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| *TEST CASE DESCRIPTION* | | | | | | | |
|  | | Code | Version | | Title | | |
| Test Case | | 3.19.1 | 1 | | RBC/RBC Handover management. FS mode. | | |
|
| Baseline applicable | | Baseline 2 (2.3.0.d) | | | | | |
| Test case author | | ADIF | | | | | |
| Test Objective(s) | | Verify that the EVC performs the RBC/RBC handover when the train is running from one RBC area to another one. | | | | | |
| Diagram | |  | | | | | |
| Starting conditions | | Level | | | | 2 | |
| Mode | | | | FS | |
| Train Speed (km/h) | | | | Maximum permitted speed | |
| Additional starting conditions | | | | The radio communication session is established with the RBC1.  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 | The RBC1 sends an announcement to perform a handover from RBC1 (Handing Over RBC) to the RBC2 (Accepting RBC). | DMI (O) |  | | | |  |
| DMI (I) |  | | | |  |
| JRU | Message 3/24/33 (LRBG1) Packet 131   NID\_RBC (2)  NID\_RADIO (2)  D\_RBCTR = D1 | | | |  |
| 2 | The establishment of a communication session is initiated by the EVC with the RBC2. | DMI (O) |  | | | |  |
| DMI (I) |  | | | |  |
| JRU | Message 155 Message 32 Message 159 Message 129 Message 8 | | | |  |
| 3 | The train receives from RBC1 an updated MA further than the RBCs border location as a result of the interchange of information between RBC1 and RBC2. | DMI (O) |  | | | |  |
| DMI (I) |  | | | |  |
| JRU | Message 3/33 (LRBG2)  L\_ENDSECTION =D2  D2 (LRBG2) > D1 (LRBG1) | | | |  |
| 4 | The EVC sends to both RBCs (RBC1 and RBC2) a position report when the max safe front end has passed the border location. | DMI (O) |  | | | |  |
| DMI (I) |  | | | |  |
| JRU | estimated front end = D1(LRBG1)-L\_DOUBTUNDER  Message 136  Packet 0  Message 136  Packet 0 | | | |  |
| 5 | At the border location the train receives from balise group an order to switch to RBC2. | DMI (O) |  | | | |  |
| DMI (I) |  | | | |  |
| JRU | Packet 131 (LRBG2)  NID\_RBC (2)  NID\_RADIO (2)  D\_RBCTR = 0 | | | |  |
| 6 | The EVC sends to the RBC1 a position report when the min safe rear end has passed the border location. | DMI (O) |  | | | |  |
| DMI (I) |  | | | |  |
| JRU | estimated front end (LRBG2) = L\_TRAIN+L\_DOUBTOVER  Message 136   Packet 0 | | | |  |
| 7 | The RBC1 sends an order to terminate communication session. 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 | | | |  |
| Final state | | Level | 2 | | | |  |
| Mode | FS | | | |  |
| Train Speed (km/h) | NR | |  |  |  |
| Other parameters | The radio communication session is established with the RBC2. | | | | |
| Final Test Result | |  |  |  |  |  |  |
| Field of Application | | Spain | | | | | |
| Briefing instructions | | It is assumed that the train runs with two active modems. If not, the test case should be adapted accordingly. | | | | | |