

ISOLAR-AB - Importing DBC - EcuC values are not updated



- \circ $\;$ I followed the instructions in the User guide to import DBC file
- \circ I see that the system tree in the project gets updated with the contents of the DBC
- But the BSW modules are not configured accordingly in ECU
- BSW modules tree is empty and that is not expected after a DBC import
- Is DBC import, ECU extract import possible with an evaluation license?
- During import of a DBC file some EcuC values are not updated:
- \circ In ECU Configurator \rightarrow AUTOSAR_CAN [Project] \rightarrow System \rightarrow Pdus
 - There are several **Pdus** displayed, for example "BMS_BatteryMeasure_Rx"

开 Test_Workspace - AUTOSAR - ISOLAR-AB 3.0.1
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o In ECU Configurator → AUTOSAR_CAN [Project] → Bsw Modules → Other Modules → EcuC "EcuC" → EcuPduCollection "EcucPduCollection" → Pdus



- There are several Pdus displayed but **not** the "BMS_BatteryMeasure_Rx"
- $\circ~$ The Pdus which are displayed in **ECU Configurator** \rightarrow **AUTOSAR_CAN**
- $[Project] \rightarrow System \rightarrow Pdus \text{ are not displayed under } BSW \text{ Modules } \dots$
- The expectation is that the Pdus from System ... are displayed under Bsw Modules ... as well

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Answer

- The following instructions start from a new project to the expected result
- Common traps: Step **4** and steps **11 & 12**
- 1. In ISOLAR-AB \rightarrow ECU Navigator \rightarrow ECU Configurator \rightarrow Import Example Projects



2. In dialog New Example \rightarrow Under AUTOSAR BSW \rightarrow Select AUTOSAR BSW Examples \rightarrow Click Next > button



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3. On next page \rightarrow Select **AUTOSAR_CAN** \rightarrow Click **Finish** button

New Example	
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install AUTOSAR_CAN Example	
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This is an example for complete CAN stack configuration (AUTOSAR System	A Rename
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I.Generate code for CAN Stack	
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4. In view Filesystem Navigator \rightarrow AUTOSAR_CAN \rightarrow Tools \rightarrow **Project_EcucValues.arxml**: Right mouse button click → **Delete**

Test_Workspace - AUTOSAR - ISOLAR-AB 3.0.1
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5. In **ECU Configurator** \rightarrow On newly created project \rightarrow Left mouse button click

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6. In icon bar \rightarrow Click **DBC Importer** icon

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7. In dialog **Import DBC** \rightarrow Panel **DBC** \rightarrow Click **Browse** button

File Name					Brow	/se =
Network Network Type: BaudRate (Bits/s)	Network Name	<u> </u>			+	1
Add Can Controller	X Delete Can Controlle	r				
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File Name Package Name				B	rowse	

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8. In dialog **Select DBC File** \rightarrow Navigate to DBC file \rightarrow Click **Open** button

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9. Back in dialog **Import DBC** \rightarrow Click **Next** > button

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10. On next page \rightarrow Panel **Configure ECU for System Template** \rightarrow Click in square on the left side of **BMS** \rightarrow Click **Finish** button

ECU ShortName	Existing ECUs	Existing Controllers	Related Networks	
ECU		_		
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BMS				
TST				
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11. In view **ECU Navigator** \rightarrow **AUTOSAR_CAN [Project]**: Right mouse button click \rightarrow **Open With** \rightarrow **System Editor**

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12. In view **System Editor** \rightarrow Click **Synchronize** button

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pe filter text	File to Sync Project EcucValues.arxml	✓ Scripts Location
Bsw	Fourto Sync //DBC SysDesc Can Network/Pkg Ecu/BMS	✓ Multiple File Selection
Signals (49)		
> 🕞 Pdus (15)		Select PDUs Validate Synchronize Customize Preference
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Transformation Overview		
> Networks (1)		
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13. In ECU Configurator \rightarrow AUTOSAR_CAN [Project] \rightarrow System \rightarrow Pdus

• There are several Pdus displayed, for example "BMS_BatteryMeasure_Rx"



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In ECU Configurator \rightarrow AUTOSAR_CAN [Project] \rightarrow Bsw Modules \rightarrow Other Modules \rightarrow EcuC "EcuC" \rightarrow EcuPduCollection "EcucPduCollection" \rightarrow Pdus 0

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ComIPdu "UDS_Rx_Phys_Id_0x4E0_Can_Network_CANNODE_0_Rx"
ComIPdu "BMS_BatteryMeasure_Rx_Can_Network_CANNODE_0_Rx"
ComIPdu "BMS_EngineState_Rx_Can_Network_CANNODE_0_Rx" ComIPdu "BMS_StateOfHealth By Can Network CANNODE 0_Pv"
ComPdu BMS_stateOrneant_to_Can_Network_CANNODE_0_to ComPdu "Nm Message Rx Can Network CANNODE 0 Rx"
ComIPdu "XCP_RX_FRAME_Can_Network_CANNODE_0_Rx"
b ComIPdu "BMS_BatteryMeasure_Tx_Can_Network_CANNODE_0_Tx"
ComIPdu "TST_TestResultFrame_Can_Network_CANNODE_0_Tx"
ComIPdu "BMS_EngineState_Tx_Can_Network_CANNODE_0_Tx" ComIPdu "Manager TextProvideForms Com Network CANNODE 0_Tv"
ComIPdu Memory_restResultFrame_Can_Network_CANNODE_0_1X ComIPdu "BMS_StateOfHealth_Tx_Can_Network_CANNODE_0_Tx"
ComIPdu "UDS Tx Phys Id 0x4F0 Can Network CANNODE 0 Tx"
ComIPdu "XCP_TX_FRAME_Can_Network_CANNODE_0_Tx"
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EcucPduCollection "EcucPduCollection"
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Pdu "UDS_Rx_Phys_Id_0x4E0_Can_Network_CANNODE_0_CanIf2PduR"
Pdu "UDS_Rx_Phys_Id_0x4E0_Can_Network_CANNODE_0_PduR2Com"
Pdu "BMS_BatteryMeasure_Rx_Can_Network_CANNODE_0_CanIf2PduR"
Pdu "BMS_BatteryMeasure_Rx_Can_Network_CANNODE_0_PduR2Com"
Pdu "BMS_EngineState_Rx_Can_Network_CANNODE_0_Canif2PduR"

BSW Modules are configured: BSW Modules tree is not empty 0

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