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| *TEST CASE DESCRIPTION* | | | | | | | |
|  | | Code | Version | | Title | | |
| Test Case | | Thales-5 | 1 | | Level transition from L2 to L1. Signal at proceed aspect and MA with V\_LOA greater than 0 and revocation and further restablishment. | | |
|
| Baseline applicable | | Baseline 2 (2.3.0.d) | | | | | |
| Test case author | | Thales | | | | | |
| Test Objective(s) | | Verify that the revocation of the MA is correctly handled by the EVC and afterwards the transition from level 2 to level 1 is performed correctly upon receipt of the transition order without any change in the permitted speed with an MA with V\_LOA greater than zero. | | | | | |
| Diagram | |  | | | | | |
| Starting conditions | | Level | | | | 2 | |
| Mode | | | | FS | |
| Train Speed (km/h) | | | | > 0 | |
| Additional starting conditions | | | | The train is approaching the level transition border which may have certain restrictions beyond at the maximum speed of the line.  All the signals are in proceed aspect.  A level 2 movement authority at the border with V\_LOA greater than 0 is sent. | |
| Sequence of the Test Case | | Checkpoints | | | | | |
| Step | Step description | Interfaces | | Description of what to be tested at the interface | | | OK? |
| 1 | The RBC sends an MA up to the border | DMI (O) | | Level 2 symbol and Full Supervision mode symbol | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 3/33  Packet 15  L\_ENDSECTION up to border signal  V\_LOA > 0  Packet 21  Packet 27  M\_LEVEL = 3  M\_MODE = 0  V\_TARGET > 0 | | |  |
| 2 | The train receives the level transition announcement via balise. | DMI (O) | | Level 1 transition announcement | | |  |
| DMI (I) | |  | | |  |
| JRU | | (LRBG1)  Packet 41  D\_LEVELTR = "D1"  L\_ACKLEVELTR = "L1"  M\_LEVELTR=2 | | |  |
| 3 | The EVC runs the distance "D1" or the balise group with level transition order to level 1 is read. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | (LRBG2)  Packet 41 | | |  |
| D\_LEVELTR = 32767  M\_LEVELTR = 2 | | |
| 4 | The signalman revokes the route at the border signal | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | |  | | |  |
| 5 | The RBC revokes the movement authority previously sent | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 15  D\_EMERGENCYSTOP up to border signal  Message 3/33  Packet 15  L\_ENDSECTION up to border signal  V\_LOA = 0  Packet 21  Packet 27  V\_TARGET = 0 | | |  |
| 6 | The signalman restablishes the route at the border signal | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | |  | | |  |
| 7 | The RBC sends an MA up to the border | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 3/33  Packet 15  L\_ENDSECTION up to border signal  V\_LOA > 0  Packet 21  Packet 27  M\_LEVEL = 3  V\_TARGET > 0 | | |  |
| 8 | Transition to L1 is performed without any abrupt change in the permitted speed. | DMI (O) | | Level 1 symbol | | |  |
| DMI (I) | |  | | |  |
| JRU | | M\_LEVEL = 2 | | |  |
| 9 | The train reports its position to the RBC due to the level transition. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 136  Packet 0/1 | | |  |
| M\_LEVEL = 2 | | |
| 10 | The EVC reports to the RBC the train position when the “min safe rear end” of the train reaches the transition border. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 136  Packet 0/1 | | |  |
| estimated front end (LRBG1) = L\_TRAIN + L\_DOUBTOVER | | |
| 11 | 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 3/24/33  Packet 42 | | |  |
| Q\_RBC=0  Message 156  Message 39 | | |
| Final state | | Level | | 1 | | |  |
| Mode | | FS | | |  |
| Train Speed (km/h) | | NR | | |  |
| Other parameters | |  | | |  |
| Final Test Result | |  | | | | | |
| Field of Application | | Spain | | | | | |
| Briefing instructions | | Optionally, a level 1 transition announcement can be sent by RBC. | | | | | |