# SW3.1 Diagnostic Status Quo

This Page shall combine Information of all CDD implemented for SW Release 3.1.  
Only ECU that participated in the release will be shown in the mentioned tables. If something is marked as Done the information can be accessed on ECU with this SW installed. For example if DTC Categorie Electrical is set to Done then electrical related DTC shall be implemented and they are able to be read out.

For more detailed information make sure to check stories of the following epic:  
[[PM2025-10948] [SW3.01] Phase 1: Diagnostics CRs Created - Jira (atlassian.net)](https://driveholon.atlassian.net/browse/PM2025-10948)

## Legend

DONE - Fully implemented

PARTIALLY - Not all Information is available but implementation has started (<100%)

Not Planned -

TO DO - Implementation has not started

# DTC Categories

For a more detailed DTC Category description please check the follower of preevision:

2.2.1.7.2.4 DTC Categories - EE\_REQ\_8129 / BPM;1 (Requirement (shall))

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Electrical** | **System Health** | **Communication** | **Software** | **Flashing related** | **Security Related** | **EoL Provisioning** | **Legislated** |
| EDU | Done | Not Planned | PARTIALLY | PARTIALLY | To Do | To Do | Not Planned | Not Planned |
| MKC1 | PARTIALLY | Not Planned | PARTIALLY | PARTIALLY | To Do | To Do | Not Planned | Not Planned |
| MK100 | PARTIALLY | Not Planned | PARTIALLY | PARTIALLY | To Do | To Do | Not Planned | Not Planned |
| ISCS | PARTIALLY | Not Planned | PARTIALLY | PARTIALLY | To Do | To Do | Not Planned | Not Planned |
| TCU |  |  |  |  |  |  |  |  |
| CGW-1 | Done | Not Planned | In Progresss | In Progress | To Do | To Do | Not Planned | Not Planned |
| CGW-2 |  |  |  |  |  |  |  |  |
| CVS |  |  |  |  |  |  |  |  |
| BCM |  |  |  |  |  |  |  |  |
| CDM | PARTIALLY | Not Planned | To Do | To Do | To Do | To Do | Not Planned | Not Planned |
| VCU | Done | Not Planned | PARTIALLY | PARTIALLY | To Do | To Do | Not Planned | Not Planned |
| ASS | Done | Not Planned | PARTIALLY | PARTIALLY | To Do | To Do | Not Planned | Not Planned |

# Snapshot Data

Snapshot data according to the following preevision chapter is saved in parallel to each DTC.

Snapshot data - EE\_REQ\_6014 / BPM;1 (Requirement (shall))

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **EDU** | **MKC1** | **MK100** | **ISCS** | **TCU** | **CGW-1** | **CGW-2** | **CVS** | **BCM** | **CDM** | **VCU** | **ASS** |
| Snapshot Data | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY |  | Not Planned |  |  |  | PARTIALLY | PARTIALLY | PARTIALLY |

# DID Categories

For more detailed information on DID Categories please check the following chapter of preevision:

2.2.1.7.2.6 DID Categories - EE\_REQ\_16083 / BPM;0 (Requirement (shall))

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Identification** | **Measurement** | **Calibration** | **Security** | **Health Monitor** | **Security Related** | **EoL** | **Variant Coding** |
| EDU | PARTIALLY | PARTIALLY | To Do | Not Planned | Not Planned | Not Planned | Not Planned | Not Planned |
| MKC1 | PARTIALLY | PARTIALLY | PARTIALLY | To Do | Not Planned | To Do | Not Planned | Not Planned |
| MK100 | PARTIALLY | PARTIALLY | PARTIALLY | To Do | Not Planned | To Do | Not Planned | Not Planned |
| ISCS | PARTIALLY | PARTIALLY | PARTIALLY | To Do | Not Planned | To Do | Not Planned | Not Planned |
| TCU |  |  |  |  |  |  |  |  |
| CGW-1 | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | Not Planned |  | Not Planned | Not Planned |
| CGW-2 |  |  |  |  |  |  |  |  |
| CVS |  |  |  |  |  |  |  |  |
| BCM |  |  |  |  |  |  |  |  |
| CDM | PARTIALLY | PARTIALLY | PARTIALLY | To Do | Not Planned | To Do | Not Planned | Not Planned |
| VCU | PARTIALLY | PARTIALLY | PARTIALLY | Not Planned | Not Planned | Not Planned | Not Planned | Not Planned |
| ASS | PARTIALLY | PARTIALLY | PARTIALLY | Not Planned | Not Planned | Not Planned | Not Planned | Not Planned |

# Routine Categories

For more detailed information on Routine Categories please check the following preevison chapter:

