|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *TEST CASE DESCRIPTION* | | | | | | | |
|  | | Code | Version | | Title | | |
| Test Case | | 3.6.8 | 2 | | Management of the overlapping TSR information sent by balise and RBC in level 2. | | |
|
| Baseline applicable | | Baseline 2 (2.3.0.d) | | | | | |
| Test case author | | ADIF | | | | | |
| Test Objective(s) | | Verify that the EVC manages the overlap of two TSRs and speed supervision correctly. | | | | | |
| Diagram | |  | | | | | |
| Starting conditions | | Level | | | | 2 | |
| Mode | | | | FS | |
| Train Speed (km/h) | | | | NR | |
| Additional starting conditions | | | | The route includes a level 1 and a level 2 TSR | |
| Sequence of the Test Case | | Checkpoints | | | | | |
| Step | Step description | Interfaces | | Description of what to be tested at the interface | | | OK? |
| 1 | The train receives information of one or several TSR’s from balise. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Packet 65  ΣNID\_TSR(j)  ΣV\_TSR(j) | | |  |
| 2 | The RBC sends a message with one or several TSR’s. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 3/24/33 (LRBG1)  Packet 65  ΣNID\_TSR(i)  ΣV\_TSR(i) | | |  |
| 3 | The train supervises the permitted speed without brake intervention. | DMI (O) | | Braking curve with Vtarget = min(min(V\_TSR(i)), min(V\_TSR(j))) Vtrain < Vpermitted | | |  |
| DMI (I) | |  | | |  |
| JRU | | V\_TRAIN < V\_PERMITTED  Vtarget = min(min(V\_TSR(i)), min(V\_TSR(j))) | | |  |
| 4 | The train reaches the TSR’s area with the max safe front end. | DMI (O) | | Vpermitted = min(min(V\_TSR(i)), min(V\_TSR(j))) Vtrain ≤ V\_permitted | | |  |
| DMI (I) | |  | | |  |
| JRU | | V\_MRSP = min(min(V\_TSR(i)), min(V\_TSR(j)))  V\_TRAIN ≤ V\_MRSP | | |  |
| Final state | | Level | | 2 | | |  |
| Mode | | FS | | |  |
| Train Speed (km/h) | |  | | |  |
| Other parameters | | The train runs inside the overlapping TSR area. | | |  |
| Final Test Result | |  | | | | | |
| Field of Application | | Spain | | | | | |
| Briefing instructions | | This test case is only applicable to trains that do not implement the FN-20 and for lines equipped with level 1 and level 2. | | | | | |