**Pre-Conditions:**

1. Merge existing CNH DBC importer modifications into the new updated plugins
2. New importer scripts are already merged inside of the WL49 baseline

**Steps Taken:**

**\*Some of these steps would be unnecessary when starting with a new project (or complete COM configuration)**

**RTE Project**

1. Delete existing SFB\_WL49\_CAN.arxml file
2. Re-import DBC file
   1. Name file SFB\_WL49\_CAN.arxml
   2. Select "SFB" ECU
   3. Check "Append Frame Names to Signals"
3. Re-name create ECU from "SFB" to "SFB\_ECU"
4. Copy in "Conn\_Master\_SFB\_SFB" LinCommunicationConnector to the SFB\_ECU ECU (relevant only for existing LIN configuration)
5. Copy in "Master\_SFB" LinMaster to the SFB\_ECU ECU (relevant only for existing LIN configuration)
6. Remove the EcuInstance from System/Autosar Nm/J1939NmConfig\_0/J1939NmCluster\_0/J1939NmNode\_0/J1939NodeName
   1. Still a known RTE generation bug, due to 4.2.1 schema support
7. Generate a SystemExtract from the Sys\_SFB
8. Place generated SystemExtract ARXML file inside the BswConfig folder

**BSW Project**

1. Deleted existing J1939\_Bsw\_Values.arxml file
2. Delete all CNH\_RTA\_J1939\_\* files
3. Delete App\_EcucValues.arxml
4. Delete Dcm\_EcucValues.arxml
5. Delete Odx\_Bsw\_Values.arxml
6. Delete J1939\_Bsw\_Values.arxml
7. Import SFB\_ECU\_BSW project
8. While under the AUTOSAR perspective, select the SFB\_ECU\_BSW project
9. Import J1939 ODX file using the ODX importer
   1. Follow default options, make sure you don't select to update the SFB extract, and don't select Generate System or Generate BSW
10. Import UDS ODX file
    1. Make sure to check that you want to update the SFB\_ECU and J1939\_Cluster
       1. The System Extract ARXML file should now reside inside of the BSW project folder. The reason for this is that when importing the UDS ODX file, it will update information inside of the System file (CanTp in particular), which is then needed when doing the System import into the BSW configuration.
    2. Make sure you select Generate System under the Select Services window
11. Switch to the BCT perspective
12. Import System Extract ARXML file through the EcuExtract process
13. Ensure the CanIf HRH/Rx/TxPdu/Hardware Objects are in line with the MCAL configuration
14. Run Generate ID (All) for all the modules
15. Generate BSW
    1. Leave unchecked for a Partial build items pertaining to Memory (MemIf, Eep, etc) and items related to CanNm (J1939Nm is used instead of CanNm)

**RTE Generation**

1. Back in the RTE project, make sure to refresh the entire project (or close and re-open if necessary) to get all newly generated SWCD files
2. Generate an updated Ecu Extract
3. Generate the RTE