## Test Case 1.5

Validated Requirements

17: Event due to HV equipment cover open - ACM (Functional Requirement)

Description

Check if TCMS generates a diagnostic message when any auxiliary converter box cover is opened

Categories

|  |  |
| --- | --- |
| Formal Test | Yes |
| Execution Environment | Lab |
| V-Level | System |
| Function Group | Power Supply |
| Regression | No |
| Automated | No |
| Single Unit Operation Applicability | Yes |
| Multiple Unit Operation Applicability | No |

Pre-Condition

1. Train is in TS4

Test Case Design

|  |  |  |
| --- | --- | --- |
| No | Action | Expected Result |
| 1 | Make sure that all auxiliary converter box covers are closed | On the VDU of the active cab, verify that:  TCMS doesn't generate any diagnostic message "High Voltage equipment cover open in the train" |
| 2 | Open auxiliary converter box cover in C1DT | On the VDU of the active cab, verify that:  TCMS generates a diagnostic message "High Voltage equipment cover open in the train". |
| 3 | Close relevant auxiliary converter box cover | On the VDU of the active cab, verify that:  TCMS doesn't generate any diagnostic message "High Voltage equipment cover open in the train" |
| 4 | Repeat steps 2 and 3 for C1M1 | Verify that the expected results are presented. |
| 5 | Repeat steps 2 and 3 for C1M2 | Verify that the expected results are presented. |
| 6 | Repeat steps 2 and 3 for C2M2 | Verify that the expected results are presented. |
| 7 | Repeat steps 2 and 3 for C2M1 | Verify that the expected results are presented. |
| 8 | Repeat steps 2 and 3 for C2DT | Verify that the expected results are presented. |
| 9 | Repeat steps 1 to 8 for the other cab | Verify that the expected results are presented. |

Post-Condition

Set train to TS1