

J2534 - Difference Between 2.02 (Published) And 3.05 (Draft May 05)

No.	Changes	J2534 Ver 2.02 Document Reference	J2534 Ver 3.05 Document Reference
1.	PassThruConnect: The Flags are changed.	6.2.1	7.2.1
2.	PassThruReadMsgs: <ol style="list-style-type: none"> 1. RxStatus shall have a bit to indicate when a first frame of multi-frame is received. 2. RxStatus shall have a bit to indicate when a Break is received on J1850VPW. 	6.2.3	7.2.3
3.	PasThruWriteMsgs: <ol style="list-style-type: none"> 1. To perform non-blocking write, the "Timeout" is set to 0. 2. The interface should not modify the contents of the PASSTHRU structure. 	6.2.4	7.2.4
4.	PassThruStartPeriodicMsg: <ol style="list-style-type: none"> 1. Periodic Messages are limited in length to 12 bytes including header. 2. Periodic Messages will have priority over messages written with PassThruWriteMsgs. 3. The PassThru device must support a minimum of ten periodic messages. 	6.2.5	7.2.5
5.	PassThruStopPeriodicMsg: <ol style="list-style-type: none"> 1. Periodic messages that have been queued for transmission or that are in the process of being transmitted may not be stopped by this function. 	6.2.6	7.2.6
6.	PassThruStartMsgFilter: <ol style="list-style-type: none"> 1. Ten message filters shall be supported by each protocol. 2. Only first 12 bytes of the Mask and the Pattern, including header are used in processing the filtering criteria. All other bytes are ignored. 3. The function does not clear any messages that may have been received and queued before the filter. 4. For ISO15765, PASS and BLOCK filters are applied after complete and successful reception of ISO15765 message. 	7.2.7	6.2.7
7.	PassThruSetProgrammingVoltage: <ol style="list-style-type: none"> 1. The function sets a single programming voltage on a single pin. 2. The programming voltage pins are mutually exclusive and voltage can only be applied to a single pin. This does not apply to pin 15 which can be shorted to ground simultaneously with voltage on another pin. 3. The programming voltage must be turned off before the voltage is applied to a different pin. 4. This function can be called without first calling PassThruConnect. 	6.2.9	7.2.9

8.	<p>PassThruReadVersion</p> <ol style="list-style-type: none"> 1. This function can be called without first calling PassThruConnect. 	6.2.10	7.2.10
9.	<p>PassThruGetLasError:</p> <ol style="list-style-type: none"> 1. This function can be called without first calling PassThruConnect. 2. The last error is not specific to any channel. It is the last function call that returned an error. 	6.2.11	7.2.11
10.	<p>PassThruIoctl:</p> <ol style="list-style-type: none"> 1. A new error code is added called ERR_INVALID_IOCTL_VALUE (0x0A). 2. The SET_CONFIG for DATA_RATE shall return ERR_INVALID_IOCTL_VALUE if a desired baud rate cannot be achieved within 2%. 3. The SET_CONFIG and GET_CONFIG of P-timing resolution is changed from 1ms per bit to 0.5 ms per bit. 4. The SET_CONFIG and GET_CONFIG have an additional parameter called W0 and DATA_BITS. 5. In READ_VBATT, the ChannelID should be set to 0. 6. In READ_PROG_VOLTAGE, the ChannelID should be set to 0. 7. FAST_INIT should be supported on ISO9141 as well. 	6.2.12	7.2.12
11.	<p>Message Flag And Status Definition:</p> <ol style="list-style-type: none"> 1. The RxStatus flag is changed. 2. The TxFlags is changed. 	7.4.1 And 7.4.2	8.4.1 And 8.4.2
12.	<p>Return Value Error Codes:</p> <ol style="list-style-type: none"> 1. New Errors have been added. 	9	10