|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *TEST CASE DESCRIPTION* | | | | | | | |
|  | | Code | Version | | | Title | |
| Test Case | | 3.14.8 | 2 | | | Mode transition from SR to SH at current location ordered by trackside. The driver acknowledges the request of SH mode | |
|
| Baseline applicable | | Baseline 3 | | | | | |
| Test case author | | ADIF | | | | | |
| Test Objective(s) | | Verify that the EVC switches from SR mode to SH mode. | | | | | |
| Diagram | |  | | | | | |
| Starting conditions | | Level | | | 2 | | |
| Mode | | | SR | | |
| Train Speed (km/h) | | | NR | | |
| Additional starting conditions | | | There is a communication session established with the RBC.  The train is approaching to a light signal showing SH aspect. | | |
| Sequence of the Test Case | | Checkpoints | | | | | |
| Step | Step description | Interfaces | | Description of what to be tested at the interface | | | OK? |
| 1 | The train runs in SR mode towards an open light signal for SH and receives from the RBC a MA with a SH mode Profile (the SH area starts at the light signal). | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 3/33/37 (LRBG1)  Packet 15  Packet 21  Packet 27  Packet 80  M\_MAMODE = 1  D\_MAMODE = D ≤ D\_LRBG1 + L\_DOUBTUNDER  V\_MAMODE = VSH  Q\_MAMODE=1 | | |  |
| 2 | The train has reached with its max safe front end the beginning of the SH area when it receives the message with packet 80.  The transition to SH mode at the current location is performed and a SH acknowledgement is requested to the driver | DMI (O) | | SH symbol  “Ack of SH” message | | |  |
| DMI (I) | |  | | |  |
| JRU | | M\_MODE = 3  DMI\_SYMB\_STATUS  MO01, MO02 | | |  |
| 3 | The EVC reports the mode transition to the RBC | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 136  Packet 0/1  M\_MODE=3 | | |  |
| 4 | The driver acknowledges the transition to SH within the 5 seconds window | DMI (O) | |  | | |  |
| DMI (I) | | Driver acknowledges SH mode | | |  |
| JRU | | M\_DRIVERACTIONS = 1  DMI\_SYMB\_STATUS  MO01 | | |  |
| 5 | The EVC starts the "End of Mission" procedure. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 150  Packet 0/1  M\_MODE=3 | | |  |
| 6 | The RBC sends the message to terminate radio communication session. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 24  Packet 42  Q\_RBC=0 | | |  |
| 7 | The EVC sends the termination of a communication session and the RBC answers with the acknowledgement of termination of a communication session. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 156  Message 39 | | |  |
| Final state | | Level | | 2 | | |  |
| Mode | | SH | | |  |
| Train Speed (km/h) | | ≤VSH | | |  |
| Other parameters | |  | | |  |
| Final Test Result | |  | | | | | |
| Field of Application | | Spain | | | | | |
| Briefing instructions | |  | | | | | |