## Test Case 3.5

Validated Requirements

275: Cab active relay failed (Functional Requirement)

Description

This test case verifies that event is logged when any one loop of cab active relay fails.

Categories

|  |  |
| --- | --- |
| Formal Test | Yes |
| Execution Environment | Lab |
| V-Level | System |
| Function Group | Train Control, Presence and Coupling |
| Regression | No |
| Automated | No |
| Single Unit Operation Applicability | Yes |
| Multiple Unit Operation Applicability | No |

Pre-Condition

1.  Set Train State to TS3.

Test Case Design

|  |  |  |
| --- | --- | --- |
| No | Actions | Expected Result |
| 1 | Set Cab M to Active by setting Loop X and Loop Y as consistent | Verify that no event is logged |
| 2 | Set Loop 2 input of cab Activation in Cab M as Inactive | Verify that event is logged indicating cab Active Relay of Loop 2 in Cab M has failed |
| 3 | Set Loop 2 input of cab Activation in Cab M as Active | Verify that no event is logged indicating cab Active Relay of Loop 2 in Cab M has failed |
| 4 | Set Loop 1 input of cab Activation in Cab M as Inactive | Verify that event is logged indicating cab Active Relay of Loop 1 in Cab M has failed |
| 5 | Set Loop 1 input of cab Activation in Cab M as Active | Verify that no event is logged indicating cab Active Relay of Loop 1 in Cab M has failed |
| 6 | Repeat steps 2 to 5 after deactivating Cab M and activating Cab N | Check that appropriate events are logged |

Post-Condition

1.  Set Train State to TS1.