| ID | UDS diagnostic specifications. | MQ\_state | MQ\_type | MQ\_Release | MQ\_testability | MQ\_safetyrelevant |
| --- | --- | --- | --- | --- | --- | --- |
| SW10-1 | 1 Diagnostic | agreed | headline | n/a | n/a | false |
| SW10-3 | 1.1 Diagnostic protocol services | agreed | headline | n/a | n/a | false |
| SW10-191 | 1.1.1 Supported Interfaces | agreed | headline | n/a | n/a | false |
| SW10-192 | 1.1.1.1 CAN | agreed | headline | n/a | n/a | false |
| SW10-193 | The SCM shall use the NORMAL addressing scheme | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-194 | The SCM shall require the use of 29-bit extended CAN ID's | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-201 | The SCM shall have a maximum transport protocol message length of 4095 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-202 | The SCM shall have a tester present ID of 0x3E00 for physical connections | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-203 | The SCM shall have a tester present ID of 0x3E80 for functional connections | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-1626 | 1.1.1.1.1 JDM UDS Message Configuration | agreed | headline | n/a | n/a | false |
| SW10-195 | The SCM shall use the address 0x18DAF5FE for all JDM CAN-ID requests | agreed | requirement | C1\_Sample@JDM | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-196 | The CAN ID request is based on J1939 PGN 0xDA with a destination address of 0xF5 and a source address from any other valid ECU address on the CAN bus for JDM modules. | agreed | requirement | C1\_Sample@JDM | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-197 | The SCM shall use the address 0x18DAFEF5 for all CAN-ID responses from the JDM | agreed | requirement | C1\_Sample@JDM | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-198 | The CAN ID response is based on the J1939 PGN 0xDB00 with a destination address equal to the requesting ECU and a source address of 0xF5 on the JDM. | agreed | information | C1\_Sample@JDM | n/a | false |
| SW10-199 | The SCM shall use the address 0x18DBF5FE for all functional CAN-ID requests on the JDM | agreed | information | C1\_Sample@JDM | n/a | false |
| SW10-200 | The SCM shall use the address 0x18DBFEF5 for all functional CAN-ID responses from the JDM | agreed | information | C1\_Sample@JDM | n/a | false |
| SW10-1627 | 1.1.1.1.2 KPM UDS Message Configuration | agreed | headline | n/a | n/a | false |
| SW10-1628 | The SCM shall use the address 0x18DAF7FE for all KPM CAN-ID requests | agreed | requirement | C1\_Sample@KPM | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1629 | The CAN ID request is based on J1939 PGN 0xDA with a destination address of 0xF7 and a source address from any other valid ECU address on the CAN bus for KPM modules. | agreed | requirement | C1\_Sample@KPM | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1630 | The SCM shall use the address 0x18DAFEF7 for all CAN-ID responses from the KPM | agreed | requirement | C1\_Sample@KPM | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1631 | The CAN ID response is based on the J1939 PGN 0xDB00 with a destination address equal to the requesting ECU and a source address of 0xF7 on the KPM. | agreed | information | C1\_Sample@KPM | n/a | false |
| SW10-1632 | The SCM shall use the address 0x18DBF7FE for all functional CAN-ID requests on the KPM | agreed | information | C1\_Sample@KPM | n/a | false |
| SW10-1633 | The SCM shall use the address 0x18DBFEF7 for all functional CAN-ID responses from the KPM | agreed | information | C1\_Sample@KPM | n/a | false |
| SW10-2293 | 1.1.1.1.3 Modular Keypad 6 Button UDS Message Configuration | agreed | headline | n/a | n/a | false |
| SW10-2294 | The SCM shall use the address 0x18DAF6FE for all Modular Keypad 6-button CAN-ID requests | agreed | requirement | B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2295 | The CAN ID request is based on J1939 PGN 0xDA with a destination address of 0xF6 and a source address from any other valid ECU address on the CAN bus for Modular Keypad 6-button modules. | agreed | requirement | B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2296 | The SCM shall use the address 0x18DAFEF6 for all CAN-ID responses from the Modular Keypad 6-button | agreed | requirement | B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2297 | The CAN ID response is based on the J1939 PGN 0xDB00 with a destination address equal to the requesting ECU and a source address of 0xF6 on the Modular Keypad 6-button. | agreed | information | B1\_Sample@MK6BTN | n/a | false |
| SW10-2298 | The SCM shall use the address 0x18DBF6FE for all functional CAN-ID requests on the Modular Keypad 6-button | agreed | information | B1\_Sample@MK6BTN | n/a | false |
| SW10-2299 | The SCM shall use the address 0x18DBFEF6 for all functional CAN-ID responses from the Modular Keypad 6-button | agreed | information | B1\_Sample@MK6BTN | n/a | false |
| SW10-4 | 1.2 Transport protocol | agreed | headline | n/a | n/a | false |
| SW10-171 | The SCM shall use UDS over CAN (ISO15765) to communicate all diagnostic messages with Marquardt's internal end of line test equipment | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1797 | When messages contain more than 8 bytes of data, the data shall be broken into 8 byte messages. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1798 | The first transmission of a multipacket message shall contain the total byte count of the message excluding the byte count data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1799 | The first byte of each transmission shall contain the packet number of the transmission. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1800 | The flow control of data shall be handled using the Vector CAN stack driver. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-5 | 1.3 Calibration | agreed | headline | n/a | n/a | false |
| SW10-172 | The SCM shall allow for calibration of individual PWM trim levels to adjust each Indicator and backlight channel during operation. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-6 | 1.4 Configuration | agreed | headline | n/a | n/a | false |
| SW10-175 | Viewing diagnostic messages in the SCM shall require Extended diagnostic mode access | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-176 | Programming of the SCM through diagnostic messages shall require programmer mode access | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-12 | 1.5 Diagnostic Messages | agreed | headline | n/a | n/a | false |
| SW10-1892 | The SCM shall support reading UDS messages only while in Extended Diagnostic Session. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1893 | The SCM shall support writing to UDS messages only while in Programmer Session. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1894 | The SCM will not support UDS outside of the production environment with exception to gaining access to the advanced UDS diagnostic sessions. | agreed | information | n/a | n/a | false |
| SW10-2192 | 1.5.1 Negative Response Code Conditions | agreed | headline | n/a | n/a | false |
| SW10-2193 | The ECU shall transmit the response code 0x12 when a requested sub-function is not supported by the ECU. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1912 | The ECU shall transmit the response code 0x13 when the data length of the request is does not match the expected data length within the ECU. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1913 | ~~The ECU shall transmit the response code 0x14 when the message exceeds the limit of the transport protocol for the ECU.~~ | agreed | requirement | obsolete | n/a | false |
| SW10-2186 | ~~The ECU shall transmit the response code 0x22 when the ECU is unable to perform the operations request due to internal processing priorities.~~ | agreed | requirement | obsolete | n/a | false |
| SW10-2187 | The ECU shall transmit the response code 0x31 when the value transmitted to the ECU is outside of the upper and lower boundary limits as specified. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1914 | The ECU shall transmit the response code 0x33 when Security Access information has not been provided and the ECU is still in a locked state. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2194 | The ECU shall transmit the response code 0x35 when a security access key has been transmitted with an incorrect value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-2195 | The ECU shall transmit the response code 0x36 when the number of attempts to gain security access has been exceeded. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-2196 | The ECU shall transmit the response code 0x37 when the timout for attempting security access after the number of access attempts were exceeded is still being enforced. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-2191 | The ECU shall transmit the response code 0x72 when an error has been detected while trying to write the data to memory within the ECU. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-177 | 1.5.2 Diagnostic Sessions | agreed | headline | n/a | n/a | false |
| SW10-206 | Access to the diagnostic session services will be done through diagnostic session control 0x10 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-179 | 1.5.2.1 Default Session | agreed | headline | n/a | n/a | false |
| SW10-182 | The application shall use Diagnostic Session type 0x01 for access to the default session. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-184 | The application shall send the positive response 50 01 and the appropriate data when the session is entered correctly | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1728 | The P2SM\* value shall have a valid range of 0x0000 to 0xFFFF, 0 to 65535 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1729 | The P2SM\* value shall provide a timer resolution of 1ms. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1745 | The P2SM\* shall have a default value of 0x0032, 50 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1730 | The P2EM\* value shall have a valid range of 0x0000 to 0xFFFF, 0 to 65535 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1731 | The P2EM\* value shall provide a timer resolution of 10ms. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1744 | The P2EM\* shall have a default value of 0x01F4, 500 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1764 | The P2SMH byte shall be the high byte value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1765 | The P2SML byte shall be the low byte value. | in work | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1766 | The P2EMH byte shall be the high byte value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1767 | The P2EML byte shall be the low byte value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-185 | The application shall send the negative response 7F 10 and the appropriate negative response code when a session error occurs. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-187 | The positive response code shall provide a 2 byte HEX dump and a 2 byte linear value with a multiplier of 10. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-221 | Negative response codes shall have the listed values: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1934 | The ECU shall transmit response code 0x12 when the requested function is not supported by the ECU. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1935 | The ECU shall transmit response code 0x13 when the data length of the request does not match the expected data length of the command. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1936 | ~~The ECU shall transmit response code 0x22 when the ECU is unable to respond to the request.~~ | agreed | requirement | obsolete | n/a | false |
| SW10-180 | 1.5.2.2 Programming Session | agreed | headline | n/a | n/a | false |
| SW10-1634 | Access to the programming session shall require security access | in work | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-204 | The application shall use Diagnostic Session type 0x02 for access to the programming session. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-207 | The application shall send the positive response 50 01 and the appropriate 4 bytes of data when the session is entered into correctly | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1732 | The P2SM\* value shall have a valid range of 0x0000 to 0xFFFF, 0 to 65535 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1733 | The P2SM\* value shall provide a timer resolution of 1ms. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1742 | The P2SM\* value shall have a default value of 0x0032, 50 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1734 | The P2EM\* value shall have a valid range of 0x0000 to 0xFFFF 0 to 65535 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1735 | The P2EM\* value shall provide a timer resolution of 10ms. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1743 | The P2EM\* value shall have a default value of 0x01F4, 500 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1768 | The P2SMH byte shall be the high byte value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1769 | The P2SML byte shall be the low byte value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1770 | The P2EMH byte shall be the high byte value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1771 | The P2EML byte shall be the low byte value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-208 | The application shall send the negative response 7F 10 and the appropriate negative response code when a session error occurs. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-209 | The positive response code shall provide a 2 byte HEX dump and a 2 byte linear value with a multiplier of 10. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-210 | Negative response codes shall have the listed values: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1931 | The ECU shall transmit the response code 0x12 when the requested function is not supported by the ECU. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1932 | The ECU shall transmit the response code 0x13 when the data received has the wrong data length. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1933 | ~~The ECU shall transmit the response code 0x22 when the ECU is unable to respond to the request.~~ | agreed | requirement | obsolete | n/a | false |
| SW10-2254 | The ECU shall transmit response code 0x33 when the ECU has not been unlocked using the security access routines. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-181 | 1.5.2.3 Extended Session | agreed | headline | n/a | n/a | false |
