|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *TEST CASE DESCRIPTION* | | | | | | | |
|  | | Code | Version | | Title | | |
| Test Case | | 3.21.2 | 1 | | Co-operative shortening of MA. The train rejects the new MA. | | |
|
| Baseline applicable | | Baseline 3 | | | | | |
| Test case author | | ADIF | | | | | |
| Test Objective(s) | | Verify that the cooperative shortening of MA is rejected by the train when the EoA of the new MA is such that it is necessary for the train to brake. | | | | | |
| 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 will 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, which forces the intervention of the brakes.  RBC sends a cooperative shorten MA. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 9  Packet 15  L\_SECTION+L\_ENDSECTION < | | |  |
| L\_SECTION+L\_ENDSECTION(Initial) | | |
| 2 | The onboard equipment rejects the new MA. | DMI (O) | | No changes in Vtarget and Dtarget | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 138  Packet 0 or 1 | | |  |
| D\_TARGET=D\_TARGET (Initial) | | |
| 3 | The RBC sends an UES in order to stop the train. | DMI (O) | |  | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 16  NID\_EM (1) | | |  |
| 4 | The EVC switches to TR mode. | DMI (O) | | TR symbol Emergency stop message Emergency brake symbol | | |  |
| DMI (I) | |  | | |  |
| JRU | | M\_MODE = 7 EMERGENCY BRAKE COMMAND STATE = COMMANDED Message 147  NID\_EM (1)  DMI\_SYMB\_STATUS  MO04, ST01  SYSTEM\_STATUS\_MESSAGE  Emergency stop | | |  |
| Final state | | Level | | 2 | | |  |
| Mode | | TR | | |  |
| Train Speed (km/h) | | 0 | | |  |
| Other parameters | |  | | |  |
| Final Test Result | |  | | | | | |
| Field of Application | | Spain | | | | | |
| Briefing instructions | | NOTE: To be executed in Hand-over area if it is possible. | | | | | |