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| *TEST CASE DESCRIPTION* | | | | | | | |
|  | | Code | Version | | | Title | |
| Test Case | | 3.17.47 | 1 | | | Level transition from level NTC ASFA to level 2. Signal at the transition border in OS aspect (OS in further location) | |
|
| Baseline applicable | | Baseline 3 | | | | | |
| Test case author | | ADIF | | | | | |
| Test Objective(s) | | Verify that the transition from level NTC ASFA to level 2 OS is performed correctly when the on-board receives the level transition order. | | | | | |
| Diagram | |  | | | | | |
| Starting conditions | | Level | | | NTC ASFA | | |
| Mode | | | SN | | |
| Train Speed (km/h) | | | NR | | |
| Additional starting conditions | | | The signal located at the transition point is in OS aspect in the stabling track circuit. | | |
| Sequence of the Test Case | | Checkpoints | | | | | |
| Step | Step description | Interfaces | | Description of what to be tested at the interface | | | OK? |
| 1 | The EVC receives the order to connect with the RBC via balise group. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Packet 42  NID\_RBC  NID\_RADIO  Q\_RBC = 1  Q\_SLEEPSESSION = 0 | | |  |
| 2 | The EVC starts establishing the communication session with the RBC | DMI (O) | | Safe radio connection “Connection Up” symbol | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 155  Message 32  Message 159  Message 129  Message 8  DMI\_SYMB\_STATUS  ST03 | | |  |
| 3 | The train receives via balise group or via RBC a level transition announcement to level 2 | DMI (O) | | Level 2 transition announcement | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 24  Packet 41  D\_LEVELTR=D1  M\_LEVELTR=3  L\_ACKLEVELTR=L1  DMI\_SYMB\_STATUS  LE12 | | |  |
| 4 | The RBC sends a MA with an OS mode profile (the start location of the OS area is located beyond the signal, at the track section of the stabling area) | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 3  Packet 15  Packet 21  Packet 27  Packet 80  M\_MAMODE=0  D\_MAMODE=D3 | | |  |
| 5 | The EVC runs the distance “D1-L1” at which the acknowledgement window of the transition to Level 2 is shown to the driver. | DMI (O) | | Level 2 Acknowledgement is displayed | | |  |
| DMI (I) | |  | | |  |
| JRU | | Estimated front end=D1-L1-L\_DOUBTUNDER  DMI\_SYMB\_STATUS  LE13 | | |  |
| 6 | The driver acknowledges the level transition | DMI (O) | | Level 2 Acknowledgement disappears | | |  |
| DMI (I) | | Driver acknowledges the level transition. | | |  |
| JRU | | M\_DRIVERACTIONS = 8 | | |  |
| 7 | The train receives via balise group or via RBC a level transition order to level 2 and the train switches to level 2 and reports its position to the RBC | DMI (O) | | Level 2  FS mode symbol | | |  |
| DMI (I) | |  | | |  |
| JRU | | Packet 41  D\_LEVELTR=32767  M\_LEVELTR=3  Message 136  Packet 0  M\_LEVEL=3  M\_MODE=0  DMI\_SYMB\_STATUS  LE04, MO11 | | |  |
| 8 | The train is approaching to OS area and the EVC supervises the entry in OS area as an EoA | DMI (O) | | Braking curve to the entry point of OS area | | |  |
| DMI (I) | |  | | |  |
| JRU | | V\_PERM decreases | | |  |
| 9 | The driver acknowledges the OS mode before reaching the beginning of the OS area | DMI (O) | | OS mode acknowledgement message | | |  |
| DMI (I) | | The driver acknowledges OS mode | | |  |
| JRU | | M\_DRIVERACTIONS=0  DMI\_SYMB\_STATUS  MO08 | | |  |
| 10 | The EVC switches to OS mode and sends a position report to the RBC | DMI (O) | | OS mode symbol  OS mode acknowledgement message disappears | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 136  Packet 0  M\_LEVEL=3  M\_MODE=1  DMI\_SYMB\_STATUS  MO07 | | |  |
| Final state | | Level | | 2 | | |  |
| Mode | | OS | | |  |
| Train Speed (km/h) | | NR | | |  |
| Other parameters | |  | | |  |
| Final Test Result | |  | | | | | |
| Field of Application | | Spain | | | | | |
| Briefing instructions | |  | | | | | |