



Question:

Is it possible to save the datasets for the working and reference page, the ECU description file and the calibration actions performed in a recording with INCA in the measurement file and export them again?



Answer:

You can save the used datasets, the ECU description file and calibration actions as well as bus description files (e.g. CAN DB or Autosar in INCA V7.3.4 or higher) into the mf4 file if this is enabled within the user options in INCA (since V7.3.2 or higher).

The following INCA user options are required.

The prerequisite for this is the previously set MDF File type V4.x [to set via *User Options: Experiment → Messen → Adjust measure options: General → MDF File typ → mdf 4.x*].

INCA V7.3.7

Database Edit View Options Utilities Dataset Experiment Project Device ?

User Options

Option	Value
Measure	<-General, Measure Window, Oscilloscopes, Measurement Docum
Calibration	<-General, Calibration , Table editor, Calibration Window ->
Support for Big Data Recording	<-General->

Adjust Big Data Options

General

Option	Value
Enable Big Data Support	Yes
Write Description File	Include in MDF (zipped)
Write Reference Page	Include in MDF (zipped)
Write Working Page	Include in MDF (zipped)
Write Calibration Events	Yes

The datasets and the ECU description file from such a MF4 file can be exported with the MDA V8.5.5 or higher to reuse it again for example in INCA.

You can find the export function of these files in the File Explorer of the MDA V8.

If the measurement file contains such attachments, you have a node in front of the file name, which you can expand to see the attachments and with a right click on the attachments it can be extracted.

If you extract the files one by one, the existing name will be taken as its displayed, if you select several files and extract them at the same time, the extension (WP/RP) will be added.

Also you can see in the Information Window of the file the checksum for WP/RP and see if it was identical or not.

The screenshot displays the ETAS MDA 8.5.7 Build 650 interface. On the left, the File Explorer shows a tree view under '*Konfiguration857_bigdata.xdx' with a sub-entry '[1] measureExperimentadin0_100ms02-03-2022_002.mf4'. This entry is expanded to show three files: 'ASAM2_B.a2l', 'HEX01_B.hex', and 'HEX01_B.hex'. A red box highlights these files, and a context menu is open with the 'Extract Attachment(s) ...' option selected.

In the center, the 'Oszilloskop' (Oscilloscope) window shows a signal trace with a value of 2.0541 B.

On the right, the 'Information Window' displays the properties for the selected file. The table below shows the parameters and their values:

Parameter	Value
ETK:111	
name	-
type	Software
description	
description file	\MDFAttachments\ETK-Testdevice{D0
checksum ecu side	0xD192
checksum tool side	0xD192
dataset rp	
description file	\MDFAttachments\ETK-Testdevice{D0
checksum ecu side	0xCB28
checksum tool side	0xCB28
dataset wp	
description file	\MDFAttachments\ETK-Testdevice{D0

Red boxes highlight the 'checksum ecu side' and 'checksum tool side' rows for both 'rp' and 'wp' datasets. A red double-headed arrow indicates the comparison between the 'rp' and 'wp' checksum values.



In case of further questions:

Please feel free to contact our Support Center, if you have further questions.
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