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| *TEST CASE DESCRIPTION* | | | | | | |
|  | | Code | Version | | Title | |
| Test Case | | 3.19.4 | 1 | | Track conditions management in RBC/RBC Handover area. | |
|
| Baseline applicable | | Baseline 3 | | | | |
| Test case author | | ADIF | | | | |
| Test Objective(s) | | Verify that when the train runs in an area where there is a transition from RBC1 to RBC2 and receives information of a close track condition, the system manages it correctly. | | | | |
| Diagram | |  | | | | |
| Starting conditions | | Level | | 2 | | |
| Mode | | FS | | |
| Train Speed (km/h) | | NR | | |
| Additional starting conditions | | The route is established in the hand-over area with at least one track condition in the accepting RBC area close to the border between RBCs.  A movement authority which reaches the RBC/RBC handover border is stored on board. | | |
| Sequence of the Test Case | | Checkpoints | | | | |
| Step | Step description | Interfaces | Description of what to be tested at the interface | | | OK? |
| 1 | It is received from RBC1 a transition announcement of RBC1 to RBC2, and information referring to one (or more) track condition(s) beyond the Hand-Over area border. | DMI (O) | Track conditions in the planning area | | |  |
| DMI (I) |  | | |  |
| JRU | Message 3/24 (LRBG1)  Packet 131  NID\_RBC (2) | | |  |
| NID\_RADIO (2)  D\_RBCTR = D1  Message 3/24/33  Packet 68  D\_TRACKCOND(k) > D1 | | |
| 2 | Connection with RBC2. | DMI (O) |  | | |  |
| DMI (I) |  | | |  |
| JRU | Message 155  Message 32  Message 159 | | |  |
| Message 129  Message 8 | | |
| 3 | The train approaches the RBC border. The EVC sends to RBC1 and RBC2 a position report when the maximum safe front end passes the transition border. | DMI (O) |  | | |  |
| DMI (I) |  | | |  |
| JRU | Estimated front end= D(LRBG1)-L\_DOUBTUNDER  Message 136 | | |  |
| Packet 0  Message 136  Packet 0 | | |
| 4 | After passing the transition border, the train receives by balise a transition order to the RBC2. | DMI (O) |  | | |  |
| DMI (I) |  | | |  |
| JRU | Packet 131 (LRBG2)  NID\_RBC (2)  NID\_RADIO (2) | | |  |
| D\_RBCTR = 0 | | |
| 5 | When the min safe rear end passes the transition border, the EVC sends a position report to the RBC1. | DMI (O) |  | | |  |
| DMI (I) |  | | |  |
| JRU | Estimated front end (LRBG2) = L\_TRAIN+ L\_DOUBTOVER | | |  |
| Message 136  Packet 0 | | |
| 6 | It is received from RBC1 an order to terminate the session. The communication session is terminated with the RBC1. | DMI (O) |  | | |  |
| DMI (I) |  | | |  |
| JRU | Message 3/24/33  Packet 42  Q\_RBC=0 Message 156  Message 39 | | |  |
| 7 | The train runs in tunnels, viaducts or powerless sections. | DMI (O) | Management of the track conditions | | |  |
| DMI (I) |  | | |  |
| JRU |  | | |  |
| Final state | | Level | 2 | | |  |  |
| Mode | FS | | |  |  |
| Train Speed (km/h) | NR | | |  |
| Other parameters |  | | |  |
| Final Test Result | |  | | | | |
| Field of Application | | Spain | | | | |
| Briefing instructions | |  | | | | |