|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *TEST CASE DESCRIPTION* | | | | | | | |
|  | | Code | Version | | Title | | |
| Test Case | | 3.21.1 | 2 | | Co-operative shortening of MA. The train accepts the new MA. | | |
|
| Baseline applicable | | Baseline 3 | | | | | |
| Test case author | | ADIF | | | | | |
| Test Objective(s) | | Verify that the cooperative shortening of MA is performed correctly when the EoA of the new MA sent by the RBC is such that it is not necessary for the train to brake when accepting the new MA. | | | | | |
| Diagram | |  | | | | | |
| Starting conditions | | Level | | | | 2 | |
| Mode | | | | FS | |
| Train Speed (km/h) | | | | NR | |
| Additional starting conditions | | | | The EVC has a MA stored.  The distance to the new EoA is such that the train does not need to brake to stop in the new EoA. | |
| Sequence of the Test Case | | Checkpoints | | | | | |
| Step | Step description | Interfaces | | Description of what to be tested at the interface | | | OK? |
| 1 | It is requested to the signalman to set a stopping point shorter than the current MA.  The RBC sends a request to shorten MA. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 9  Packet 15  L\_SECTION+L\_ENDSECTION < | | |  |
| L\_SECTION+L\_ENDSECTION(Initial) | | |
| 2 | The onboard equipment accepts the new MA. | DMI (O) | | Update of Vtarget and Dtarget | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 137  Packet 0 or 1 | | |  |
| D\_TARGET<D\_TARGET (Initial) | | |
| 3 | The train enters in the braking curve towards the new EoA. | DMI (O) | | Braking curve  Vtarget  Decrease of Vpermitted and Dtarget  Vtrain ≤ Vpermitted | | |  |
| DMI (I) | |  | | |  |
| JRU | | SPEED AND DISTANCE MONITORING INFORMATION  Decrease of V\_PERM  M\_SDMTYPE = 1 | | |  |
| 4 | The train stops before reaching the EoA. | DMI (O) | | Dtarget | | |  |
| 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 | | NOTE: To be executed in Hand-over area. | | | | | |