaired.
642540	Calibration Rewrite speed : INCA 7.3 Win 10 was slower than INCA 7.2 Win7

## 5.17 INCA V7.3.1

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### 5.17.1 Recommended Installation

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It is strongly recommended to update and down date INCA V7.3 (including INCA Add-Ons) only with help of the INCA Service Pack Installer.

**Very important:** After the installation, a reboot of the computer system is required. With the MSI-installation technology it is more important not to change any files manually else uninstallation and new installation (update) will very likely fail.

### 5.17.2 New Features and enhancements

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- All news of the current INCA Service Pack see INCA-V7.3 SP1 Whats-new.pdf.
- For more information see also INCA-V7.3-Introduction.pdf about native INCA V7.3 64-bit support, INCA V7.3 64bit Data Base, supported Operating Systems, consolidation of INCA Add-Ons, INCA Interfaces and phased out hardware and software.
- J2534 support with INCA V7.3 SP1.  
Usage of 3rd party hardware via J2534 (PassThru):  
INCA 7.3 as 64 bit application uses 64 bit drivers provided by other vendors to access their hardware.

It was found that existing drivers from other vendors are using a byte alignment that does not match the J2534 specification (J2534\_1\_2004 spec (section 9.2.2 Attaching to the Dll From an Application)).

In 32 bit applications this did not play a role but needs to be considered in 64 bit applications.

ETAS implemented its J2534 functionality from INCA using this non-standard-conform byte alignment to support existing drivers from other vendors.

In case you find your 3rd party hardware device using J2534 not working together with INCA, please ask the ETAS MCD support for assistance or the standard-conforming version.

Tested devices are Kvaser, PEAK, (Vector, but further issues found)

This behavior is subject to change in future INCA V7.3 versions.

- Ethernet/SOME\_IP Monitoring on local network cards  
INCA supports local network cards for Some/IP and Ethernet monitoring interface. To receive Jumbo frames or VLAN tagged frames additional network card specific setting could be needed. Network cards with not unique MAC address will be ignored (e.g. virtual network loop back adapter). Also network cards with DHCP IP address will be ignored.  
This feature prerequisites the manual installation of WinPcap V4.1.3. The installation is located in the INCA V7.3 Service Pack or DVD in folder `\Tools\WinPcap`

### 5.17.3 Known issues of INCA V7.3.1 – Important Hints

- Performance and memory consumption with the INCA V7.3 64 bit system  
Due to the migration to 64bit, the memory consumption might increase in some use cases, depending on configuration (projects and experiments).
- Installation: When the required packages of redistributables or .NET are not installed before the INCA V7.3 Service Pack, a reboot might be necessary.
- INCA V7.3 64 bit COM-API
  - Clients which are compiled for .NET x86 (32bit) are not supported
  - It is necessary that .NET clients are compiled for x64.
- INCA-MIP V7.3: MATLAB® 32bit versions are no longer supported with the INCA V7.3 - 64bit version.
- #631738 INCA does not support VN5610 and VN5640 with new driver mode "network-based mode"  
INCA supports only the old "Channel-based mode(legacy)"
- #627397 INCA V7.2: No linear formula in INCA for AUTOSAR files V3.2.2  
Autosar 3.2 is not supported anymore with INCA V7.3 but AUTOSAR 4.x.
- Known issue with new feature *64Bit Integer Support*
  - IF  
calibration is done in the INCA experiment or CDM
  - AND
  - a parameter of type 64Bit Integer is used
  - AND
  - the parameter holds a value that needs more than 52 bits for representation
  - AND
  - the user changes the values
  - AND

uses afterwards 'undo'

THEN

INCA does the 'undo' with the physical representation of the former value. The result is a 'casted' value that has less precision as the original former value.

