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| *TEST CASE DESCRIPTION* | | | | | | | |
|  | | Code | Version | | Title | | |
| Test Case | | 1.4.10 | 2 | | Level transition from L1 to LSTM ASFA when the first signal beyond the transition border is closed. | | |
|
| Baseline applicable | | Baseline 2 (2.3.0.d) | | | | | |
| Test case author | | ADIF | | | | | |
| Test Objective(s) | | Verify that the transition from level 1 to level STM ASFA is performed correctly and the transition fulfills the location and speed requirements. | | | | | |
| Diagram | |  | | | | | |
| Starting conditions | | Level | | | | 1 | |
| Mode | | | | FS | |
| Train Speed (km/h) | | | | NR | |
| Additional starting conditions | | | | The train is approaching a BG with level transition to LSTM ASFA. The first signal beyond the transition border displays stop aspect.  A level 1 movement authority beyond the transition border is stored onboard. | |
| Sequence of the Test Case | | Checkpoints | | | | | |
| Step | Step description | Interfaces | | Description of what to be tested at the interface | | | OK? |
| 1 | The train receives the level transition announcement via balise group. | DMI (O) | | Level STM ASFA transition announcement is displayed | | |  |
| DMI (I) | |  | | |  |
| JRU | | M\_LEVEL = 2  M\_MODE = 0  Packet 41  D\_LEVELTR = D1  M\_LEVELTR = 1  L\_ACKLEVELTR = L1  NID\_STM = 0 (ASFA)  START DISPLAYING TEXT MESSAGE (1) | | |  |
| 2 | The EVC runs the distance “D1-L1” at which the acknowledgement window of the transition to Level STM ASFA is shown to the driver. | DMI (O) | | Level STM ASFA Acknowledgement is displayed | | |  |
| DMI (I) | |  | | |  |
| JRU | | START DISPLAYING TEXT MESSAGE (2)  Estimated front end = D1 – L1 – L\_DOUBTUNDER | | |  |
| 3 | The driver acknowledges the level transition. | DMI (O) | | Level STM ASFA Acknowledgement disappears | | |  |
| DMI (I) | | Driver acknowledges the level transition | | |  |
| JRU | | M\_DRIVERACTIONS = 10  STOP DISPLAYING TEXT MESSAGE (2) | | |  |
| 4 | The EVC runs the distance "D1" or the balise group with level transition order to LSTM ASFA is read. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Packet 41  D\_LEVELTR = 32767  M\_LEVELTR = 1  NID\_STM = 0 (ASFA) | | |  |
| 5 | Transition to LSTM ASFA is performed (permitted speed does not decrease abruptly). | DMI (O) | | Level STM Symbol  SN Symbol  Level STM ASFA transition announcement disappears  Vpermitted does not decrease abruptly | | |  |
| DMI (I) | |  | | |  |
| JRU | | M\_LEVEL= 1  M\_MODE = 13  STOP DISPLAYING TEXT MESSAGE (1) | | |  |
| Final state | | Level | | STM | | |  |
| Mode | | SN | | |  |
| Train Speed (km/h) | | NR | | |  |
| Other parameters | |  | | |  |
| Final Test Result | |  | | | | | |
| Field of Application | | Spain | | | | | |
| Briefing instructions | | The permitted speed at the transition point allows the train to respect the signaling speed restrictions in the level STM ASFA area.  In addition it shall be verified that once the level transition is performed the driver is able to see the aspect of the first signal of the level STM area and the ASFA system is able to read the information of the previous balise group associated to the first signal of the level STM area. | | | | | |