| SW10-1635 | Access to the extended session shall require security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-232 | The application shall use diagnostic session type 0x03 for access to the Extended diagnostic session. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-233 | The application shall send the positive response 50 03 and the appropriate 4 bytes of data when the session is entered into correctly. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1736 | The P2SM\* value shall have a valid range of 0x0000 to 0xFFFF, 0 to 65535 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1737 | The P2SM\* value shall provide a timer resolution of 1ms. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1740 | The P2SM\* shall have a default value of: 0x0032, 50 decimal | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1738 | The P2EM\* value shall have a valid range of 0x0000 to 0xFFFF, 0 to 65535 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1739 | The P2EM\* value shall provide a timer resolution of 10ms. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1741 | The P2EM\* shall have a default value of: 0x01F4, 500 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1772 | The P2SMH byte shall be the high byte value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1773 | The P2SML byte shall be the low byte value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1774 | The P2EMH byte shall be the high byte value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1775 | The P2EML byte shall be the low byte value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-234 | The application shall send the negative respinse 7F 10 and the appropriate negative response code when a session error occurs. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-235 | The positive response code shall provide a 2 byte hex dump and a 2 byte linear value with a multiplier or 10. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-236 | Negative response codes shall have the listed values: | agreed | requirement | obsolete | n/a | false |
| SW10-1927 | The ECU shall transmit response code 0x12 when the requested function is not supported by the ECU | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1928 | The ECU shall transmit response code 0x13 then the data received is of the incorrect length for the requested command. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1929 | ~~The ECU shall transmit resonse code 0x22 when the ECU is unable to respond to the request.~~ | agreed | requirement | obsolete | n/a | false |
| SW10-1930 | The ECU shall transmit response code 0x33 when the ECU has not been unlocked using the security access routines. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-178 | 1.5.3 Security Access | agreed | headline | n/a | n/a | false |
| SW10-251 | Access to the diagnostic Security Access services shall be through diagnostic session control 0x27. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2288 | The Security access seed shall have a minimum value of 0x00000000. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2289 | The Security access seed shall have a maximum value of 0xFFFFFFFE. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1561 | The Security access seed shall have a value of 0x00000000, 0 decimal, when the ECU is already unlocked. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1562 | ~~The security access seed shall have a value of 0xFFFFFFFF, 4,294,967,295 decimal, when the ECU is unprogrammed.~~ | agreed | requirement | obsolete | n/a | false |
| SW10-1563 | The security access seed shall have a valid unlocked key value range of 0x00000001 to 0xFFFFFFFE, 0 to 4,294,967,294 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-249 | 1.5.3.1 Seed Request | agreed | headline | n/a | n/a | false |
| SW10-250 | The application shall use session ID 0x01 to transmit the security access key to the requesting device. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-253 | The application shall send the positive response 67 01 with the 4 byte security access key data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1776 | the SEED0 byte shall contain the high byte data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1777 | The SEED3 byte shall contain the low byte data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-254 | The application shall send the negative response 7F 27 with the appropriate negative response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1637 | This sub-function shall use the following negative response codes: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1922 | The ECU shall transmit response code 0x12 when the ECU is unable to support the requested function. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1923 | The ECU shall transmit response code 0x13 when the data received by the ECU is of the incorrect data length. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1924 | ~~The ECU shall transmit response code 0x22 when the ECU is unable to respond to the command~~ | agreed | requirement | obsolete | n/a | false |
| SW10-1925 | The ECU shall transmit response code 0x24 when the KEY value has been received before the seed request has been transmitted. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1888 | While the Security Access timout is being enforces, the SCM shall respond to requests for security access with response code 0x37. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-265 | 1.5.3.2 Send Key | agreed | headline | n/a | n/a | false |
| SW10-2253 | The ECU requesting security access shall have a maximum of ***diag\_SecAccess\_ResponseTimeout*** to respond before the seed is invalid | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-266 | The application shall use session ID 0x02 to receive the security access key from the device attempting communications. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1778 | The KEY0 byte shall contain the high byte data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1779 | The KEY3 byte shall contain the low byte data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-267 | The application shall send the positive response 67 02 for a correct security access key | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-268 | The application shall send the negative response 7F 27 for an incorrect security access key with the appropriate negative response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1636 | This sub-function shall use the following negative response codes: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1916 | The ECU shall transmit response code 0x12 when the ECU is unable to respond to the requested function. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1917 | The ECU shall transmit response code 0x13 when the data length is incorrect for the command. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1918 | ~~The ECU shall transmit response code 0x22 when the ECU is unable to respond to the requested command.~~ | agreed | information | obsolete | n/a | false |
| SW10-1919 | The ECU shall transmit response code 0x24 when the ECU received the KEY value before the seed request was transmitted. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1921 | The ECU shall transmit response code 0x35 when the KEY value received does not match the calculated KEY that is expected based on the SEED value transmitted. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1889 | When the SCM has received ***xDIAG\_LoginFailureCount*** requests for security access in succession, the ECU shall report response code 0x36. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1890 | Upon receiving ***xDIAG\_LoginFailureCount*** requests, the SCM shall require a timeout of ***xDIAG\_ResetTimeout*** before allowing any more attempts at security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2199 | After a power on reset of the ECU, the security access timeout shall reset. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-2200 | After a power on reset of the ECU, the security access login counter shall reset to 0. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-279 | 1.5.3.3 Security Seed/Key Algorithms | agreed | headline | n/a | n/a | false |
| SW10-1559 | The security seed shall be a randomly generated 4 byte value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1703 | The security seed shall have a minimum value of 0x00000001, 1 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1704 | The security seed shall have a maximum value of 0xFFFFFFFE, 4,294,967,294 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1560 | The security algorithm used to calculate the key value shall be:  KEY = SEED^ CONST^ TABLE1[SEED& 0x00000007]  *where:*  **KEY** = Security Algorithm  **SEED** = Random 4 Byte Value  **CONST** = 0x7F9824E3  **TABLE1[**8**]** = { 0: 0x9E72A41B,  1: 0x4BC58935,  2: 0x78DA297C,  3: 0x563FF89A,  4: 0xFDB489EC,  5: 0x6E8990B4,  6: 0x0D5FC3A1,  7: 0x89F3B29F } | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-16 | 1.5.4 ECU Identification | agreed | headline | n/a | n/a | false |
| SW10-282 | 1.5.4.1 Data Diagnostic Identifier (DDI) | agreed | headline | n/a | n/a | false |
| SW10-394 | The data diagnostic Identifer shall use the access ID 0x0101 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-311 | 1.5.4.1.1 Read | agreed | headline | n/a | n/a | false |
| SW10-391 | The application shall use the protocol service 22 01 01 for read access to the data Diagnostic Identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-393 | The application shall require extended session with security access in order to read the diagnostic data Identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-392 | The application shall return the positive response 62 01 01 (data) when the read request requirements have been fullfilled. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-395 | The application shall return the 2 byte Diagnostic Version defined as ***x\_DiagnosticDataVersion*** | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1714 | Each byte of the diagnostic version data shall have a minimum value of 0x00, 0 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1715 | Each byte of the diagnostic version data shall have a maximum value of 0xFF, 255 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-396 | The application shall return the negative response 7F 22 with the 1 byte response code | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-397 | The application shall use the following negative response codes: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-312 | 1.5.4.1.2 Write | agreed | headline | n/a | n/a | false |
| SW10-405 | The application shall use the protocol service 2E 01 01 and then the 2 byte data packet when receiving the write command from the diagnostic device | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1821 | Each byte of the diagnostic version data shall have a minimum value of 0x00, 0 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1822 | Each byte of the diagnostic version data shall have a maximum value of 0xFF, 255 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-406 | The application shall require programmer mode with security access in order to write the diagnostic Data Identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-407 | The application shall use the positive response 6E 01 01 to indicate that the command was received and processed correctly. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-409 | The application shall return the negative response 7F 2E with the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-410 | The application shall use the following negative write response codes: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-283 | 1.5.4.2 Development Data | agreed | headline | n/a | n/a | false |
| SW10-430 | The Development Data Identifier shall use the access ID 0x0100 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-313 | 1.5.4.2.1 Read | agreed | headline | n/a | n/a | false |
| SW10-431 | The application shall use the protocol service 22 01 00 for read access to the Development Data identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-432 | The application shall require extended session with security access in order to read the Development Data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-433 | The application shall return the positive response 62 01 00 (data) when the read request requirements have been fullfilled. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-434 | The application shall return the following data: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1899 | The Base Value of the development data ID table represents the actual version information value. | agreed | information | n/a | n/a | false |
| SW10-1900 | The Response Value of the development data ID table represents the version information that will be reported by the ECU for the given Response Value. | agreed | information | n/a | n/a | false |
| SW10-1617 | All values for the 2-byte development data shall have a minimum value of 0x0001, 1 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1618 | All values for the 2-byte development data shall have a maximum value of 0xFFFF, 65535 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1782 | All byte data shall be intel format.  example: OS1 = High Byte, OS2 = Low Byte | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-435 | The application shall return the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-436 | The application shall use the following negative read response codes: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-314 | 1.5.4.2.2 Write | agreed | headline | n/a | n/a | false |
| SW10-444 | The application shall use the protocol service 2E 01 00 and then the following additional data:    2 Bytes - OS Version  2 Bytes - CAN Driver Version  2 Bytes - Network Management Version  2 Bytes - Diagnostic Module Version  2 Bytes - Transport Layer Version | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1823 | All values for the 2-byte development data shall have a minimum value of 0x0001, 1 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1824 | All values for the 2-byte development data shall have a maximum value of 0xFFFF, 65535 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-466 | The application shall require programmer mode with security access in order to write the development data | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1619 | The 2 byte development data will have a minimum value of 0x0001, 1 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1620 | The 2-byte development data will have a maximum value of 0xFFFF, 65535 decimal | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-467 | The application shall use the positive response code 6E 01 00 to indicate that the development data was received and processed correctly. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-445 | The application shall return the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-446 | The application shall use the following negative write response codes: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-284 | 1.5.4.3 Spare Part Number | agreed | headline | n/a | n/a | false |
