Press Release

Still Faster with ETAS INCA V7.1

New features and increased system performance accelerate work processes

- Breezes through work on large ECU projects
- Compares calibration data records concurrently with ongoing experiment
- New, high-performance oscilloscope with extended display options

In the course of its 15 years on the market, the INCA application tool has grown a user base of more than 25,000. One of the major focal points in the development of the tool's latest release, INCA V7.1, was the improvement of system performance as it relates to the handling of ECU projects featuring a large contingent of measurement and calibration variables.

When acquiring data, INCA V7.1 utilizes all available processor kernels of a multi-core PC. During recording, it is possible to index measurement files, significantly accelerating access and processing of the respective data in the Measured Data Analyzer (MDA). INCA V7.1 enables the user to simultaneously open both the experiment environment and Calibration Data Manager (CDM). The CDM then compares current calibration data with the reference page data. Similarly, several sets of working data can be compared and copied in the CDM concurrently with the open experiment environment.

The new oscilloscope integrated into the experiment environment of INCA V7.1 makes it possible to split the display of analog measurement values into several horizontal sections; this facilitates the vertical stacking of a variety of signal groups in the display. And because dynamic axes automatically adapt to the current measured values, the oscilloscope always shows the entire measurement range. To analyze measurement data, the oscilloscope display can be stopped and scrolled back during an ongoing measurement session. In this way, cursors aid in the quick evaluation of already acquired measurement values. Upon exiting the analysis mode, the current measurement values are again automatically displayed.

INCA V7.1 supports the Fibex V3.1.1 and XCP V1.1 versions of the standards for the description of vehicle buses and communications with ECUs. In terms of CAN monitoring, INCA now supports, in addition to DBC files, also AUTOSAR system configuration templates V3.1 and V3.2.

In ODX-LINK, the INCA diagnostic add-on, the required configuration effort was significantly reduced. INCA automatically recognizes and configures the OBD interface of connected ECUs.

When used in conjunction with the ETAS INCA-EIP add-on, INCA can also be used for rapid prototyping. The support also extends to the new RTPRO-PC software, which can be used to turn an off-the-shelf PC into a real-time capable rapid prototyping target. The new INCA-VLINK and INTECRIO-RLINK blocksets from ETAS facilitate the model-based generation of code in Simulink®, which can be run either on Windows PCs or on the ETAS prototyping targets. In both cases, INCA-EIP V7.1 provides the familiar measurement and calibration access.

As with previous versions, INCA V7.1 can be installed in parallel with other INCA versions.

Caption: The new oscilloscope in INCA V7.1.

ETAS GmbH

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