#### 5.17.4 Known issues solved with INCA V7.3.1 – Important Hints

- J2534 support is not part of INCA V7.3 SP0.
- INCA Add-On ODX is not part of INCA V7.3 SP0.
- INCA V7.3 Data base export to INCA V7.2 is not supported with INCA V7.3.0.
- Performance and memory consumption with the INCA V7.3 64 bit system  
All relevant known issues improved with INCA V7.3.1.
  - Due to the migration to 64bit, the memory consumption might increase in some use cases, depending on configuration (projects and experiments).  
Note: Some use cases improved with INCA V7.3.1. Not all possible.
  - Performance of some actions may decrease:
    - Duration of HW (re-)initialization and open EE might increase, e.g. due to
      - MCE Add-On installed,
      - huge amount Calibration Recording items used,
    - open and close EE
    - import of huge INCA export files (.EXP)
  - some CDM actions.
- Calculated Signals: Some customer defined calculated signals might be not supported, especially on 2-byte character languages (operating systems).
- Flashing of some customer specific ProF configurations might not work.
- #634016 ProF ECU flashing with XETK/FETK (including dmETK in FETK mode) fails in case of an inconsistent device configuration for XCP target access.

**If**

INCA V7.2.16 or INCA V7.3.0 is used for ProF ECU flashing

**AND**

the XETK or FETK or dmETK in FETK mode are used

**AND**

the ProF-Flow contains the command ETK\_FPRG\_COMMAND

with following command parameters param1=3, param2=4, param3=7

**AND**

the according memory area for the XCP based 32Bit memory access is not configured for the device (A2L, ProF device hardware reconfiguration)

**THEN**

flashing will fail.

Affected INCA Versions: INCA V7.2.16 and INCA V7.3.0

Note: All ETKs are **not** affected.

This was a side effect from

*#631750 FETK/XETK: Disable Watchdog impossible because current INCA does not support to write to SPI Register via ProF script introduced with INCA V7.2.16 and INCA V7.3.0*

This change was reverted. Solution of #631750 is planned by adaptation of the Prof Skript.

- #636459 Calculated Signal RSFlipFlop shows wrong values  
If more than one RSFlipFlop is used in *Calculated Signals* the result is getting wrong. Independent if more than one RSFlipFlops are used in one "Set" or in different "Sets".  
Affected INCA Versions: All versions supporting RSFlipFlop.

### 5.17.5 Bug Fixes and Improvements

- Notes:
  - Some fixes are solved with the corresponding INCA – Add-Ons, which are part of the INCA Service Pack (SP) or solved in combination with the current HSP.
  - EHI calls are listed in increasing order

EHI #	Title
593228	[NetWBID3590868967] System.NullReferenceException: Object reference not set to an instance of an object.
603697	Performance Issue when opening experiment with INCA V7.2 (increase of 30% first time opening the experiment and 79% second time opening the experiment)
605205	Arxml2A2I: Controller with the same short name are not selectable in HWC
609926	[WBID2840447704] IDispatch call returned an exception. ErrorCode: 0x80131600 Source: Etas.Base.Shared. ExceptionInDotNETCOMServer_KeyWord - NetWBID1971169032
611188	[NetWBID368410299] System.ArgumentException: File format is not valid.
612474	[WBID3416515380]String does not understand between:and:
615707	[NetWBID3651829353] System.InvalidOperationException: No support of simultaneous revokes.
616210	INCA-CANTransmit: DBC Generator generated .net error
619529	INCA shows more signals in the VSD than CANape ==> Signals with no start position in the Autosar file are configured with start position 0 by default
619853	[WBID849423436] Abt.Nls.160.e: Conversion from code page 65001 to code page 819 is not supported - in case, the A2L contains no memory segments.
622409	INCA-SIP: Improvement of ECU Configuration UI
623690	Switching view when "CDM label viewer" is open leads to [WBID334007782] UndefinedObject does not understand mdiFrame. Note: Solved with INCA V7.2.15 and higher.
623769	After InitializeHardware is called from HWC Object recording does no more work
624350	INCA crashes when the open EE where closed during CAN DB generator is still open - [WBID3014711700] UndefinedObject does not understand multiRecorderFassade
624768	[WBID3040087547] Point does not understand collect: Occurs while performing Inline Compare operation on destination Dataset.
624981	[WBID1792865273] UndefinedObject does not understand getReferencedAxisPts
625975	CDM_path to write a file not valid
626726	Error message by HW init sporadically
626899	MDA8 not automatically displays INCA-EIP device data in Osci (from an INCA XDA). Note: Solved with INCA V7.3 SP1
627042	[WBID306560295] MCSCalibrationManager does not understand shell
627244	FETK device selection parameter resetting to default when change dataset