| SW10-579 | The Spare Part Number Identifier shall use the access ID 0xF187 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-315 | 1.5.4.3.1 Read | agreed | headline | n/a | n/a | false |
| SW10-468 | The application shall use the protocol service 22 F1 87 for read access to the spare part number. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-469 | The application shall require extended session with security access in order to read the Spare Part Number. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-470 | The application shall return the positive response 62 F1 87 (data) when the read request requirements have been fullfilled. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-471 | The application shall return the following data:  8 Bytes - Spare Part Number | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1701 | each byte of the spare part number shall have the following value range: | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM | n/a | false |
| SW10-1751 | The value byte SPN0 shall contain the HIGH byte value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1752 | The value in byte SPN7 shall contain the LOW byte value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1702 | The byte order for the spare part number shall use the intel byte order, meaning SPN7 is the LSB | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM | n/a | false |
| SW10-1897 | The Spare part number shall have a default value of 0xFF, 255 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1898 | The Spare part number shall be read from memory location EEP\_MQ\_CUST\_PART\_NO | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-472 | The application shall return the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-473 | The application shall use the following negative read response codes: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-286 | 1.5.4.4 ECU Identification | agreed | headline | n/a | n/a | false |
| SW10-581 | The ECU Identifier shall use the access ID 0xF189 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-319 | 1.5.4.4.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1644 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-494 | The application shall use the protocol service 22 F1 89 for read access to the ECU identification. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-495 | The application shall require Extended Session Access in order to read the ECU Identification. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-496 | The application shall return the positive response 62 F1 89 (data) when the read request requirements have been fullfilled. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-497 | The application shall return the following data:  13 Bytes - Part Name | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1903 | The part name shall have a representation of the Binary Coded decimal values of the address claim data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1904 | Each byte of the ECU Identification shall be defined as follows:  0xWW, 0xYP, 0xPP, 0xPM, 0xMM, 0xME, 0xUU, 0xTT, 0xTV, 0xVV, 0xHH, 0xIR, 0xFF | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1905 | **ECU Identification Read Example:**  Identity Number: 493665  Prod. Week = 15  Prod. Year = 16 (0 after MOD)  Prod. Number = 2145  Maunfacturer ID: 709  ECU ID: 0  Function Instance: 0  Function: 135  Vehical System: 0  Vehical System Inst: 0  Industry Group: 0  Arbitrary Address Cap.: 1  Response Message: 0x15 02 14 50 70 90 00 13 50 00 00 01 FF | agreed | information | n/a | n/a | false |
| SW10-1710 | Each byte of the ECU Identification value shall have a minumim value of 0x00, 0 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1711 | Each byte of the ECU Identification value shall have a maximum value of 0xFF, 255 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1757 | The value in byte PN0 shall contain the HIGH byte information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1758 | The value in byte PN12 shall contain the LOW byte information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1759 | Flow control of the message shall be handled by the transport layer with the first byte of data signifying the location in the data packet. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-498 | The application shall return the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-499 | The application shall use the following negative read response codes: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-17 | 1.5.5 Stored Data | agreed | headline | n/a | n/a | false |
| SW10-38 | 1.5.5.1 MQ\_ACL\_ECUID | agreed | headline | n/a | n/a | false |
| SW10-582 | The MQ\_ACL\_ECUID shall allow access using the Identifier 0xFE00 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-321 | 1.5.5.1.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1645 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | in work | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-614 | The application shall allow access to read the MQ\_ACL\_ECUID information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-615 | The application shall require the mode Extended Diagnostic Session to read the MQ\_ACL\_ECUID. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-616 | The application shall have a positive response of 62 FE 00 (Data) when all conditions have been met to read the ECUID data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-617 | The Application data returned shall consist of the following information:  3 Byte - ECU ID data | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1708 | The ECUID data shall have a minimum value of 0x000000, 0 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1709 | The ECUID data shall have a maximum value of 0x1FFFFF, 2097151 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1749 | The ECUID0 byte shall contain the HIGH byte information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1750 | The ECUID2 byte shall contain the LOW byte information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2201 | The ECUID shall have a default value of 0x000000. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-618 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-619 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-322 | 1.5.5.1.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1681 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1351 | The application shall allow access to write the MQ\_ACL\_ECUID information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1832 | The ECUID data shall have a minimum value of 0x000000, 0 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1833 | The ECUID data shall have a maximum value of 0x1FFFFF, 2097151 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1834 | The ECUID0 byte shall contain the HIGH byte information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1835 | The ECUID2 byte shall contain the LOW byte information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1352 | The application shall require programmer access mode session to write the MQ\_ACL\_ECUID values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1353 | The application shall have a positive response of 6E FE 00 when all conditions have been met to write the ECUID data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1354 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1355 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1982 | The ECU shall transmit response code 0x13 when the data length of the command contains a value other than the expected value by the ECU. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1983 | The ECU shall transmit response code 0x31 when the values of data in the command are not within the defined minimum and maximum values for the datatype. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1984 | The ECU shall transmit response code 0x33 when ECU security is being enforced. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1985 | The ECU shall transmit response code 0x72 when the data transmitted to the ECU is not within the minimum and maximum values for the data type. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-287 | 1.5.5.2 ACL Function Instance | agreed | headline | n/a | n/a | false |
| SW10-583 | The ACL Function Instance data shall allow access using the Identifier 0xFD01 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-323 | 1.5.5.2.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1646 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-628 | The application shall allow access to read the ACL Function Instance information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-629 | The application shall require the mode Extended Diagnostic Session to read the ACL Function Instance. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-630 | The application shall have a positive response of 62 FD 01 (Data) when all conditions have been met to read the Function Instance data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-631 | The Application data returned shall consist of the following information:  1 Byte - 5-Bit Function instance value | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1706 | The function instance shall have a minimum value of 0x00, 0 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1707 | The Function instance shall have a maximum value of 0x1F, 31 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2202 | The Function instance shall have a default value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-632 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-633 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-324 | 1.5.5.2.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1682 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1356 | The application shall allow access to write the ACL Function Instance information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1836 | The function instance shall have a minimum value of 0x0, 0 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1837 | The Function instance shall have a maximum value of 0x1F, 31 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1357 | The application shall require programmer access mode session to write the ACL Function Instance values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1358 | The application shall have a positive response of 6E FD 01 when all conditions have been met to write the function instance data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1359 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1360 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-39 | 1.5.5.3 ACL Manufacturer Code | agreed | headline | n/a | n/a | false |
| SW10-584 | The ACL Manufacturer Code data shall allow access using the Identifier 0xFD02 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-325 | 1.5.5.3.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1647 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-641 | The application shall allow access to read the manufacturer code information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-642 | The application shall require the mode Extended Diagnostic Session to read the manufacturer code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-643 | The application shall have a positive response of 62 FD 02 (Data) when all conditions have been met to read the manufacturer code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-644 | The Application data returned shall consist of the following information:  2 Byte - 11-Bit Manufacturer Code | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1716 | The manufacturer code shall have a minimum value of 0 (decimal). | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1717 | The manufacturer code shall have a maximum value of 0x7FF, 2047 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1747 | The MFG0 byte shall contain the HIGH byte information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1748 | The MFG1 byte shall contain the LOW byte information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2203 | The manufacturer code shall have a default value of 0x0008 (8 decimal) | in review | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-645 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-646 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-326 | 1.5.5.3.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1683 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1361 | The application shall allow access to write the ACL Manufacturer Code information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1838 | The manufacturer code shall have a minimum value of 0 (decimal). | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1839 | The manufacturer code shall have a maximum value of 0x7FF, 2047 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1840 | The MFG0 byte shall contain the HIGH byte information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1841 | The MFG1 byte shall contain the LOW byte information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1362 | The application shall require programmer access mode session to write the ACL Manufacturer Code values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1363 | The application shall have a positive response of 6E FD 02 when all conditions have been met to write the manufacturer code data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1364 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1365 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-40 | 1.5.5.4 ACL ECU Instance | agreed | headline | n/a | n/a | false |
