How to set HSM in Development Mode

Life Cycle is represented in ASW via variable curState_u32, in CB - via cbutil_Guam_EcuMode.LfCycState.

Series mode activation for XCP is visible in variable XcpAppl stActvn.

To set HSM from Series to Development mode please use the following steps:

1. Start Address Identification of PIB (Password Import Block)

Please check the start address of PIB in ecy_hsm_export.xml:

Example of PIB context and structure:

```
Block Präfix = 0xAA5555AA

Block-ID = 0x0001

Block Length = 0x0010 \rightarrow 16 bytes

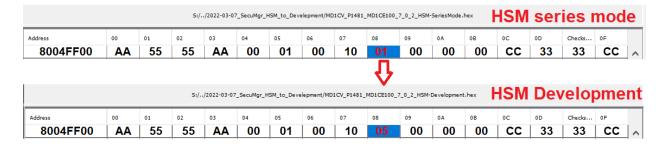
NextLifeCycle = 0x01000000 \rightarrow here "InField 1" state for Serial Device.

Block Suffix = 0xCC3333CC
```

2. Update PIB to Development Mode

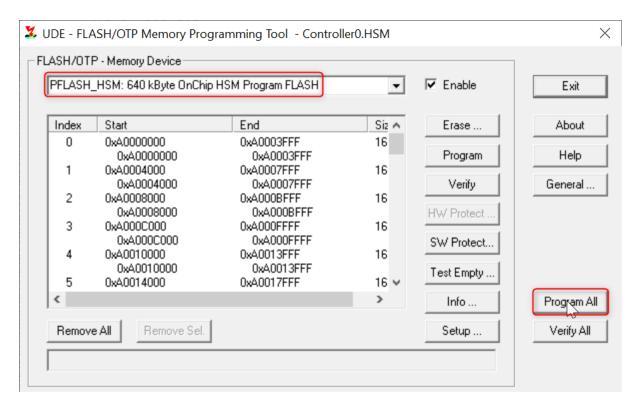
Please load the hex file in **HexmodX**-tool and update the **NextLifeCycle** value under address HSM_PID + offset 8 to value 0x05000000 for Development Device "PrivModeDev".

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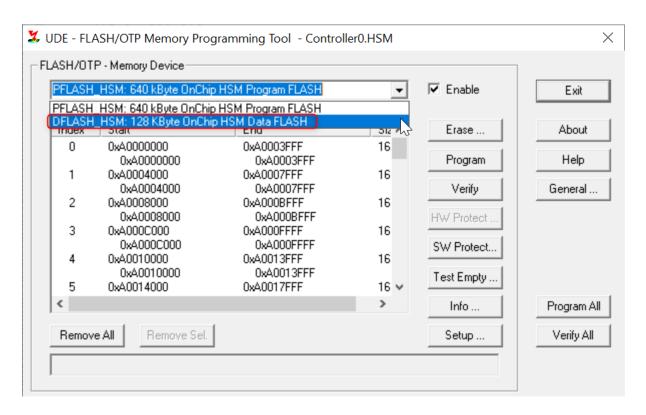


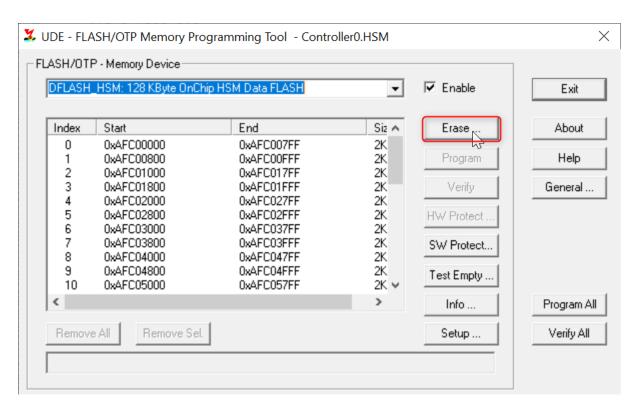
Please create/save a new hex file with updated PIB and load it in debugger tool (UDE).

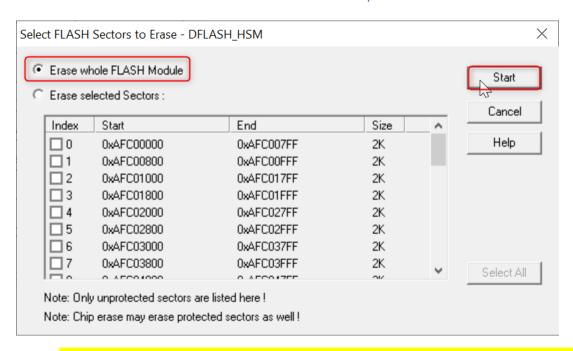
3. Program HSM P-Flash



4. Erase HSM D-Flash







Hint 1: If the HSM D-Flash is <u>not</u> erased after reprogramming of HSM P-Flash, the device mode will not be updated.

Hint 2: If the series mode can<u>not</u> be deactivated, please check whether the **TRUSTED_BOOT_TABLE** is configured for SB in **ecy_hsm_ecucvalues.arxml** as static internal data - **INT_DATA**.