ETAS
DRIVING EMBEDDED EXCELLENCE

DriveRecorder for Diagnostic Data INCA-ODX Add-on for ES820

Do you know the challenge?

You are a calibration engineer and you want your DriveRecorder to be able to record some signals from the OBD interface for diagnostic purposes.

Our solution

ES820 & INCA-ODX Add-on

The built-in INCA-ODX add-on for DriveRecorder is able to record and validate the signals coming from the OBD interface together with the ones coming from ECUs, sensors, CAN/LIN/FLX busses. Moreover, it is possible to read and clear fault memory, to trigger the recording by diagnostic events, and to use the existing ETAS measurement and calibration hardware modules.

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How does it work?

An example of our solution:
clear the fault memory and log the diagnostic data from the ECU

Step 1

First of all you have to create your experiment in INCA on your PC: select (among the others) the signals from the OBD interface and export the DriveRecorder .exp file by selecting Hardware -> Drive Recorder -> (Optimized) Export... (Fig.1).

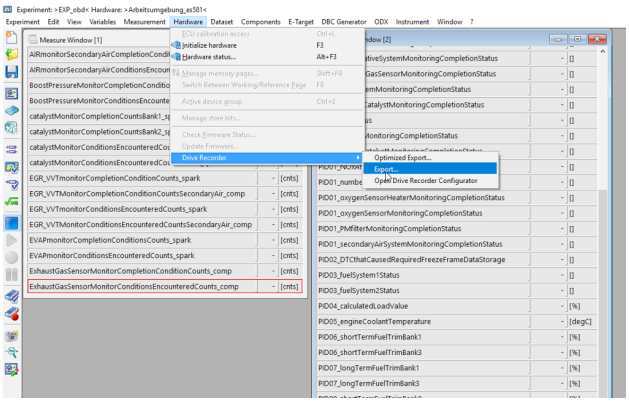

Fig. 1

Step 2 and 3

Then, connect the ES820 and configure your recording job within the DriveRecorder ConfiguratorTool:

- create a new Recording Job
- double-click or drag&drop the INCA export file to the right side of the page
- optionally, you can add some diagnostic events (clear/ read fault memory before or after measurement) as Fig.2
- set the Start condition as Automeasure (Fig.3)
- File -> Apply the recording job to the DriveRecorder

And now, you are ready to go with your DriveRecorder and validate OBD data!

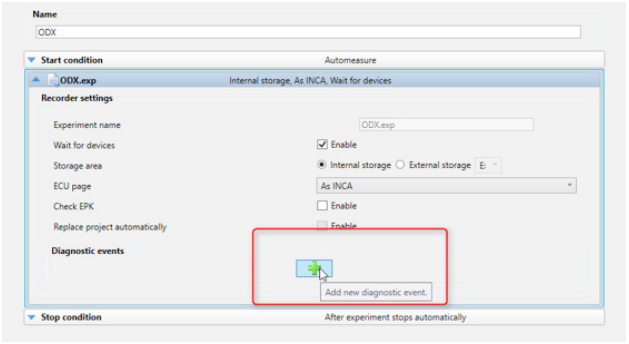

Fig. 2

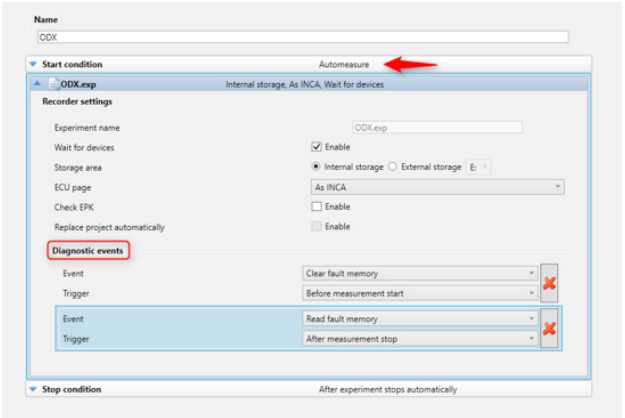

Fig. 3

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Tools used

- INCA 7.2.15
- DriveRecorder Configurator Tool 7.2.15
- ES820 SP15
- ES9x/ES600.2 & ES59x with OBD cable
- ODX-Link license for PC and ES820

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