| SW10-585 | The ACL ECU Instance data shall allow access using the Identifier 0xFD03 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-327 | 1.5.5.4.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1648 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-654 | The application shall allow access to read the ECU instance information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-655 | The application shall require the mode Extended Diagnostic Session to read the ECU instance data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-656 | The application shall have a positive response of 62 FD 03 (Data) when all conditions have been met to read the ECU instance. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-657 | The Application data returned shall consist of the following information:  1 Byte - 3 - Bit ECU Instance | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1718 | The ECU instance shall have a minimum value of 0. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1719 | The ECU instance shall have a maximum value of 7. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2204 | The ECU instance shall have a default value of 0. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-658 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-659 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-328 | 1.5.5.4.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1684 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1366 | The application shall allow access to write the ACL ECU Instance information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1842 | The ECU instance shall have a minimum value of 0. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1843 | The ECU instance shall have a maximum value of 7. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1367 | The application shall require programmer access mode session to write the ACl ECU Instance values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1368 | The application shall have a positive response of 6E FD 03 when all conditions have been met to write the ECU Instance data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1369 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1370 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-41 | 1.5.5.5 ACL Function | agreed | headline | n/a | n/a | false |
| SW10-586 | The ACL Function data shall allow access using the Identifier 0xFD04 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-329 | 1.5.5.5.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1649 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-667 | The application shall allow access to read the function information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-668 | The application shall require the mode Extended Diagnostic Session to read the function information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-669 | The application shall have a positive response of 62 FD 04 (Data) when all conditions have been met to read the ECUID data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-670 | The Application data returned shall consist of the following information:  1 Byte - Function | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1720 | The Function shall have a minimum value of 0x00, 0 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1721 | The Function shall have a maximum value of 0xFE, 254 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2205 | The Function shall have a default value of 0x87, 135 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-671 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-672 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-330 | 1.5.5.5.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1685 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1371 | The application shall allow access to write the ACL Function information ising protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1844 | The Function shall have a minimum value of 0x00, 0 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1845 | The Function shall have a maximum value of 0xFE, 254 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1372 | The application shall require programmer access mode session to write the ACL Function values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1373 | The application shall have a positive response of 6E FD 04 when all conditions have been met to write the Function data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1374 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1375 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-43 | 1.5.5.6 ACL Vehicle System | agreed | headline | n/a | n/a | false |
| SW10-587 | The ACL Vehicle System data shall allow access using the Identifier 0xFD05 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-331 | 1.5.5.6.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1650 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-680 | The application shall allow access to read the vehicle system information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-681 | The application shall require the mode Extended Diagnostic Session to read the vehicle system information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-682 | The application shall have a positive response of 62 FD 05 (Data) when all conditions have been met to read the vehicle system information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-683 | The Application data returned shall consist of the following information:  1 Byte - 7 - Bit Vehicle system information | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1722 | The Vehicle System shall have a minimum value of 0 (decimal). | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1723 | The vehicle System shall have a maximum value of 0x7F, 127 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2206 | The vehicle system shall have a default value of 0. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-684 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-685 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-332 | 1.5.5.6.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1686 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1376 | The application shall allow access to write the ACL Vehicle System information ising protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1846 | The Vehicle System shall have a minimum value of 0 (decimal). | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1847 | The vehicle System shall have a maximum value of 0x7F, 127 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1377 | The application shall require programmer access mode session to write the vehicle system values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1378 | The application shall have a positive response of 6E FD 05 when all conditions have been met to write the vehicle system data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1379 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1380 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-44 | 1.5.5.7 ACL Industry Group | agreed | headline | n/a | n/a | false |
| SW10-588 | The ACL Industry Group data shall allow access using the Identifier 0xFD06 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-333 | 1.5.5.7.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1651 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-693 | The application shall allow access to read the industry group information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-694 | The application shall require the mode Extended Diagnostic Session to read the industry group. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-695 | The application shall have a positive response of 62 FD 06 (Data) when all conditions have been met to read the industry group data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-696 | The Application data returned shall consist of the following information:  1 Byte - 3 Bit - Industry group | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1724 | The Industry Group shall have a minumum value of 0 (decimal). | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1725 | The Industry Group shall have a maximum value of 7 (decimal). | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2207 | The Industry Group shall have a default value of 0. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-697 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-698 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-334 | 1.5.5.7.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1687 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1381 | The application shall allow access to write the ACL Industry Group information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1848 | The Industry Group shall have a minumum value of 0 (decimal). | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1849 | The Industry Group shall have a maximum value of 7 (decimal). | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1382 | The application shall require programmer access mode session to write the industry group values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1383 | The application shall have a positive response of 6E FD 06 when all conditions have been met to write the industry group data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1384 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1385 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-45 | 1.5.5.8 ACL Arbitrary Address Capable | agreed | headline | n/a | n/a | false |
| SW10-589 | The ACL Arbitrary Address Capable data shall allow access using the Identifier 0xFD07 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-335 | 1.5.5.8.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1653 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-706 | The application shall allow access to read the AAC information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-707 | The application shall require the mode Extended Diagnostic Session to read the AAC. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-708 | The application shall have a positive response of 62 FD 07 (Data) when all conditions have been met to read the AAC data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-709 | The Application data returned shall consist of the following information:  1 Byte - 1-Bit Arbitrary address capable | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2208 | The Arbitrary address capable bit shall have a default value of 0. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-710 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-711 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-336 | 1.5.5.8.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1688 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1386 | The application shall allow access to write the ACL Arbitrary Address Capable information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1850 | The Application data returned shall consist of the following information:  1 Byte - 1-Bit Arbitrary address capable | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1387 | The application shall require programmer access mode session to write the arbitrary address capable values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1388 | The application shall have a positive response of 6E FD 07 when all conditions have been met to write the arbitrary address capable data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1389 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1390 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-46 | 1.5.5.9 ACL Vehicle System Instance | agreed | headline | n/a | n/a | false |
| SW10-590 | The ACL Vehicle System Instance shall allow access using the Identifier 0xFD08 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-337 | 1.5.5.9.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1654 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-719 | The application shall allow access to read the vehicle system instance information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-720 | The application shall require the mode Extended Diagnostic Session to read the vehicle system instance. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-721 | The application shall have a positive response of 62 FD 08 (Data) when all conditions have been met to read the vehicle system instance. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-722 | The Application data returned shall consist of the following information:  1 Byte - 4-Bit Vehicle System Instance | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1726 | The Vehicle System Instance shall have a minimum value of 0 (decimal). | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1727 | The Vehicle System Instance shall have a maximum value of 0xF, 15 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2209 | The vehicle system instance shall have a default value of 0. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-723 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-724 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-338 | 1.5.5.9.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1689 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1391 | The application shall allow access to write the Vehicle System Instance information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1851 | The Vehicle System Instance shall have a minimum value of 0 (decimal). | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1852 | The Vehicle System Instance shall have a maximum value of 0xF, 15 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1392 | The application shall require programmer access mode session to write the vehicle system instance values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1393 | The application shall have a positive response of 6E FD 08 when all conditions have been met to write the vehicle system instance data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1394 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1395 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-47 | 1.5.5.10 ACL System Address | agreed | headline | n/a | n/a | false |
| SW10-591 | The ACL System Address shall allow access using the Identifier 0xFD09 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-339 | 1.5.5.10.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1655 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-732 | The application shall allow access to read the system address information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-733 | The application shall require the mode Extended Diagnostic Session to read the system address. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-734 | The application shall have a positive response of 62 FD 09 (Data) when all conditions have been met to read the system address data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-735 | The Application data returned shall consist of the following information:  1 Byte - System Address | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1783 | The system address data shall have a valid minimum value of 0x25, 37 Decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1784 | The system address data shall have a valid maximum value of 0xFD, 253 Decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1785 | The system address shall have a default value of 0xF5 for the JDM. | in review | requirement | C1\_Sample@JDM | Softwaretest\_Development | false |
| SW10-2329 | The system address shall have a default value of 0xF7 for the KPM. | in review | requirement | C1\_Sample@KPM | Softwaretest\_Development | false |
