### DR-REQ-366427/B-Long Term Reset for DTE

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| **Title**  **Long Term Reset for DTE** | **ID**  DR-REQ-366427 | **Revision**  B  **Status** |
| **Meets** | | |
| **Applies To**  SSFT 16\_Electrified Vehicle Controls | |  |
| **Legacy ID** | | |
| **Vehicle Configuration**  BEV Single Motor Transmission [BEV], Modular Hybrid Transmission PHEV [MHT\_PHEV], PHEV Power Split Transmission [PHEV] | | |
| **Rationale** | | |
| **Notes** | | |
| **Up-Links**  SR-REQ-206424/C-Base Historical Efficiency Learning[[VSEM](https://www.vsemweb.ford.com/tc/launchapp?-attach=true&-s=226TCSession&-o=jJqFG_ysx3NrTD)] | **Down-Links** | |
| **Verified By Test Method(s)** | | |

**Description**

The VSC shall perform a long term reset of DTE parameters when any of the following conditions are true:

* A Long Term Reset is requested from the cluster (LongTermReset\_B\_Rq = 0x1 OR LongTermReset\_B\_RqMnu = 0x1)

OR

* The VSC has recently been flashed

OR

* A corruption of NVRAM is detected

When a long term reset occurs, the VSC shall reset the following base DTE and trailer DTE values to their calibratable parameters:

* Long Term Average Energy Consumption
* Short Term Average Energy Consumption
* Average vehicle speed
* Range Impact Display values
* CEDTE Energy history tables
* Label Distance per Full Charge

*Rationale/Notes:*

*Since these calibrations can vary from vehicle to vehicle, a long term reset must be initiated to set the variable to the vehicle specific value. With the release of OTA flashing, it is no longer sufficient to simply have this Long Term Reset included in the flash procedure for a dealership – the HPCM must be able to self-detect flashes and apply the vehicle calibrations.*