Defined Technical Verification Test –Wiring Recoveries

This test is to confirm that wires or equipment for recovery have been completely removed, insulated or made safe.

Ideally, redundant wires should be completely removed, but in some circumstances it is not be possible to completely remove all redundant wires at the time of changeover.

If a redundant wire cannot be completely removed at the time of changeover, it shall be temporarily insulated and removed later, or permanently insulated.

The Test Plan shall be consulted to identify which option is required, and to identify any actions, e.g. additional tests, to be taken when wires are not completely removed.

A. Wires That Have Been Positively Identified (Check Marked With “REM”)

a. Complete Removal

1. *Check* each previously prepared redundant a wire to the Test Copy and its recovery identification, and check the correct Commissioning Identifier is affixed to the tape or paper label.
2. Disconnect the redundant wire at each end.
3. Completely remove the disconnected wire.
4. Apply a tick to the “REM” check mark on the Test Copy.

b. Temporary Insulation

This process applies when the time for the changeover is such that it is not possible to completely recover wires during the changeover, but wires shall be completely recovered later.

1 *Check* each previously prepared redundant a wire to the Test Copy and its recovery identification, and check the correct Commissioning Identifier is affixed to the tape or paper label.

2 Disconnect the redundant wire at each end.

3 Apply the “TMP” check marks to the Test Copy at either end of the wire.

4 Temporarily insulate both ends in accordance with NR/L3/SIG/10064, section NR/GI/E052.

5 Apply a tick to the appropriate “TMP” check mark on the Test Copy.

6 Later the redundant wire shall be Completely Removed, see above.

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B. Wires That Have Not Been Positively Identified (Check Marked With A "TBC")

a. Complete Removal

1 *Check* each previously prepared redundant a wire to the Test Copy and its recovery identification, and check the correct Commissioning Identifier is affixed to the tape or paper label.

2 Disconnect the redundant wire at each end.

3 *CONTINUTY TEST* the wire.

NOTE: Where there are two wires and only one is to be recovered, the tape marker or label is around both wires, and therefore both wires require continuity testing to identify the correct wire to be recovered. The tape marker or label shall be removed from the wire that is to remain. This wire shall then be reterminated.

4 Apply a tick to the "TBC" check mark on the Test Copy.

5 As far as possible *Check* the wire to be recovered for continuity by physical tracing.

6 Apply the "REM" check mark to the Test Copy.

7 Completely remove the disconnected wire.

8 Apply a tick to the "REM" check mark on the Test Copy.

b. Temporary Insulation

This process applies when the time for the changeover is such that it is not possible to completely recover wires during the changeover, but wires shall be completely recovered later. This shall be completed prior to Entry Into Operational Service.

1 *Check* each previously prepared redundant a wire to the Test Copy and its recovery identification, and check the correct Commissioning Identifier is affixed to the tape or paper label.

2 Disconnect the redundant wire at each end.

3 Apply the "TMP" check marks to the Test Copy at either end of the wire to supercede the "TBC" checkmark previously applied during preparatory testing.

4 *CONTINUTY TEST* the wire.

NOTE: Where there are two wires and only one is to be recovered, the tape marker or label is around both wires, and therefore both wires require continuity testing to identify the correct wire to be recovered. The tape marker or label shall be removed from the wire that is to remain. This wire shall then be reterminated.

5 Apply a tick to the "TBC" check mark on the Test Copy.

6 Temporarily insulate both ends in accordance with NR/L3/SIG/10064, section NR/GI/E052.

7 Apply a tick to the appropriate "TMP" check marks on the Test Copy.

8 Apply the "REM" check mark to the Test Copy.

9 Later the redundant wire shall be Completely Removed, see above.

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