| SW10-2330 | The system address shall have a default value of 0x80 for the Modular Keypad. | in review | requirement | B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-736 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-737 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-340 | 1.5.5.10.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1690 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1396 | The application shall allow access to write the System Address information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1853 | The system address data shall have a valid minimum value of 0x25, 37 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1854 | The system address data shall have a valid maximum value of 0xFD, 253 decimal. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1397 | The application shall require programmer access mode session to write the system address values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1398 | The application shall have a positive response of 6E FD 09 when all conditions have been met to write the system address data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1399 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1400 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-288 | 1.5.5.11 MQ\_PWM\_TABLE | agreed | headline | n/a | n/a | false |
| SW10-592 | The MQ\_PWM\_TABLE shall allow access using the Identifier 0xFD10 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1705 | The MQ\_PWM\_TABLE allows for the setting of the trim levels for each LED on the module | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM | n/a | false |
| SW10-341 | 1.5.5.11.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1656 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-745 | The application shall allow access to read the PWM table information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-746 | The application shall require the mode Extended Diagnostic Session to read the PWM table. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-747 | The application shall have a positive response of 62 FD 10 (Data) when all conditions have been met to read the PWM table data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-748 | The Application data returned shall consist of the following information:  32 Byte - PWM Table | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1786 | Each byte of channel data (CHx) shall have a valid minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1787 | Each byte of channel data (CHx) shall have a valid maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2210 | Each byte of the channel data (CHx) shall have a default value of 0x7D(125). | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-749 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-750 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-342 | 1.5.5.11.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1691 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1401 | The application shall allow access to write the PWM Table information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1855 | Each byte of channel data (CHx) shall have a valid minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1856 | Each byte of channel data (CHx) shall have a valid maximum value of 0xFA. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2291 | The PWM adjustment value shall configure the adjustment offset of the PWM channel as it allies to a 100% commanded intensity level. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2292 | The PWM adjustment value shall adjust (+/-) the PWM duty cycle for the corresponding PWM channel by adjusting the PWM lookup percentage by the difference for the channel in the PWM Lookup table by the lookup percentage.  ***Calculation:***  Actual PWM output (CH1) = PWMlower + ((LUXlevel - LUXlow) \* ( (PWMhigh - PWMlow) / (LUXhigh - LUXlow) ) )  See Calculation sheet in Dimensions:  M208910/SW\_Development/Design/PWM\_Calculation\_Worksheet.xlsx | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1402 | The application shall require programmer access mode session to write the PWM table values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1403 | The application shall have a positive response of 6E FD 10 when all conditions have been met to write the PWM table data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1404 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1405 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-2302 | 1.5.5.12 MQ\_LED\_USE\_TABLE | in review | headline | n/a | n/a | false |
| SW10-2303 | The MQ\_LED\_USE\_TABLE shall allow access using the Identifier 0xFD11 | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2304 | The MQ\_LED\_USE\_TABLE allows for the activation and de-activation of LED's in order to adjust for variant configurations of the modules. | in review | information | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-2305 | 1.5.5.12.1 Read | in review | headline | n/a | n/a | false |
| SW10-2307 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2308 | The application shall allow access to read the LED Configuration table information using protocol service 0x22 with the appropriate identifier. | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2309 | The application shall require the mode Extended Diagnostic Session to read the LED use table. | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2310 | The application shall have a positive response of 62 FD 11 (Data) when all conditions have been met to read the PWM table data. | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2311 | The Application data returned shall consist of the following information:  5 Byte - LED Use Table | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2312 | Each byte of channel data (LEDGrpx) shall have a valid minimum value of 0x00. | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2313 | Each byte of channel data (LEDGrpx) shall have a valid maximum value of 0xFF. | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2314 | Each byte of the channel data (LEDGrpx) shall have a default value of 0x00. | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2327 | LED ON/OFF data within the 5-byte data packet shall have the following layout: | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2328 | Each 2-bit data group has the following values: | in review | information | n/a | n/a | false |
| SW10-2315 | The Application shall use the negative response 7F 22 and the 1 byte response code. | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2316 | The negative response code for the Read information shall be: | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-2306 | 1.5.5.12.2 Write | in review | headline | n/a | n/a | false |
| SW10-2317 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2318 | The application shall allow access to write the LED Use Table data using protocol service 0x2E with the appropriate identifier. | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2319 | Each byte of channel data (LEDGrpx) shall have a valid minimum value of 0x00. | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2320 | Each byte of channel data (LEDGrpx) shall have a valid maximum value of 0xFF. | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2321 | The LED Use table will activate and deactivate each LED individually based on the following layout: | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2322 | Each 2-bit data group has the following values: | in review | information | n/a | n/a | false |
| SW10-2323 | The application shall require programmer access mode session to write the LED Use table values. | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2324 | The application shall have a positive response of 6E FD 10 when all conditions have been met to write the LED Use table data. | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2325 | The application shall use the negative response 7F 2E and the 1 byte response code. | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2326 | The negative response code for the write information shall be: | in review | requirement | C2\_Sample@JDM  C2\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-289 | 1.5.5.13 MQ\_CUSTOMER\_PN | agreed | headline | n/a | n/a | false |
| SW10-593 | The MQ\_CUSTOMER\_PN data shall allow access using the Identifier 0xFD61 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-343 | 1.5.5.13.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1657 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-758 | The application shall allow access to read the customer part number information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-759 | The application shall require the mode Extended Diagnostic Session to read the customer part number. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-760 | The application shall have a positive response of 62 FD 61 (Data) when all conditions have been met to read the customer part number. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-761 | The Application data returned shall consist of the following information:  8 Byte - Customer Part Number | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1789 | Byte CPN0 shall contain the HIGH byte data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1790 | Byte CPN7 shall contain the LOW byte data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1801 | Each byte of data shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1802 | Each byte of data shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2211 | Each byte of the customer part number shall have a default value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-762 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-763 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-344 | 1.5.5.13.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1692 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1406 | The application shall allow access to write the Customer Part Number information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1859 | Byte CPN0 shall contain the HIGH byte data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1860 | Byte CPN7 shall contain the LOW byte data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1857 | Each byte of data shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1858 | Each byte of data shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1407 | The application shall require programmer access mode session to write the customer part number values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1408 | The application shall have a positive response of 6E FD 61 when all conditions have been met to write the customer part number data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1409 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1410 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-290 | 1.5.5.14 MQ\_MSI\_PN | agreed | headline | n/a | n/a | false |
| SW10-594 | The MQ\_MSI\_PN data shall allow access using the Identifier 0xFD60 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-345 | 1.5.5.14.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1658 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-771 | The application shall allow access to read the Marquardt part number information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-772 | The application shall require the mode Extended Diagnostic Session to read the Marquardt part number. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-773 | The application shall have a positive response of 62 FD 60 (Data) when all conditions have been met to read the Marquardt part number. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-774 | The Application data returned shall consist of the following information:  8 Byte - Marquardt Part Number | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1791 | Byte MPN0 shall contain the HIGH byte data | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1792 | Byte MPN7 shall contain the LOW byte data | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1803 | Each byte of the MSI part number shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1804 | Each byte of the MSI part number shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2212 | Each byte of the MSI part number shall have a default value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-775 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-776 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-347 | 1.5.5.14.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1693 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1411 | The application shall allow access to write the MSI Part Number information ising protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1861 | Byte MPN0 shall contain the HIGH byte data | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1862 | Byte MPN7 shall contain the LOW byte data | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1863 | Each byte of the MSI part number shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1864 | Each byte of the MSI part number shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1412 | The application shall require programmer access mode session to write the MSI part number values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1413 | The application shall have a positive response of 6E FD 60 when all conditions have been met to write the MSI part number data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1414 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1415 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-291 | 1.5.5.15 MQ\_ICT\_TB | agreed | headline | n/a | n/a | false |
| SW10-595 | The MQ\_ICT\_TB data shall allow access using the Identifier 0xFE10 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-348 | 1.5.5.15.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1659 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-784 | The application shall allow access to read the ICT test byte information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-785 | The application shall require the mode Extended Diagnostic Session to read the ICT test byte. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-786 | The application shall have a positive response of 62 FE 10 (Data) when all conditions have been met to read the ICT test byte. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-787 | The Application data returned shall consist of the following information:  1 Byte - ICT Test Byte | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1805 | The ICT test byte shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1806 | The ICT test byte shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2213 | The ICT test byte shall have a default value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-788 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-789 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-349 | 1.5.5.15.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1694 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1416 | The application shall allow access to write the ICT test byte information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1865 | The ICT test byte shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1866 | The ICT test byte shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1417 | The application shall require programmer access mode session to write the ICT test byte values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1418 | The application shall have a positive response of 6E FE 10 when all conditions have been met to write the ICT test byte data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1419 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1420 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-292 | 1.5.5.16 MQ\_EOL\_TB | agreed | headline | n/a | n/a | false |
