BSS Environmental Alarm Handling

### Requirement:

Multiple IP alarms associated with the same Node and of the same EventID

should be handled in as a single incident and not raise individual TTs.

### Policy(s)

ML\_IP\_Bulk\_Alarm

### Test Event source:

All Events should be

Class=999999 (just a test class to allow easy identification of events

MantFlag=1

Type=1

Severity=3

ImpactFlag=4

Event 1 - NET\_IP\_BLK\_001-1

Node = ‘Test1’

EventID=’ NET\_IP\_BLK\_001’

Summary ='BFD Session Down ( bfdSessEntry.2104 )'

Event 2 - NET\_IP\_BLK\_001-2

Node = ‘Test1’

EventID=’ NET\_IP\_BLK\_001’

Summary ='BFD Session Down ( bfdSessEntry.2105 )'

Event 3 - NET\_IP\_BLK\_001-3

Node = ‘Test2’

EventID=’ NET\_IP\_BLK\_001’

Summary ='BFD Session Down ( bfdSessEntry.2104 )'

Event 4 - NET\_IP\_BLK\_001-4

Node = ‘Test2’

EventID=’ NET\_IP\_BLK\_001’

Summary ='BFD Session Down ( bfdSessEntry.2105 )'

Event 5 - NET\_IP\_BLK\_001-1

Node = ‘Test1’

EventID=’ NET\_IP\_BLK\_008’

Summary = ’Interface FastEthernet0/17, changed state to down’

### Test 1 – basic functionality

1. Insert the test event (Event 1)
2. Check the event appears in WebTop
3. Wait for Synthetic event ( < 1 Min)
4. Check Synthetic event is generated, checking Node is same as test event and that AlertKey is the EventID .
5. Check Event Journal of synthetic event of entry about the original event
6. Check SyntheticServerSerial and Synthetic ServerName fields are populated in the original event
7. Wait for 15 minute check TTNumber is populated in the synthetic event
8. Check Incident Record in TSRM
9. Wait for a further minute and check TTNumber is populated in the original event
10. Clear the original event
11. Check that the synthetic event is set to clear
12. Check that the Incident Record is set to resolved

### Test 2 – Single Node with Multiple Events of the same EventID

1. Insert the test event (Event 1)
2. Check that synthetic event and Incident record are created
3. Insert second test event (Event 2)
4. Check that separate synthetic event and Incident record are NOT created
5. Check journal of synthetic event has details of both source events
6. Clear Event 1
7. Check that the synthetic event is not cleared
8. Check that the Incident Record is not set to resolved
9. Clear Event 2
10. Check that the synthetic event is set to clear
11. Check that the Incident Record is set to resolved

### Test 3– Single Node of the multiple Events with different EventID’s

1. Insert the test event (Event 1)
2. Check that synthetic event and Incident record are created
3. Insert second test event (Event 5)
4. Check that an additional synthetic event and Incident record are created
5. Clear Event 1
6. Check that the synthetic event associate to Event 1 is not set to clear
7. Check that the Incident Record associate to Event 1 is not set to resolved
8. Clear Event 5
9. Check that the synthetic event associate to Event 2 is set to clear
10. Check that the Incident Record associate to Event 2 is set to resolved

### Test 4– Multiple Nodes with events of the same EventID

1. Insert the test event (Event 1)
2. Check that synthetic event and Incident record are created
3. Insert second test event (Event 3)
4. Check that an additional synthetic event and Incident record are created
5. Insert third test event (Event 2)
6. Check that it’s SyntheticServerSerial, Synthetic ServerName and TTNumber are populated
7. Check journal of synthetic event associated with Events 1 and 2 has details of both source events
8. Insert forth test event (Event 4)
9. Check that it’s SyntheticServerSerial, Synthetic ServerName and TTNumber are populated
10. Check journal of synthetic event associated with Events 3 and 4 has details of both source events
11. Clear Event 1
12. Check that the synthetic event associate to Events 1 and 2 is not set to clear
13. Check that the Incident Record associate to Events 1 and 2 is not set to resolved
14. Clear Event 3
15. Check that the synthetic event associate to Events 3 and 4 is not set to clear
16. Check that the Incident Record associate to Events 3 and 4 is not set to resolved
17. Clear Event 2
18. Check that the synthetic event associate to Events 3 and 4 is set to clear
19. Check that the Incident Record associate to Events 3 and 4 is set to resolved
20. Clear Event 2
21. Check that the synthetic event associate to Events 1 and 2 is set to clear
22. Check that the Incident Record associate to Events 1 and 2 is set to resolved