2.2.1.7.2.5 Routine Categories - EE\_REQ\_16082 / BPM;0 (Requirement (shall))

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Flashing related** | **Configuration / EoL** | **Security related** | **Calibration related** |
| EDU | PARTIALLY | PARTIALLY | Not Planned | PARTIALLY |
| MKC1 | PARTIALLY | Not Planned | Not Planned | Not Planned |
| MK100 | PARTIALLY | Not Planned | Not Planned | Not Planned |
| ISCS | PARTIALLY | Not Planned | Not Planned | Not Planned |
| TCU |  |  |  |  |
| CGW-1 | PARTIALLY | Not Planned | PARTIALLY | Not Planned |
| CGW-2 |  |  |  |  |
| CVS |  |  |  |  |
| BCM |  |  |  |  |
| CDM | To Do | Not Planned | Not Planned | Not Planned |
| VCU | PARTIALLY | Not Planned | Not Planned | Not Planned |
| ASS | PARTIALLY | Not Planned | Not Planned | PARTIALLY |

# UDS Services

For more detailed information on Unified Diagnostic Services (ISO 14229) check the following preevision chapter:

2.2.1.7.2.2 Unified Diagnostic Services - EE\_REQ\_1903 / BPM;1 (Requirement (shall))

## Diagnostic and Communication Management

Link to preevision chapter:

2.2.1.7.2.2.1 Diagnostic and Communication Management - EE\_REQ\_8259 / BPM;1 (Requirement (shall))

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **0x10 Session Control** | **0x11 ECU Reset** | **0x27 Security Access** | **0x28 Communication Control** | **0x3E Tester Present** | **0x85 Control DTC Setting** | **0x86 Response on Event** | **0x87 Lin Control** |
| EDU | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | Not planned | To Do |
| MKC1 | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | Not planned | Not planned |
| MK100 | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | Not planned | Not planned |
| ISCS | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | Not planned | Not planned |
| TCU |  |  |  |  |  |  |  |  |
| CGW-1 |  |  |  |  |  |  |  |  |
| CGW-2 |  |  |  |  |  |  |  |  |
| CVS |  |  |  |  |  |  |  |  |
| BCM |  |  |  |  |  |  |  |  |
| CDM | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | Not planned | Not planned |
| VCU | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | Not planned | To Do |
| ASS | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | Not planned | To Do |

## Data Transmission, Stored Data Transmission, Input/Output Control and Routine Control

Link to preevision chapter:

2.2.1.7.2.2.2 Data Transmission - EE\_REQ\_8260 / BPM;1 (Requirement (shall))

2.2.1.7.2.2.3 Stored Data Transmission - EE\_REQ\_8258 / BPM;1 (Requirement (shall))

2.2.1.7.2.2.4 Input Output Control - EE\_REQ\_8257 / BPM;1 (Requirement (shall))

2.2.1.7.2.2.5 Remote Activation of Routine - EE\_REQ\_8262 / BPM;1 (Requirement (shall))

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **0x22 Read DID** | **0x2E Write DID** | **0x14 Clear DTC** | **0x19 Read DTC** | **0x2F Input/Output Control DID** | **0x31 Routine Control** |
| EDU | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY |
| MKC1 | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY |
| MK100 | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY |
| ISCS | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY |
| TCU |  |  |  |  |  |  |
| CGW-1 |  |  |  |  |  |  |
| CGW-2 |  |  |  |  |  |  |
| CVS |  |  |  |  |  |  |
| BCM |  |  |  |  |  |  |
| CDM |  |  |  |  |  |  |
| VCU | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY |
| ASS | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY | PARTIALLY |

## Upload and Download

Link to preevision chapter:

2.2.1.7.2.2.6 Upload Download - EE\_REQ\_8261 / BPM;1 (Requirement (shall))

|  |  |  |  |
| --- | --- | --- | --- |
|  | **0x34 Request Download** | **0x36 Transfer Data** | **0x37 Request Transfer exit** |
| EDU | PARTIALLY | PARTIALLY | PARTIALLY |
| MKC1 | PARTIALLY | PARTIALLY | PARTIALLY |
| MK100 | PARTIALLY | PARTIALLY | PARTIALLY |
| ISCS | PARTIALLY | PARTIALLY | PARTIALLY |
| TCU |  |  |  |
| CGW-1 |  |  |  |
| CGW-2 |  |  |  |
| CVS |  |  |  |
| BCM |  |  |  |
| CDM | PARTIALLY | PARTIALLY | PARTIALLY |
| VCU | PARTIALLY | PARTIALLY | PARTIALLY |
| ASS | PARTIALLY | PARTIALLY | PARTIALLY |

# Perform Software Update

For more detailled Information check the following links.

Supplier specific update tool: [Flashing manuals - People Mover 2025 - Confluence (atlassian.net)](https://bentelergroup.sharepoint.com/wiki/spaces/PM2025/pages/194969606/Flashing+manuals)

Holon Diagnostic Tool: [[PM2025-11471] ECU Flashing Req. Baseline 2024 - Jira (atlassian.net)](https://driveholon.atlassian.net/browse/PM2025-11471)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **EDU** | **MKC1** | **MK100** | **ISCS** | **TCU** | **CGW-1** | **CGW-2** | **CVS** | **BCM** | **CDM** | **VCU** | **ASS** |
| Supplier Specific | DONE | DONE | DONE | DONE | DONE | DONE | DONE | DONE | DONE | DONE | DONE | DONE |
| Holon Diagnostic Tool |  |  |  |  |  |  |  |  |  |  |  |  |