<b>627246</b>	CDM crash with WB during copying variable from dcm to dataset sporadically: [WBID3393061088] UndefinedObject does not understand calibrationObject
<b>628288</b>	VUI_Slider Editor_font size of variable name and value not plausible
<b>628870</b>	INCA-Touch: Recorde/Measure did not stop via INCA-TOUCH with multi-byte character in measure file path
<b>630042</b>	Return code of PUT LOOKUP TABLE does not match
<b>630168</b>	INCA V7.3.0 cannot import big size (190MB) EXP-file created from INCA V7.2
<b>630443</b>	ASAP3: Adjustment action "PUT LOOKUP TABLE TO AP-S" sets incorrect values
<b>630622</b>	Error message due to not compatible autosar file improved
<b>630679</b>	Several Shortcut ALT + key leads to unintended set of a Bit in Bitmask Widget
<b>630699</b>	CDM_ after "Connection to ASAP2 project" of file wrong compare result
<b>630781</b>	Text fields in VUI Font size changed after display scaling
<b>630784</b>	[WBID1023706050] (ExCPMStackOverflow) A stack overflow has occurred / or system freeze with large walk back file
<b>631145</b>	ServicePackInstaller: Current Action, Status or Hint Line should be more prominent
<b>631269</b>	INCA wrong resizing of value field and updown control in calibration window with silder editor and display unit activated
<b>631347</b>	ComReg --unreg should unregister all detected IPManager versions
<b>631382</b>	INCA takes Offline_Cal into consideration where it shouldn't
<b>631411</b>	[WBID4124600163] (ExCPMStackOverflow) A stack overflow has occurred.
<b>631412</b>	INCA creates wrong name for EIP-signals with ES830
<b>631433</b>	Initialize Hardware in INCA with two different ECUs: [WBID2204554262] (ExCLDTInvalidArgument) Invalid argument.
<b>631446</b>	ASAP2 : "[WBID1881728435] Exception is not resumable" occurs in ASAP2Editor while Clicking the "Values" Tab
<b>631555</b>	ES6xx: Pasting wrong data when copying from another channel in ES6xx hwc
<b>631574</b>	INCA V7.3.0 Performance VSD Close is slower by 50% in INCA 7.3 as compared to 7.2.16
<b>631609</b>	INCA Monitor: Missing device name in error messages
<b>631641</b>	INCA V7.3.0: Performance HW Initialize is slower in INCA 7.3 compared to INCA V7.2
<b>631781</b>	Measure file after snapshot not usable in MDA V8.4.1
<b>631918</b>	INCA-Touch: Measured value and scale have different decimal alignment
<b>631946</b>	[WBID3272217033] EINVAL (22) Invalid argument : Walkback when parsing converted Autosar file from BMW
<b>632458</b>	VSD: Changing the 'Representation' in 'Combined matrix editor' user option is not reflected in Display Configuration
<b>632467</b>	[WBID1391715928]UndefinedObject does not understand projectAccessDeviceClass - when the following API call is executed: IncaDataBase myActualDataBase = oINCA.GetCurrentDataBase();
<b>632510</b>	CDM: INI files generated from CDM are not saved with the proper data. When reloaded, CDM shows wrong data
<b>632668</b>	Performance DB: Read A2L and Hex is slower by 20% in INCA V7.3.0 compared to V7.2.16
<b>632689</b>	[WBID2249994343] True does not understand firstOrNil - due to not supported file format. Solution: Error message.
<b>632998</b>	When editing Custom Calc Signal, error was shown
<b>633127</b>	Walkback at ARXML FLX_Cluster import: [WBID3137195360] UndefinedObject does not understand writeTempFile
<b>633290</b>	ProF name is not visible in the Path Select Dialog

