|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Code | Version | | Title | | |
| Test Case | | 3.5.3 | 2 | | Verification of track condition: opening and closing of the air conditioning intakes. | | |
|
| Baseline applicable | | Baseline 3 | | | | | |
| Test case author | | ADIF | | | | | |
| Test Objective(s) | | Verify the management of the air tightness system in tunnels. | | | | | |
| Diagram | |  | | | | | |
| Starting conditions | | Level | | | | 2 | |
| Mode | | | | FS | |
| Train Speed (km/h) | | | | Maximum permitted speed | |
| Additional starting conditions | | | | The train is approaching to a tunnel | |
| 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 about the track conditions "air tightness area" and "non-stopping area" (Tunnel). | DMI (O) | | Non Stopping Area and Close Air Conditioning intakes symbols in the planning information area | | |  |
| DMI (I) | |  | | |  |
| JRU | | Message 3/24/33  Packet 68  M\_TRACKCOND = 5  M\_TRACKCOND = 0 | | |  |
| 2 | The Close Air Conditioning intake symbol is displayed on the “C” area of the DMI 200 m before reaching the tunnel and the air conditioning intake closing is performed automatically. | DMI (O) | | Close Air Conditioning intakes symbol | | |  |
| DMI (I) | |  | | |  |
| JRU | | DMI\_SYMB\_STATUS  TC19 | | |  |
| 3 | The Non Stopping Area symbol is displayed on the “C” area of the DMI when the train reaches the tunnel. | DMI (O) | | Non Stopping Area symbol | | |  |
| DMI (I) | |  | | |  |
| JRU | | DMI\_SYMB\_STATUS  TC10 | | |  |
| 4 | The min safe rear end of the train leaves the tunnel. | DMI (O) | | Stop displaying Non Stopping Area symbol | | |  |
| DMI (I) | |  | | |  |
| JRU | |  | | |  |
| 5 | After the min safe rear end of the train has run a distance from the tunnel equivalent to 10 seconds at the maximum permitted speed in the tunnel, the system automatically opens the air conditioning intakes. | DMI (O) | | Stop displaying Close Air Conditioning intakes symbol | | |  |
| 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 | | The air conditioning intakes automatic opening/closing shall be checked. | | | | | |