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| --- | --- | --- | --- | --- | --- | --- | --- |
| *TEST CASE DESCRIPTION* | | | | | | | |
|  | | Code | Version | | Title | | |
| Test Case | | 1.4.16 | 2 | | Level transition from L1 to L0 + ASFA. The level transition order is not received. | | |
|
| Baseline applicable | | Baseline 3 | | | | | |
| Test case author | | ADIF | | | | | |
| Test Objective(s) | | Verify that the transition from level 1 to level 0 + ASFA is performed correctly when the level transition order is not received | | | | | |
| Diagram | |  | | | | | |
| Starting conditions | | Level | | | | 1 | |
| Mode | | | | FS | |
| Train Speed (km/h) | | | | Maximum permitted speed of the area | |
| Additional starting conditions | | | | The train is approaching a BG with level 0 transition announcement and the signals ahead are in permissive 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. | DMI (O) | | Level L0 transition announcement | | |  |
| DMI (I) | |  | | |  |
| JRU | | M\_LEVEL = 2  M\_MODE = 0  Packet 41 | | |  |
| D\_LEVELTR = D1  M\_LEVELTR = 0  L\_ACKLEVELTR = L1  L1 = 5 sec. x Vmax (track section)  DMI\_SYMB\_STATUS  LE06 | | |
| 2 (\*) | The ETCS on-board unit changes the ASFA mode from EXT to AV/CONV. |  | |  | | |  |
| 3 | The EVC runs the distance “D1-L1” at which the acknowledgement window of the transition to Level 0 is shown to the driver. | DMI (O) | | Level 0 acknowledgement is displayed | | |  |
| DMI (I) | |  | | |  |
| JRU | | Estimated front end=D1-L1-L\_DOUBTUNDER  DMI\_SYMB\_STATUS  LE07 | | |  |
| 4 | The driver acknowledges the level transition. | DMI (O) | | Level 0 acknowledgement disappears | | |  |
| DMI (I) | | Driver acknowledges the level transition. | | |  |
| JRU | | M\_DRIVERACTIONS = 6 | | |  |
| 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 switches to Level 0 when the EVC runs the distance "D1". | DMI (O) | | Level 0 Symbol  UN Symbol  L0 transition announcement disappears | | |  |
| DMI (I) | |  | | |  |
| JRU | | M\_LEVEL=0  M\_MODE=4 | | |  |
| DMI\_SYMB\_STATUS  LE01, MO16 | | |
| 7 | 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 | | |  |
| Final state | | Level | | 0 | | |  |
| Mode | | UN | | |  |
| Train Speed (km/h) | | NR | | |  |
| Other parameters | |  | | |  |
| Final Test Result | |  | | | | | |
| Field of Application | | Spain | | | | | |
| Briefing instructions | | (\*) These steps verify functionality related to NF-27.  (\*\*) -The steps 5 and 6 can be performed in different order (in case step 6 occurs before step 5 no linking reaction is applied). | | | | | |