<b>633408</b>	DaisyChain: DaisyChain GUI update of tree view and table view does not match e.g. after "download configuration"
<b>633425</b>	Calculated Signals: Adding Constants while creating "Custom - Const" Calculated Signals is not successful
<b>633448</b>	INCA 7.3.0: [WBID3038385942] String does not understand asBytes - when starting recording via API
<b>633707</b>	INCA deleting Arrays out of VUI's if INDEX Alingment is changed
<b>633722</b>	CDM: WB duing CDM copy action. [WBID2181148066] Store into read-only object.
<b>633832</b>	Walkback if Import INCA 7.2 .exp file: [WBID1600186427] UndefinedObject does not understand not
<b>633884</b>	[WBID3271921605] Primitive failed in: EsAtom>>#replaceFrom:to:with:startingAt: due to Invalid class in argument 3
<b>633989</b>	INCA-SIP: "Simulation Device" visible for different bus types
<b>634016</b>	ProF ECU flashing with XETK/FETK (including dmETK in FETK mode) fails in case of an inconsistent device configuration for XCP target access. Consequently also disabling the MCU Software Watchdog Timers failed.
<b>634104</b>	INCA-MIP V7.3.0 Manual: Path to MIP folder was not updated to 64-bit Version
<b>634113</b>	INCA-MIP V7.3.0: Demo Database is missing after installation
<b>634524</b>	UFE button greyed-out when Non-UFE controller on top of HW config hierarchy tree
<b>634722</b>	INCA_does not read a2l (generated by DAMOS++) with unused COMPU_VTAB when NumberValuePairs is 0
<b>634877</b>	[WBID849423436] Abt.Nls.160.e: Conversion from code page 65001 to code page 819 is not supported - in case, the A2L contains no memory segments.
<b>635280</b>	XETK/FETK and only Distab17: Variables can be selected only in a certain order
<b>635308</b>	[WBID2021639509] String does not understand asBytes
<b>635311</b>	[WBID2021639509] String does not understand asBytes
<b>635469</b>	Cuboid: Hard bounds exceeded when copying a CDFx or dataset into a dataset
<b>635740</b>	[NetWBID3544567579] System.FormatException: Der Formatbezeichner war ungültig.
<b>635897</b>	Seed&Key DLL error
<b>636083</b>	INCA calculated Signal dialog is not diplayed correctly
<b>636097</b>	ServicePackInstaller: NLS - column "comments" not translated to German
<b>636105</b>	INCA - ES886 - Ethernet Monitoring: Critical Exception after swtiching HW off, once ES886-Ethernet Monitoring was initialized
<b>636309</b>	CDM Copy data and QM-Basic entry from cdfx-file to dataset, then in the standard copy history entry the source is missing
<b>636351</b>	INCA V7.3.0 Calculated Signal: Not possible to create a calculated signal for devices with German characters (Umlaute)
<b>636459</b>	Calculated Signal RSFlipFlop shows wrong values
<b>636552</b>	INCA V7.3.0: Unable to replace the 'Measured signal' for already defined and saved calculated signal.
<b>636796</b>	INCA is crashing on hardware init: [WBID770159079] EtasGenericHWItemSystemVersion3 does not understand key
<b>636848</b>	INCA Prof SeednKey.dll is not working with INCA V7.3.0
<b>637373</b>	INCA V7.3.1 Beta: INCA Block addresses for bigdata att in MDF4.1 measure file not multiple of 8 bytes
<b>637954</b>	DaisyChain: DaisyChain GUI update of tree view and table view does not match e.g. after "download configuration"





## 5.18 INCA V7.3.0

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### 5.18.1 Recommended Installation

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It is strongly recommended to update and down date INCA V7.3 (including INCA Add-Ons) only with help of the INCA Service Pack Installer.

**Very important:** After the installation, a reboot of the computer system is required. With the MSI-installation technology it is more important not to change any files manually else uninstallation and new installation (update) will very likely fail.

### 5.18.2 New Features and enhancements

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- All news of the current INCA Service Pack see INCA-V7.3 Whats-new.pdf.
- Read more in INCA-V7.3-Introduction.pdf about native INCA V7.3 64-bit support, INCA V7.3 64bit Data Base, supported Operating Systems, consolidation of INCA Add-Ons, INCA Interfaces and phased out hardware and software.
- #631750 FETK/XETK: Disable Watchdog impossible because current INCA does not support to write to SPI Register via ProF script  
INCA V7.3.0 and higher supports now 32 bit write accesses to the ECU memory via the ProF script.  
This can be used e.g. to write to SPI register in order to disable the ECU watchdog in preparation for ECU flashing.  
Addendum April 21, 2020: Reverted with INCA V7.3.1. See “*Known issues solved with INCA V7.3.1 - Important Hints*”.

