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| --- | --- | --- | --- | --- | --- | --- | --- |
| *TEST CASE DESCRIPTION* | | | | | | | |
|  | | Code | Version | | Title | | |
| Test Case | | 3.8.5 | 1 | | SoM in SB mode. Train in front of a light signal and the location information is valid. | | |
|
| Baseline applicable | | Baseline 3 | | | | | |
| Test case author | | ADIF | | | | | |
| Test Objective(s) | | Verify that the SoM procedure is performed correctly. The bi-directional exchange of messages between RBC and EVC is recorded in the JRU and the EVC switches from SB mode to FS mode. | | | | | |
| Diagram | |  | | | | | |
| Starting conditions | | Level | | | | 2 | |
| Mode | | | | SB | |
| Train Speed (km/h) | | | | 0 | |
| Additional starting conditions | | | | The train is at standstill with valid location information in front of a light signal and inside the ATAF area (i.e. inside the distance guaranteed as free). The desk is opened. There is not communication established with the RBC. | |
| Sequence of the Test Case | | Checkpoints | | | | | |
| Step | Step description | Interfaces | | Description of what to be tested at the interface | | | OK? |
| 1 | The driver validates or introduces the Driver ID. | DMI (O) | |  | | |  |
| DMI (I) | | Driver ID | | |  |
| JRU | |  | | |  |
| 2 | The establishment of a communication session is initiated by the EVC. It is sent to the RBC a position report with valid position. | DMI (O) | | Safe radio connection “Connection Up” symbol | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 155 Message 32 Message 159 Message 157  Q\_STATUS=1 (valid)  Packet 0/1  NID\_LRBG≠16777215  Q\_DIRLRBG≠2  Q\_DLRBG≠2  DMI\_SYMB\_STATUS  ST03 | | |  |
| 3 | The driver selects train data entry. Train data is entered or revalidated. Once the train data has been introduced, the driver selects Start. | DMI (O) | |  | | |  |
| DMI (I) | | Data Entry Select Start | | |  |
| JRU | | M\_DRIVERACTION = 20 M\_DRIVERACTION = 21 Message 129  Packet 11 Message 8 M\_DRIVERACTION = 19 Message 132 | | |  |
| 4 | The RBC sends a message with MA information. The EVC switches to FS mode. | DMI (O) | | FS symbol | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 3/33  Packet 15  Packet 21  Packet 27  DMI\_SYMB\_STATUS  MO11 | | |  |
| 5 | The EVC reports to the RBC the train position with the mode change. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 136  Packet 0/1  M\_MODE=0 | | |  |
| Final state | | Level | | 2 | | | |
| Mode | | FS | | | |
| Train Speed (km/h) | | NR | | | |
| Other parameters | |  | | | |
| Final Test Result | |  | | | | | |
| Field of Application | | Spain | | | | | |
| Briefing instructions | |  | | | | | |