| SW10-596 | The MQ\_EOL\_TB data shall allow access using the Identifier 0xFE11 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-350 | 1.5.5.16.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1660 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-797 | The application shall allow access to read the EOL test byte information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-798 | The application shall require the mode Extended Diagnostic Session to read the EOL test byte. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-799 | The application shall have a positive response of 62 FE 11 (Data) when all conditions have been met to read the EOL test byte. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-800 | The Application data returned shall consist of the following information:  1 Byte - EOL test byte | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1807 | The EOL test byte value shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1808 | The EOL test byte value shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2214 | The EOL test byte shall have a default value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-801 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-802 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-351 | 1.5.5.16.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1695 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1421 | The application shall allow access to write the EOL Test Byte information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1867 | The EOL test byte value shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1868 | The EOL test byte value shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1422 | The application shall require programmer access mode session to write the EOL Test Byte values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1423 | The application shall have a positive response of 6E FE 11 when all conditions have been met to write the EOL Test Byte data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1424 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1425 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-293 | 1.5.5.17 MQ EOL ITAC TraceNumber | agreed | headline | n/a | n/a | false |
| SW10-597 | The MQ EOL ITAC TraceNumber data shall allow access using the Identifier 0xFE12 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-352 | 1.5.5.17.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1661 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-810 | The application shall allow access to read the ITAC traceability number using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-811 | The application shall require the mode Extended Diagnostic Session to read the ITAC traceability number. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-812 | The application shall have a positive response of 62 FE 12 (Data) when all conditions have been met to read the ITAC traceability number. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-813 | The Application data returned shall consist of the following information:  16 Byte - ITAC traceability number | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1795 | Each byte of the ITAC value shall have a valid minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1796 | Each byte of the ITAC value shall have a valid maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1793 | Byte ITAC0 shall contain the HIGH byte data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1794 | BYTE ITAC15 shall contain the LOW byte data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2215 | Each byte of the ITAC serial number shall have a default value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-814 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-815 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-354 | 1.5.5.17.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1696 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1426 | The application shall allow access to write the ITAC traceability information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1869 | Each byte of the ITAC value shall have a valid minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1870 | Each byte of the ITAC value shall have a valid maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1871 | Byte ITAC0 shall contain the HIGH byte data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1872 | BYTE ITAC15 shall contain the LOW byte data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1427 | The application shall require programmer access mode session to write the ITAC traceability values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1428 | The application shall have a positive response of 6E FE 12 when all conditions have been met to write the ITAC data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1429 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1430 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-294 | 1.5.5.18 MQ\_MSI\_SN | agreed | headline | n/a | n/a | false |
| SW10-598 | The MQ\_MSI\_SN shall allow access using the Identifier 0xFE13 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-355 | 1.5.5.18.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1662 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-823 | The application shall allow access to read the Marquardt serial number information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-824 | The application shall require the mode Extended Diagnostic Session to read the Marquardt serial number. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-825 | The application shall have a positive response of 62 FE 13 (Data) when all conditions have been met to read the Marquardt serial number. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-826 | The Application data returned shall consist of the following information:  8 Byte - Marquardt Serial Number | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1809 | Each byte of the Marquardt serial number shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1810 | Each byte of the Marquardt serial number shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2216 | Each byteof the MSI Serial Number shall have a default value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1811 | Byte MSN0 shall contain the high byte information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1812 | Byte MSN7 shall contain the low byte information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-827 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-828 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-356 | 1.5.5.18.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1697 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1431 | The application shall allow access to write the MSI Serial Number information using protocol service 0x2E with the appropriate identifier. | in work | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1873 | Each byte of the Marquardt serial number shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1874 | Each byte of the Marquardt serial number shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1875 | Byte MSN0 shall contain the high byte information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1876 | Byte MSN7 shall contain the low byte information. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1432 | The application shall require programmer access mode session to write the MSI Serial Number values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1433 | The application shall have a positive response of 6E FE 13 when all conditions have been met to write the serial number data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1434 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1435 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-295 | 1.5.5.19 MQ\_SWV | agreed | headline | n/a | n/a | false |
| SW10-599 | The MQSWV data shall allow access using the Identifier 0xFE20 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-357 | 1.5.5.19.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1663 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-836 | The application shall allow access to read the Marquardt software version information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-837 | The application shall require the mode Extended Diagnostic Session to read the Marquardt software version. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-838 | The application shall have a positive response of 62 FE 20 (Data) when all conditions have been met to read the software version. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-839 | The Application data returned shall consist of the following information:  3 Byte - Marquardt Software Version | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1813 | Each byte of the Marquardt software version shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1814 | Each byte of the Marquardt software version shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2217 | Each byte of the Marquardt software version shall have a default value equal to the software version of the stored software file in Dimensions.  ex.  File Name in Dimensions: M208910\_C1.1\_V\_170900.S19  SWV Byte 0: 0x11 (17)  SWV Byte 1: 0x09 (09)  SWV Byte 2: 0x00 (00) | in review | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1815 | Each byte of the Marquardt software version shall contain unique information where: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-840 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-841 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-358 | 1.5.5.19.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1698 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1436 | The application shall allow access to write the Software verison information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1877 | Each byte of the Marquardt software version shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1878 | Each byte of the Marquardt software version shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1879 | Each byte of the Marquardt software version shall contain unique information where: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1437 | The application shall require programmer access mode session to write the software version values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1438 | The application shall have a positive response of 6E FE 20 when all conditions have been met to write the software version data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1439 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1440 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-296 | 1.5.5.20 MQ\_HWV | agreed | headline | n/a | n/a | false |
| SW10-600 | The MQ\_HWV data shall allow access using the Identifier 0xFE21 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-359 | 1.5.5.20.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1664 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-849 | The application shall allow access to read the Marquardt hardware version information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-850 | The application shall require the mode Extended Diagnostic Session to read the hardware version. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-851 | The application shall have a positive response of 62 FE 21 (Data) when all conditions have been met to read the hardware version. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-852 | The Application data returned shall consist of the following information:  3 Byte - Marquardt hardware version | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1816 | Each byte of the Marquardt Hardware version shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1817 | Each byte of the Marquardt hardware version shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2218 | Each byte of the Marquardt hardware version shall have a default value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1818 | Each byte shall contain a unique value where: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-853 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-854 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-360 | 1.5.5.20.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1699 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1441 | The application shall allow access to write the hardware version information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1880 | Each byte of the Marquardt Hardware version shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1881 | Each byte of the Marquardt hardware version shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1442 | The application shall require programmer access mode session to write the hardware version values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1443 | The application shall have a positive response of 6E FE 21 when all conditions have been met to write the hardware version data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1444 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1445 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-297 | 1.5.5.21 MQ\_Variant | agreed | headline | n/a | n/a | false |
| SW10-601 | The MQ\_Variant data shall allow access using the Identifier 0xFE30 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2301 | Variant configurations are stored in Dimensions within the document:  M208910/SW Development/Design/SCM\_Memory\_Map.xlsx -> Variant Coding | agreed | information | n/a | n/a | false |
| SW10-361 | 1.5.5.21.1 Read | agreed | headline | n/a | n/a | false |