### 5.18.3 Known issues of INCA V7.3.0 – Important Hints

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- INCA Add-On ODX and J2534 support are not part of INCA V7.3 SP0. Both are planned with one of the upcoming INCA V7.3 Service Packs.
- INCA V7.3 Data base export to INCA V7.2 is not supported with INCA V7.3.0. It is planned to enable it with INCA V7.3.1.
- Performance and memory consumption with the INCA V7.3 64 bit system
  - Due to the migration to 64bit, the memory consumption might increase in some use cases, depending on configuration (projects and experiments).
  - Performance of some actions may decrease:
    - Duration of HW (re-)initialization and open EE might increase, e.g. due to
      - MCE Add-On installed,
      - huge amount Calibration Recording items used,
    - open and close EE
    - import of huge INCA export files (.EXP)
    - some CDM actions.
- Installation: When the required packages of redistributables or .NET are not installed before the INCA V7.3 Service Pack, a reboot might be necessary.
- Calculated Signals: Some customer defined calculated signals might be not supported, especially on 2-byte character languages (operating systems).
- Flashing of some customer specific ProF configurations might not work.
- INCA V7.3 64 bit COM-API
  - Clients which are compiled for .NET x86 (32bit) are not supported

- It is necessary that .NET clients are compiled for x64.
- INCA-MIP V7.3: MATLAB® 32bit versions are no longer supported with the INCA V7.3 - 64bit version.
- #631738 INCA does not support VN5610 and VN5640 with new driver mode "network-based mode"  
INCA supports only the old "Channel-based mode(legacy)"
- #627397 INCA V7.2: No linear formula in INCA for AUTOSAR files V3.2.2  
Autosar 3.2 is not supported anymore with INCA V7.3 but AUTOSAR 4.x.
- Known issue with new feature *64Bit Integer Support*  
IF  
calibration is done in the INCA experiment or CDM  
AND  
a parameter of type 64Bit Integer is used  
AND  
the parameter holds a value that needs more than 52 bits for representation  
AND  
the user changes the values  
AND  
uses afterwards 'undo'  
THEN  
INCA does the 'undo' with the physical representation of the former value. The result is a 'casted' value that has less precision as the original former value.

#### 5.18.4 Known issues solved with INCA V7.3.0 – Important Hints

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- #631013 CDM writes sometimes unexpected values during CDM listing to the data exchange file (e.g. DCM, CDF, PaCo, CVX)  
**IF**  
CDM is used in parallel to INCA-Experimental Environment (INCA-EE) with running measurement or recording  
**AND**  
CDM Listing-, CDM Compare- or CDM Copy-action is executed  
**THEN**  
it is possible that the result contains wrong values, which are displayed or written to the data exchange file.

Notes: INCA V7.0 up to INCA V7.2.15 is affected.

Appearance of the issue is more likely, the more items in the EE are displayed and updated in parallel to the CDM action.

Workaround: Stop the measurement or recording in the INCA-EE and then execute the CDM-actions

OR

Write the "data exchange file" directly from INCA-EE without CDM.

- #597666 Possible data loss with ES4xx devices in case of high load situations (e.g. high data rates) AND a second network card connected to the company network  
Solved with INCA V7.2.16 and INCA V7.3.0.  
Nevertheless, it is recommended to switch the company network off, to avoid data loss in case of high data rates. Such data loss might be caused by some repetitive computer management tasks (e.g. by IT departments) which are scheduled when

the computer is connected to a company network.  
 Known issue: Data loss will still occur with Intel® Gigabit-CT-Desktop-Adapter;  
 Product Code: EXPI9301CTBLK or EXPI9301CT. In case it is recommended to  
 exchange it. ETAS released this fix with Delock PCI Express Karte > 1 x Gigabit LAN;  
 Item No: 89156 (<https://www.delock.de>)

