## Test Case 2.5

Validated Requirements

1900: Provide door obstruction status (Functional Requirement)

Description

This test case verifies that Door obstruction status send to TCCU.

Categories

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| Formal Test | Yes |
| Execution Environment | Lab |
| V-Level | System |
| Function Group | Passenger Information and Entertainment Systems |
| Regression | No |
| Automated | Yes |
| Single Unit Operation Applicability | Yes |
| Multiple Unit Operation Applicability | No |

Pre-Condition

Set Train in TS4 State for DT-1 Cab

Test Case Design

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| **Nos** | **Action** | **Expected Result** |
| 1 | Set Door-1 obstruction status of DT-1 Car (Car-1) from EDCU1 as active | Verify that Door-1 obstruction status send to TCCU1 as Door Obstruction detected (1) |
| 2 | Set Door-2 obstruction status of DT-1 Car (Car-1) from EDCU1 as active | Verify that Door-2 obstruction status send to TCCU1 as Door Obstruction detected (1) |
| 3 | Set Door-3 obstruction status of DT-1 Car (Car-1) from EDCU1 as active | Verify that Door-3 obstruction status send to TCCU1 as Door Obstruction detected (1) |
| 4 | Set Door-4 obstruction status of DT-1 Car (Car-1) from EDCU1 as active | Verify that Door-4 obstruction status send to TCCU1 as Door Obstruction detected (1) |
| 5 | Set Door-1 obstruction status of DT-1 Car (Car-1) from EDCU1 as inactive | Verify that Door-1 obstruction status send to TCCU1 as Door Obstruction not detected (0) |
| 6 | Set Door-2 obstruction status of DT-1 Car (Car-1) from EDCU1 as inactive | Verify that Door-2 obstruction status send to TCCU1 as Door Obstruction not detected (0) |
| 7 | Set Door-3 obstruction status of DT-1 Car (Car-1) from EDCU1 as inactive | Verify that Door-3 obstruction status send to TCCU1 as Door Obstruction not detected (0) |
| 8 | Set Door-4 obstruction status of DT-1 Car (Car-1) from EDCU1 as inactive | Verify that Door-4 obstruction status send to TCCU1 as Door Obstruction not detected (0) |
| 9 | Set Door-5 obstruction status of DT-1 Car (Car-1) from EDCU1 as active | Verify that Door-5 obstruction status send to TCCU1 as Door Obstruction detected (1) |
| 10 | Set Door-6 obstruction status of DT-1 Car (Car-1) from EDCU1 as active | Verify that Door-6 obstruction status send to TCCU1 as Door Obstruction detected (1) |
| 11 | Set Door-7 obstruction status of DT-1 Car (Car-1) from EDCU1 as active | Verify that Door-7 obstruction status send to TCCU1 as Door Obstruction detected (1) |
| 12 | Set Door-8 obstruction status of DT-1 Car (Car-1) from EDCU1 as active | Verify that Door-8 obstruction status send to TCCU1 as Door Obstruction detected (1) |
| 13 | Set Door-5 obstruction status of DT-1 Car (Car-1) from EDCU1 as inactive | Verify that Door-5 obstruction status send to TCCU1 as Door Obstruction not detected (0) |
| 14 | Set Door-6 obstruction status of DT-1 Car (Car-1) from EDCU1 as inactive | Verify that Door-6 obstruction status send to TCCU1 as Door Obstruction not detected (0) |
| 15 | Set Door-7 obstruction status of DT-1 Car (Car-1) from EDCU1 as inactive | Verify that Door-7 obstruction status send to TCCU1 as Door Obstruction not detected (0) |
| 16 | Set Door-8 obstruction status of DT-1 Car (Car-1) from EDCU1 as inactive | Verify that Door-8 obstruction status send to TCCU1 as Door Obstruction not detected (0) |
| 17 | Repeat the steps 1 to 16 for all other cars | |
| 18 | Repeat the steps 1 to 17 for door obstruction received from EDCU8(Redundant) | |
| 19 | Deactivate DT-1 cab and activate DT-2 cab | |
| 20 | Repeat the steps 1-18 for door obstruction status send to TCCU2 | |
| 21 | Deactivate DT-2 cab | |

Post-Condition

Set Train State is TS1.