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| *TEST CASE DESCRIPTION* | | | | | | | |
|  | | Code | Version | | Title | | |
| Test Case | | 3.17.46 | 1 | | Level transition from L2 to LSTM LZB. The level transition announcement is not received, and the first signal of the level STM area is closed. | | |
|
| Baseline applicable | | Baseline 2 (2.3.0.d) | | | | | |
| Test case author | | ADIF | | | | | |
| Test Objective(s) | | Verify that the transition from level 2 to level STM LZB is performed correctly although the level transition announcement is not received, and the train runs according to the signaling in the level STM area | | | | | |
| Diagram | |  | | | | | |
| Starting conditions | | Level | | | | 2 | |
| Mode | | | | FS | |
| Train Speed (km/h) | | | | Maximum permitted speed | |
| Additional starting conditions | | | | The train is running in level 2 towards the level transition border to level STM LZB area.  The first signal beyond the transition border displays stop aspect.  The last balise of the BG that sends the level transition announcement is covered. | |
| Sequence of the Test Case | | Checkpoints | | | | | |
| Step | Step description | Interfaces | | Description of what to be tested at the interface | | | OK? |
| 1 | The train does not read completely the BG containing packet 41 with level transition announcement. The train applies the linking reaction programmed (service brake). | DMI (O) | | Service brake symbol  Linking error message | | |  |
| DMI (I) | |  | | |  |
| JRU | | BALISE GROUP ERROR  M\_ERROR=1  SERVICE BRAKE STATE = APPLICATION  START DISPLAYING PLAIN TEXT MESSAGE (1) | | |  |
| 2 | The EVC reports the balise group inconsistency to the RBC. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 136  Packet 4  M\_ERROR = 1 | | |  |
| 3 | The train comes to standstill and service brake is revoked.  The train informs to RBC that the MA and track description are shortened to the current train position. | DMI (O) | | Vtrain=0  Service brake symbol is removed  MA shortening | | |  |
| DMI (I) | |  | | |  |
| JRU | | V\_TRAIN=0  V\_PERMITTED=0  D\_TARGET=0  SERVICE BRAKE STATE = REVOCATION  STOP DISPLAYING PLAIN TEXT MESSAGE (1)  Message 136  Message 132  Q\_TRACKDEL=0 | | |  |
| 4\* | The EVC receives a MA from the RBC | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 3  Packet 15  Packet 21  Packet 27 | | |  |
| 5 | Train reads the balise group with level transition order to level STM LZB is read. | DMI (O) | | Level STM LZB acknowledgement is displayed | | |  |
| DMI (I) | |  | | |  |
| JRU | | Packet 41  D\_LEVELTR =32767  M\_LEVELTR = 1  NID\_STM = 10 (LZB)  START DISPLAYING TEXT MESSAGE (2) | | |  |
| 6 | Transition to LSTM LZB is performed. | DMI (O) | | Level STM Symbol  SN Symbol | | |  |
| DMI (I) | |  | | |  |
| JRU | | M\_LEVEL=1  M\_MODE=13 | | |  |
| 7 | The driver acknowledges the level transition. | DMI (O) | | Level STM LZB acknowledgement disappears | | |  |
| DMI (I) | | Driver acknowledges the level transition. | | |  |
| JRU | | M\_DRIVERACTIONS = 10 | | |  |
| 8 | The train reports its position to the RBC due to the level transition | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 136  Packet 0  M\_LEVEL=1 | | |  |
| 9 | The RBC sends an order to terminate the communication session and the termination of the communication session is performed. | DMI (O) | | Radio Connection Symbol disappears | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 24  Packet 42  Q\_RBC=0  Message 156  Message 39 | | |  |
| 10 | The EVC supervise the maximum speed corresponding to driving on LZB without transmission. | DMI (O) | | Supervision of Vpermitted according to LZB parameters | | |  |
| DMI (I) | |  | | |  |
| JRU | |  | | |  |
| 11 | The train continues running under the train-specific STM LZB running conditions without transmission.  Train stops in front of the signal in stop aspect | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | |  | | |  |
| 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 first signal closed of the level STM area and apply brake if the train exceed it.  (\*).- In case the RBC does not send a MA when track description was shortened, Override shall be selected to continue.  The EVC changes to L2 SR, and the BG with level transition order will be read in this mode. Making the transition from L2 SR to STM LZB | | | | | |