- #625918 WB in CDM "Multi-column" when moving columns: [WBID34407603]  
 UndefinedObject does not understand longName  
 If you use CDM in Multi Column View  
   **AND**  
   you select a column by clicking to the column title  
   **AND**  
   you move the selected column to a value field inside CDM  
   **THEN**  
   a WB may occur  
 To avoid the problem do not try to move the columns of the multi column view in  
 CDM
- 603992 Recorded CHARACTERISTIC value is always set "0" if "Calibration  
 Recording" with MDF3 is used with a BIT\_MASK and BIT\_MASK is not set on LSB  
 (0001) but higher Bits (e.g. 0010).  
   **If**  
   MDF3 for Calibration Recording is used  
   **AND**  
   BIT\_MASK is used for Calibration with CHARACTERISTIC  
   **AND**  
   the bitmask is not set to the LSB (*least significant bit*) but a higher bit position  
   **THEN**  
   the recorded value of the Calibarion is always zero (0).  
   **Note:** Calibration works correctly.  
   **Workaround:**  
   - Use MDF 4.  
   - Workaround for MDF3: Use an "outputsignal" for recording the calibration.

#### 5.18.5 Bug Fixes and Improvements

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- Notes:
  - Some fixes are solved with the corresponding INCA – Add-Ons also part of the INCA Service Pack (SP) or in combination with current HSP.
  - EHI calls are listed in increasing order

EHI #	Title
532158	INCA Installation: EULA Agreement can not be confirmed on Resolution 2730x1824 with Font 200%
579605	EE: "[WBID595466429] IDispatch call returned an exception. ErrorCode: 0x80004005 Source: <unknown>. <LOCALIZED>MdfLib:: Unknown exception" can occur during recording
584050	No polling signal can add into experiment once Project base address isn't equal 0
585274	ASAP2Ed: Possible that after leaving Weak Bounds Upper or Lower with Tab Key the value is changed

<b>596555</b>	EE takes 5 minutes to open when a lab file with 56000 labels is added in VSD. Note: Improved to less than 5 Seconds with INCA V7.3.0
<b>596557</b>	Adding a lab file in VSD with 56000 labels takes 5 mins. Note: Improved to less than 10 Seconds with INCA V7.3.0.
<b>596905</b>	[WBID3155437212] RBVUIMoveAndScaleWrapperWithText does not understand storageVUIObject:
<b>597666</b>	Possible data loss with ES4xx devices in case of high load situations (e.g. high data rates) AND a second network card connected to the company network. Solved with INCA V7.2.16 and INCA V7.3.0.
<b>603528</b>	[WBID1420769584] EIO (5) I/O error [53]
<b>603992</b>	Recorded CHARACTERISTIC value is always set "0" if "Calibration Recording" with MDF3 is used with a BIT_MASK and BIT_MASK is not set on LSB (0001) but higher Bits (e.g. 0010).
<b>608983</b>	No possible to see which lables from the Lab-file was not taken in an experiment
<b>610009</b>	[WBID1813346873] IDispatch call returned an exception. ErrorCode: 0x80131600 Source: Etas.Base.Shared. ExceptionInDotNETCOMServer_KeyWord - NetWBID1971169032
<b>612081</b>	EE: Monotony error message appears twice.
<b>612171</b>	EE: Undo leads to different results for special Matrix dependent on the selected cells (values)
<b>615704</b>	MDF format switching is not successfully executed by API
<b>615901</b>	MDA8 : Table instruments does not displayed properly of multi bytes message. Note: Solved with INCA V7.3.0
<b>616858</b>	Missing data values have been detected during measurement
<b>616896</b>	[WBID3523642367] UndefinedObject does not understand tabList
<b>617694</b>	EE: Drag & Drop from label using Combined Editor into CSE leads to effect that Combined Editor shows more than the selected label
<b>619161</b>	[NetWBID3703246127] System.NullReferenceException: Der Objektverweis wurde nicht auf eine Objektinstanz festgelegt.
<b>619470</b>	Using of Display_Identifier leads to manual trigger after reloading the EE
<b>620513</b>	[WBID1201862911] + [NetWBID1584879455] System.Runtime.InteropServices.InvalidComObjectException: COM object that has been separated from its underlying RCW cannot be used.
<b>621369</b>	ES4xx devices lost channel information.
<b>621384</b>	INCA options are not correct after change of user profile
<b>621775</b>	CDM: Multi Column CDM shows also Inline Editor if last label was removed from List
<b>621777</b>	CDM: WB([WBID1256181380] Primitive failed in: Object>>#at: due to Index out of range in argument 1) when type in Character in Multi Column CDM List without selected Label
<b>621911</b>	[WBID3084758410] UndefinedObject does not understand input
<b>622021</b>	CDM Multi Column: Select/Deselect all does not work.
<b>622028</b>	INCA-EIP calibration editor hanging
<b>623103</b>	WP is downloaded completely instead just of the differences
<b>623851</b>	XCP upload fails if hex file contains only data
<b>623945</b>	INCA shall provide correct Japanese encoding information in xda file header
<b>624236</b>	CDM crashes when open a label with [WBID5506419] UndefinedObject does not understand deferRedraw:
<b>624242</b>	CDM - opened label is not closeable in CDM. Reopend ever. Only closeable over closing complete CDM.
<b>624753</b>	[WBID1779156887] Exception is not resumable