| SW10-1665 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-862 | The application shall allow access to read the variant code information using protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-863 | The application shall require the mode Extended Diagnostic Session to read the variant code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-864 | The application shall have a positive response of 62 FE 30 (Data) when all conditions have been met to read the variant code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-865 | The Application data returned shall consist of the following information:  1 Byte - Variant Code | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1819 | The variant code shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1820 | The variant code shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2219 | The variant code shall have a default value of 0x01. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-866 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-867 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-362 | 1.5.5.21.2 Write | agreed | headline | n/a | n/a | false |
| SW10-1700 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1446 | The application shall allow access to write the variant information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1882 | The variant code shall have a minimum value of 0x00. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1883 | The variant code shall have a maximum value of 0xFF. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-1447 | The application shall require programmer access mode session to write the variant values. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1448 | The application shall have a positive response of 6E FE 30 when all conditions have been met to write the variant data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1449 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1450 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-2257 | 1.5.5.22 MQ\_Batt\_Calibration | agreed | headline | n/a | n/a | false |
| SW10-2260 | The battery voltage calibration diagnostic is used to program in the required offset for the battery voltage monitor to achieve the appropriate tolerance. | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-2261 | The MQ\_Batt\_Calibration shall allow access using the Identifier 0xFD74 | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2258 | 1.5.5.22.1 Read | agreed | headline | n/a | n/a | false |
| SW10-2262 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2263 | The application shall allow access to read the indicator status information using the protocol service 0x22 with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2264 | The application shall have a positive response of 62 FD 74 (Data) when all conditions have been met to read the current indicator status. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2265 | The application data returned shall consist of the following information:  1 Byte - Voltage Offset Value | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2266 | The application shall have a minimum value of -128. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2267 | The application shall have a maximum value of 127. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2268 | The offset data representation is the indicated value divided by 10 (value/10).  ex: *value* = 98  *Offset* : 98/10 = *9.8V* | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-2271 | The application shall respond to a read request with the configured voltage compensation value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2272 | The default voltage calibration value shall be 0. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2273 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2274 | The negative response code for the Read information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-2259 | 1.5.5.22.2 Write | agreed | headline | n/a | n/a | false |
| SW10-2275 | Access to write diagnostic sub-function shall require the ECU to be in programmer mode with security access. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2276 | The application shall allow access to write the voltage input information using protocol service 0x2E with the appropriate identifier. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2277 | The voltage input value shall have a minimum value of 100 (0x64). | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2278 | The voltage input value shall have a maximum value of 250 (0xFA). | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2286 | The voltage input value shall indicate the test voltage being supplied by the end of line tester. | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-2290 | The voltage range for testing shall be between 12V and 24V for calibration | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-2283 | The voltage input value is indicated by the offset value divided by 10 (value/10).  ex. Value = 98  Offset : 98/10 = 9.8V | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-2284 | When calculating the voltage offset, the application shall calculate the difference between the measured voltage on the analog bus and the voltage provided by the diagnostic.  Voltage Offset = Input Voltage - Measured Voltage | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2285 | When the calculation is preformed, the application shall prevent overflow errors from occuring. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2287 | The voltage offset shall apply to all voltage measurements reported on the CAN bus. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_Development | false |
| SW10-2279 | The application shall require programmer access mode session to write the voltage offset value. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2280 | The application shall have a positive response of 6E FD 74 when all conditions have been met to write the variant data. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2281 | The application shall use the negative response 7F 2E and the 1 byte response code. | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2282 | The negative response code for the write information shall be: | agreed | requirement | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-247 | 1.5.6 ~~IO Control~~ | agreed | headline | n/a | n/a | false |
| SW10-309 | 1.5.6.1 ~~MQ\_IND\_CONTROL~~ | agreed | headline | n/a | n/a | false |
| SW10-1348 | ~~The MQ\_IND\_Control shall allow access using the identifier 0xFD21.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-386 | 1.5.6.1.1 ~~Read~~ | agreed | headline | n/a | n/a | false |
| SW10-1666 | ~~Access to this diagnostic sub-function shall require extended mode with security access to read data.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1018 | ~~The application shall allow access to read the indicator status information using protocol service 0x22 with the appropriate identifier.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1019 | ~~The application shall require the mode Extended Diagnostic Session to read the current indicator status.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1020 | ~~The application shall have a positive response of 62 FD 21 (Data) when all conditions have been met to read the current indicator status.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1021 | ~~The Application data returned shall consist of the following information:~~  ~~8 Byte - Indicator Status register~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2220 | ~~The read service data shall be in the format of:~~ | agreed | information | obsolete | n/a | false |
| SW10-2221 | ~~Each 2 bit value is used to control a single indicator on the ECU.~~ | agreed | information | obsolete | n/a | false |
| SW10-2222 | ~~Any locations marked Rsrvd shall have the value 0x3 indicating that they are reserved.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2223 | ~~The control modification service data fields use the following valid values to control the Indicators on the ECU:~~ | agreed | information | obsolete | n/a | false |
| SW10-2252 | ~~Any indicator that is not supported on the ECU shall return the value 0x0 for the OFF state.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1022 | ~~The Application shall use the negative response 7F 22 and the 1 byte response code.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1023 | ~~The negative response code for the Read information shall be:~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-387 | 1.5.6.1.2 ~~Return Control~~ | agreed | headline | n/a | n/a | false |
| SW10-1667 | ~~Access to this diagnostic sub-function shall require extended mode with security access to read data.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1506 | ~~The application shall allow access to return control of indicators using protocol service 0x2F with the appropriate identifier and control value.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1507 | ~~The return control modification service shall have a control value of 0x00.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2255 | ~~Upon receipt of the return control function, The ECU shall reset the indictor states to the last known command setting from the Indicator Command received.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1508 | ~~The return control modification service shall have a positive response value of 6F FD 21 (data) when all conditions have been met to return control of the idicators to the ECU.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1509 | ~~The return data from a positive response shall consist of the 8 byte indicator status register.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2224 | ~~The read service data shall be in the format of:~~ | agreed | information | obsolete | n/a | false |
| SW10-2225 | ~~Each 2 bit value is indicate the status of a single indicator on the ECU.~~ | agreed | information | obsolete | n/a | false |
| SW10-2226 | ~~Any locations marked Rsrvd shall have the value 0x3 indicating that they are Unavailable.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2227 | ~~The control response data fields use the following valid values to indicate current state of the Indicators on the ECU:~~ | agreed | information | obsolete | n/a | false |
| SW10-1510 | ~~The application shall have a negative response of 7F 2F and the 1 byte response code.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1511 | ~~The negative response code for the return control information shall be:~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1047 | 1.5.6.1.3 ~~Reset~~ | agreed | headline | n/a | n/a | false |
| SW10-1668 | ~~Access to this diagnostic sub-function shall require extended mode with security access to read data.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1512 | ~~The application shall allow access to the reset control of the indicators using the protocol service 0x2F with the appropriate identifier and control value.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1513 | ~~The reset modification service shall have a control value of 0x01.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1514 | ~~The reset modification service shall have a positive response value of 6F FD 21 (data) when all conditions have been met to return control of the indicators to the ECU.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1515 | ~~The return data from a positive response shall consist of the 8 byte indicator status register.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2228 | ~~The read service data shall be in the format of:~~ | agreed | information | obsolete | n/a | false |
| SW10-2229 | ~~Each 2 bit value is used to indicate the status of a single indicator on the ECU.~~ | agreed | information | obsolete | n/a | false |
| SW10-2230 | ~~Any locations marked Rsrvd shall have the value 0x3 indicating that they are unavailable.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2231 | ~~The control modification service data fields use the following valid values to control the Indicators on the ECU:~~ | agreed | information | obsolete | n/a | false |
| SW10-1516 | ~~The application shall have a negative response of 7F 2F and the 1 byte response code.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1517 | ~~The negative response code for the reset control information shall be:~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1048 | 1.5.6.1.4 ~~Freeze~~ | agreed | headline | n/a | n/a | false |
| SW10-1669 | ~~Access to this diagnostic sub-function shall require extended mode with security access to read data.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1518 | ~~The application shall allow access to the freeze control of the indicators using the protocol service 0x2F with the appropriate identifier and control value.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1519 | ~~The freeze modification service shall have a control value of 0x02.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1520 | ~~The freeze modification service shall have a positive response value of 6F FD 21 (data) when all conditions have been met to return control of the indicators to the ECU.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1521 | ~~The return data from a positive response shall consist of the 8 byte indicator status register.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2232 | ~~The read service data shall be in the format of:~~ | agreed | information | obsolete | n/a | false |
| SW10-2233 | ~~Each 2 bit value is used to indicate the value of a single indicator on the ECU.~~ | agreed | information | obsolete | n/a | false |
| SW10-2234 | Any locations marked Rsrvd shall have the value 0x3 indicating that they are unavailable. | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2235 | ~~The control modification service data fields use the following valid values to control the Indicators on the ECU:~~ | agreed | information | obsolete | n/a | false |
| SW10-1522 | ~~The application shall have a negative response of 7F 2F and a 1 byte response code.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1523 | ~~The negative response code for the reset contol information shall be:~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1049 | 1.5.6.1.5 ~~Control~~ | agreed | headline | n/a | n/a | false |
| SW10-1670 | ~~Access to this diagnostic sub-function shall require extended mode with security access to read data.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1524 | ~~The application shall allow access to the control modification service of the indicators using the protocol service 0x2F with the appropriate identifier, data format and control value.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1525 | ~~The control modification service shall have a control value of 0x03.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1526 | ~~The control modification service data input shall be in the format of:~~ | agreed | information | obsolete | n/a | false |
| SW10-1621 | ~~The indicator contol modification service allows for changing the output status of each indicator on the ECU individually while UDS diagnostics are active.~~ | agreed | information | obsolete | n/a | false |
