Test Plan :

TxN Input Power Low/High/Abnormal

Requirement:

Input power alarms should have TTs raised for them after a specific, 5 minute, wait period, to allow the events to clear automatically. If a power abnormal alarm is received it should be treated as a parent event for the low and high power alarms.

Policy(s)

TxnInputPower

This policy check all TxN power events. If the event has not cleared after 5 minutes generates a new TT if there isn’t already one raised for a TxN power event from the same node. If there is a TT for a TxN power event it will use the same TT

Test Event source:

TxN Power High Event

TxN Power Abnormal event

Note: if these events cannot be generated by ML then it may be necessary to use synthetic events. If this is the case the ML should certify that the synthetic events are suitable for this testing

Test 1 – Check Basic operation

1. Insert TxN Power High Event
2. Check Event appears in a suitable AEL
3. After 5 minutes check that a TT is raise

Following this test clear the alert and it’s associated TT

Test 2 – Check that no TT is raised if the event is cleared within the 5 minute window

1. Insert TxN Power High Event
2. Check Event appears in a suitable AEL
3. Clear the Event
4. After 5 minutes check that no TT has been raised

Test 3 - check that multiple power events for a given Node only generate 1 TT

1. Insert TxN Power Abnormal Event
2. Check Event appears in a suitable AEL
3. After 5 minutes check that a TT is raised – make a note of its reference
4. Insert TxN Power High Event
5. Check Event appears in a suitable AEL
6. Check the event has the same TT reference as the TxN Power Abnormal Event
7. Check the TT has been updated to show the additional event