<b>624792</b>	INCA-CANTransmit: Rate Range does not match documentation
<b>624894</b>	CDM crash when copy paste [WBID2854506838] Character does not understand convertFor:
<b>625233</b>	WB while opening Experiment from CDM: [NetWBID1584879455] System.Runtime.InteropServices.InvalidComObjectException: COM object that has been separated from its underlying RCW cannot be used
<b>625344</b>	CANFD XCP : Vector device is not automatically reinitialized in "Retry Always" mode
<b>625505</b>	[WBID2725107926] System error on attempt to close CDM
<b>625540</b>	Using CDM Option is unexpected updated: CDM is now opened within Multi Column CDM which was before opened as normal CDM
<b>625772</b>	CDM: For Scalars in Inline Editor is Changing Value executed 2 times when requested by Hotkey
<b>625813</b>	Copy and paste value from Excel to INCA did not work in case Name of TAB in Excel with Japanese (2Byte) Characters
<b>625842</b>	INCA-SIP: Project Overwrite does not show when Model name and Project name end up not being the same CASE
<b>625918</b>	WB in CDM "Multi-column" when moving columns: [WBID34407603] UndefinedObject does not understand longName
<b>626142</b>	CDM: [WBID2439505596] DEAxisObjects does not understand cdmFunctionSortBlock:
<b>626335</b>	CDMMultiColum Filtering - Filter toggle "Value matrix" filters also "Cubes"
<b>626372</b>	CAN-Monitoring with ARXML and SecOC at Frame level does not work
<b>626774</b>	[WBID1166204626](ExCLDTIndexOutOfRange) Index out of range. Note: Solved with INCA V7.2.15
<b>626798</b>	INCA freezes sporadically if a start-stop is detected during measurement
<b>627029</b>	Changes done to 'Display x axis' and 'Display y axis' options in Properties window are not saved properly.
<b>627160</b>	Multicomun CDM: filter is not applied correctly after exchanging source and destination
<b>627198</b>	No values from device FETK when two FETKs are connected on an ES89x device.
<b>627703</b>	Unable to reset enumerated axis map to reference page values for selected area
<b>627796</b>	INCA-SIP: Could not display test points in the variable selection window of INCA.
<b>628084</b>	Copy from DCM not performed: When manually editing INCA supports a feature "set to limits". All values outside the bounds are set to the limits. The Copy in CDM does not support this to avoid unexpected results.
<b>628273</b>	BR_XETK-S40_ Flash driver does not start
<b>628338</b>	Loss of communication after running reset/controller flash. Note: Solved with HSP V12.0.0
<b>628415</b>	Intermittent Target server crash due to high amount of calculated signals used in the experiment. Note: Improved, but due to performance it is recommended to reduce the amount of calculated signals.
<b>628432</b>	INCA-CANTransmit: Missing samples on USB Devices
<b>628461</b>	INCA V7.3.0 Beta: Typical ProFConfig with DLLs in INCA 7.3 not supported
<b>628489</b>	Invalid parameter detected: CAN_SEND_CYCLIC_MESSAGE_START" message
<b>628631</b>	Multicolumn CDM is not active when corresponding option is set in cdmDefault.ini
<b>628676</b>	XETK-V2 project : After Running Reset of ECU, handshake with ECU is not performed normally yet. Note: Solved with HSP V12.0.0
<b>628731</b>	SFH hostInterfaces dialog - checkboxes do not look correctly
<b>628746</b>	[WBID2388367314] CDMTableWidget does not understand expandPos:notify:makeVisible:
<b>628771</b>	ServicePackInstaller: Changing UI language improved for 64 Bit installations