| SW10-1622 | ~~Each 2 bit value is used to control a single indicator on the ECU.~~ | agreed | information | obsolete | n/a | false |
| SW10-2197 | ~~Any locations marked Rsrvd shall have the value 0x3 indicating that they are reserved.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1531 | ~~The control modification service data fields use the following valid values to control the Indicators on the ECU:~~ | agreed | information | obsolete | n/a | false |
| SW10-1527 | ~~The control modification service shall have a positive response value of 6F FD 21 (data) when all conditions have been met to control the status of the indicators.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1528 | ~~The return data from a positive response shall consist of the 8 byte indicator status register.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1529 | ~~The application shall have a negative response of 7F 2F and a 1 byte response code.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1530 | ~~The negative response code for the reset control information shall be:~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-310 | 1.5.6.2 ~~MQ\_BL\_CONTROL~~ | agreed | headline | n/a | n/a | false |
| SW10-1347 | ~~The MQ\_BL\_Control shall allow access using the identifier 0xFD20.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-388 | 1.5.6.2.1 ~~Read~~ | agreed | headline | n/a | n/a | false |
| SW10-1671 | ~~Access to this diagnostic sub-function shall require extended mode with security access to read data.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1005 | ~~The application shall allow access to read the backlight status information using protocol service 0x22 with the appropriate identifier.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1006 | ~~The application shall require the mode Extended Diagnostic Session to read the backlight status.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1007 | ~~The application shall have a positive response of 62 FD 20 (Data) when all conditions have been met to read the backlight status.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1008 | ~~The Application data returned shall consist of the following information:~~  ~~1 Byte - Backlight status~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2248 | ~~The service indication state data shall be in the format of:~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2249 | Each 2 bit value is used to indicate the state of all backlighting on the ECU. | agreed | information | obsolete | n/a | false |
| SW10-2250 | Any location marked as Rsvrd shall have the value 0x3 indicating the feature is unavailable. | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2251 | The control modification service data fields use have the following values to control the backlighting state: | agreed | information | obsolete | n/a | false |
| SW10-1009 | The Application shall use the negative response 7F 22 and the 1 byte response code. | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1010 | The negative response code for the Read information shall be: | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-390 | 1.5.6.2.2 Return Control | agreed | headline | n/a | n/a | false |
| SW10-1672 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1532 | The application shall allow access to return control of backlighting using protocol service 0x2F with the appropriate identifier and control value. | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1533 | ~~The return control modification service shall have a control value of 0x00.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2256 | ~~Upon receipt of the return control function, The ECU shall reset the indictor states to the last known command setting from the Indicator Command received.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1534 | ~~The return control modification service shall have a positive response value of 6F FD 20 (data) when all conditions have been met to return control of the idicators to the ECU.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1535 | ~~The return data from a positive response shall consist of the 1 byte indicator status register.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2236 | ~~The service indication state data shall be in the format of:~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2238 | ~~Each 2 bit value is used to indicate the state of all backlighting on the ECU.~~ | agreed | information | obsolete | n/a | false |
| SW10-2239 | ~~Any location marked as Rsvrd shall have the value 0x3 indicating the feature is unavailable.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2237 | ~~The control modification service data fields use have the following values to control the backlighting state:~~ | agreed | information | obsolete | n/a | false |
| SW10-1536 | ~~The application shall have a negative response of 7F 2F and the 1 byte response code.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1537 | ~~The negative response code for the return control information shall be:~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1044 | 1.5.6.2.3 ~~Reset~~ | agreed | headline | n/a | n/a | false |
| SW10-1673 | ~~Access to this diagnostic sub-function shall require extended mode with security access to read data.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1538 | ~~The application shall allow access to the reset control of the backlighting using the protocol service 0x2F with the appropriate identifier and control value.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1539 | ~~The reset modification service shall have a control value of 0x01.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1540 | ~~The reset modification service shall have a positive response value of 6F FD 20 (data) when all conditions have been met to return control of the indicators to the ECU.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1541 | ~~The return data from a positive response shall consist of the 1 byte indicator status register.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2240 | ~~The service indication state data shall be in the format of:~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2241 | Each 2 bit value is used to indicate the state of all backlighting on the ECU. | agreed | information | obsolete | n/a | false |
| SW10-2242 | Any location marked as Rsvrd shall have the value 0x3 indicating the feature is unavailable. | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2243 | The control modification service data fields use have the following values to control the backlighting state: | agreed | information | obsolete | n/a | false |
| SW10-1542 | The application shall have a negative response of 7F 2F and the 1 byte response code. | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1543 | The negative response code for the reset control information shall be: | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1045 | 1.5.6.2.4 Freeze | agreed | headline | n/a | n/a | false |
| SW10-1674 | Access to this diagnostic sub-function shall require extended mode with security access to read data. | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1544 | The application shall allow access to the freeze control of the backlighting using the protocol service 0x2F with the appropriate identifier and control value. | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1545 | ~~The freeze modification service shall have a control value of 0x02.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1546 | ~~The freeze modification service shall have a positive response value of 6F FD 20 (data) when all conditions have been met to return control of the indicators to the ECU.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1547 | ~~The return data from a positive response shall consist of the 1 byte indicator status register.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2244 | ~~The service indication state data shall be in the format of:~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2245 | ~~Each 2 bit value is used to indicate the state of all backlighting on the ECU.~~ | agreed | information | obsolete | n/a | false |
| SW10-2246 | ~~Any location marked as Rsvrd shall have the value 0x3 indicating the feature is unavailable.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-2247 | ~~The control modification service data fields use have the following values to control the backlighting state:~~ | agreed | information | obsolete | n/a | false |
| SW10-1548 | ~~The application shall have a negative response of 7F 2F and a 1 byte response code.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1549 | ~~The negative response code for the reset contol information shall be:~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1046 | 1.5.6.2.5 ~~Control~~ | agreed | headline | n/a | n/a | false |
| SW10-1675 | ~~Access to this diagnostic sub-function shall require extended mode with security access to read data.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1550 | ~~The application shall allow access to the control modification service of the backlighting using the protocol service 0x2F with the appropriate identifier, data format and control value.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1551 | ~~The control modification service shall have a control value of 0x03.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1552 | ~~The control modification service data input shall be in the format of:~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1624 | ~~The backlight contol modification service allows for changing the output status of the backlights on the ECU while UDS diagnostics are active.~~ | agreed | information | obsolete | n/a | false |
| SW10-1625 | ~~Each 2 bit value is used to control all backlighting on the ECU.~~ | agreed | information | obsolete | n/a | false |
| SW10-2198 | ~~Any location marked as Rsvrd shall have the value 0x3 indicating the feature is reserved.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1553 | ~~The control modification service data fields use have the following values to control the backlighting state:~~ | agreed | information | obsolete | n/a | false |
| SW10-1554 | ~~The control modification service shall have a positive response value of 6F FD 20 (data) when all conditions have been met to control the status of the indicators.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1555 | ~~The return data from a positive response shall consist of the 1 byte indicator status register.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1556 | ~~The application shall have a negative response of 7F 2F and a 1 byte response code.~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest | false |
| SW10-1557 | ~~The negative response code for the reset control information shall be:~~ | agreed | requirement | obsolete | Softwaretest\_FunctionalSoftwaretest  Softwaretest\_Development | false |
| SW10-1565 | 1.5.7 Negative Response Codes | agreed | headline | n/a | n/a | false |
| SW10-2300 | 1.5.7.1 NRC 0x11 - | agreed | n/a | n/a | n/a | false |
| SW10-1566 | 1.5.7.2 NRC 0x12 - Sub Function Not Supported | agreed | headline | n/a | n/a | false |
| SW10-1595 | The sub-function not supported response code indicates that the requested sub-function of a service is not supported. | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-1567 | 1.5.7.3 NRC 0x13 - Incorrect Message Length or Invalid Format | agreed | headline | n/a | n/a | false |
| SW10-1596 | The Incorrect Message Length or Invalid Format response indicates that the data transmitted to the ECU does not meet the required parameters to be acted upon. | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-1573 | 1.5.7.4 NRC 0x22 - Conditions Not Correct | agreed | headline | n/a | n/a | false |
| SW10-1599 | The conditions not correct response indicates that the ECU is missing the pre-requisite conditions to fullfil the requested action. | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-1895 | 1.5.7.5 NRC 0x24 - Request Sequence Error | agreed | headline | n/a | n/a | false |
| SW10-1896 | The request sequence error response can indicate that the programming process is incomplete when the request was received or that the Request Download or Request upload services are not active. | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-1577 | 1.5.7.6 NRC 0x31 - Request out of Range | agreed | headline | n/a | n/a | false |
| SW10-1603 | The Request Out-Of-Range response indicates that the requested operation is not within the ECU boundary limits for the data being modified by the request. | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-1578 | 1.5.7.7 NRC 0x33 - Security Access Denied | agreed | headline | n/a | n/a | false |
| SW10-1604 | The Security Access Denied response indicates that the ECU detected that the security access requirements were not met in order to continue with the operation. | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-1579 | 1.5.7.8 NRC 0x35 - Invalid Key | agreed | headline | n/a | n/a | false |
| SW10-1605 | The Invalid Key response indicates that the security key sent by the client does not match the required security key contained within the ECU. | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-1580 | 1.5.7.9 NRC 0x36 - Exceeded Number of Access Attempts | agreed | headline | n/a | n/a | false |
| SW10-1606 | The Exceeded Number of Access Attempts response indicates that the number of attempts to gain security access to the ECU has been exceeded. | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-1581 | 1.5.7.10 NRC 0x37 - Required Time Delay not Expired | agreed | headline | n/a | n/a | false |
| SW10-1607 | The required Time Delay not Expired response indicates that the time between failed attempts to gain security access to the ECU has not yet expired. | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-1584 | 1.5.7.11 NRC 0x72 - General Programming failure | agreed | headline | n/a | n/a | false |
| SW10-1610 | The General Programming Failure response indicates that there was an error while erasing or programming the ECU's non-volitile memory. | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-1587 | 1.5.7.12 NRC 0x7E - Sub-Function not supported in active session | agreed | headline | n/a | n/a | false |
| SW10-1614 | The Sub-Function not supported in active session indicates that the ECU will not respond because the request is not part of the current session. | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |
| SW10-1349 | 2 Abbreviations | agreed | headline | n/a | n/a | false |
| SW10-1350 | All abbreviations are located at:  SSC/Caterpillar/M2089/M208910\_HEX\_SCM/SRS/Working Modules/08\_Abbreviations\_en | agreed | information | C1\_Sample@JDM  C1\_Sample@KPM  B1\_Sample@MK6BTN | n/a | false |