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| *TEST CASE DESCRIPTION* | | | | | | | |
|  | | Code | Version | | Title | | |
| Test Case | | 3.17.49 | 1 | | Level transition from L2 to LNTC LZB. The level transition order is not received. | | |
|
| Baseline applicable | | Baseline 3 | | | | | |
| Test case author | | ADIF | | | | | |
| Test Objective(s) | | Verify that the transition from level 2 to level NTC LZB is performed correctly when the level transition order is not received | | | | | |
| Diagram | |  | | | | | |
| Starting conditions | | Level | | | | 2 | |
| Mode | | | | FS | |
| Train Speed (km/h) | | | | Maximum permitted speed | |
| Additional starting conditions | | | | The train is approaching the level transition to LZB at the maximum speed of the line and the last lineside signal in the Level 2 area displays proceed aspect and all the marker boards at the level LZB area are also in proceed aspect. | |
| 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 or by RBC. | DMI (O) | | Level NTC LZB transition announcement | | |  |
| DMI (I) | |  | | |  |
| JRU | | (LRBG1)  (If received from RBC Message 3/24/33)  Packet 41 | | |  |
| D\_LEVELTR = D1  M\_LEVELTR = 1  L\_ACKLEVELTR = L1  NID\_NTC  DMI\_SYMB\_STATUS  LE08 | | |
| 2 | The EVC runs the distance “D1-L1” at which the acknowledgement window of the transition to Level NTC LZB is shown to the driver. | DMI (O) | | Level NTC LZB acknowledgement is displayed | | |  |
| DMI (I) | |  | | |  |
| JRU | | Estimated front end=D1-L1-L\_DOUBTUNDER  DMI\_SYMB\_STATUS  LE09 | | |  |
| 3 | The train passes over a CDI and enters in LZB transmission. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | |  | | |  |
| 4 | The driver acknowledges the level transition | DMI (O) | | Level NTC LZB acknowledgement disappears | | |  |
| DMI (I) | | Driver acknowledges the level transition. | | |  |
| JRU | | M\_DRIVERACTIONS = 10 | | |  |
| 5\* | The train does not read completely the BG containing packet 41 with level transition order.  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 COMMAND STATE = COMMANDED | | |  |
| DMI\_SYMB\_STATUS  ST01  SYSTEM\_STATUS\_MESSAGE  Balise read error | | |
| 6\* | The EVC reports the balise group inconsistency to the RBC. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 136  Packet 4  M\_ERROR = 1 | | |  |
| 7\* | The EVC switches to Level NTC LZB when the EVC runs the distance "D1" | DMI (O) | | Level NTC Symbol  SN Symbol  Constant Vpermitted  LNTC LZB transition announcement disappears | | |  |
| DMI (I) | |  | | |  |
| JRU | | M\_LEVEL=1  M\_MODE=13 | | |  |
| DMI\_SYMB\_STATUS  LE02, MO19  Estimated front end (LRBG1)=D1 | | |
| 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) | | Safe radio connection “Connection Up” symbol disappears | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 3/24/33  Packet 42  Q\_RBC=0  Message 156  Message 39 | | |  |
| 10 | NTC LZB continues with transmission mode | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | |  | | |  |
| 11 | The train comes to standstill and service brake is revoked. | DMI (O) | | Vtrain=0  Service brake symbol disappears | | |  |
| DMI (I) | |  | | |  |
| JRU | | V\_TRAIN=0  SERVICE BRAKE COMMAND STATE = NOT COMMANDED  STOP DISPLAYING PLAIN TEXT MESSAGE (1) | | |  |
| Final state | | Level | | NTC | | |  |
| Mode | | SN | | |  |
| Train Speed (km/h) | | NR | | |  |
| Other parameters | |  | | |  |
| Final Test Result | |  | | | | | |
| Field of Application | | Spain | | | | | |
| Briefing instructions | | (\*) -The steps 5/6 and 7/8 can be performed in different order. | | | | | |