<b>628825</b>	Error handling in CCP upload is not correct
<b>628913</b>	Text fields in VUI changes position undesired
<b>628922</b>	CDM: WB "[WBID570147687] MISSING 2 in krn" occurs when opening menu "Datasets" from CDM using MultiColumnView
<b>629110</b>	Update references INCA Release Notes / Installation Guide according privileges
<b>629301</b>	ETAS License Manager: Returning a License does not work without .lic-file
<b>629307</b>	[WBID3896808366] ASAP2NameTableCharacteristic does not understand , - Solved by repairing the experiment
<b>629513</b>	FETK-S1.1: No error message if too many Trace windows with the same core are defined. Note: Solved with HSP V12.0.0
<b>629566</b>	ServicePackInstaller: Creat Installation.xml with new 64 bit entries / 64 bit support
<b>629596</b>	Switching layer in experiment: [WBID1798690937] Primitive failed in: PlatformFunction>>#callWith:with:with:with:with: due to Value out of range in argument 4
<b>629998</b>	NeoVI Fire 2 displays UUID error in INCA due to outdated "ocdj2534can.dll". Recommendation: Rename to "ocdj2534can.dll.old" in "C:\Program Files (x86)\ETAS\ED-EBI_V2\Bin\Win32\Dll".
<b>630051</b>	P3max setting causes Seed request error
<b>630213</b>	INCA online Help how to install a ProF config needs improvement.
<b>630227</b>	[WBID3329787912] UndefinedObject does not understand byteAt: + [WBID3421345940] UndefinedObject does not understand byteAt:
<b>630327</b>	XETK-S21.0B "Error in XETK Protocol driver: XCP Communication error" occur after HSP changed from V11.5.1 to V11.14.0
<b>630413</b>	Usage of ES1135 with ASAP3 causes [WBID3910621239] (ExCPMStackOverflow) A stack overflow has occurred.
<b>630462</b>	CAN-Output device always reports connected
<b>630475</b>	Huge delay when opening experiments which contain HWI.DK/OHI devices with many signals
<b>630730</b>	Slews not zeroing on import and export
<b>630803</b>	Importing calculated signal from INCA7 to MDA8 has a wrong raster assigned
<b>630806</b>	FETK-T3 Visualization not working on all variables after configuration change. Note: Solved with HSP V12.0.0
<b>630808</b>	Copy and Paste of channel information for ES6xx causes INCA to freeze
<b>631013</b>	CDM writes sometimes unexpected values during CDM Compare, CDM Copy and CDM listing to the data exchange file (e.g. DCM, CDF, PaCo, CVX)
<b>631255</b>	MCE with ETK does not allow to calibrate after read error due to T15 off. Note: Solved with HSP V12.0.0
<b>631270</b>	[NetWBID1584879455] System.Runtime.InteropServices.InvalidComObjectException: COM object that has been separated
<b>631340</b>	TargetServer crashes during HW Int. with callstack 0xC0000005 in VectorPCAP.dll; If the Vector device is connected in cascade
<b>631750</b>	FETK/XETK: Disable Watchdog impossible because current INCA does not support to write to SPI Register via ProF script
<b>631921</b>	[ETK-S6.0] ES910.3 - ETK: Second start measurement failed. Note: Solved with HSP V12.0.0
<b>632128</b>	INCA V7.3.0 Beta: Project with multi byte character file path caused Hardware Configuration Error
<b>632510</b>	CDM: INI files generated from CDM are not saved with the proper data. When reloaded, CDM shows wrong data
<b>633127</b>	Walkback at ARXML FLX_Cluster import: [WBID3137195360] UndefinedObject does not understand writeTempFile

## **6 Contact, Support and Problem Reporting**

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

ETAS subsidiaries	WWW:	<a href="http://www.etas.com/en/contact.php">www.etas.com/en/contact.php</a>
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