# Multiple Site Down Policy

This policy takes Synthetic events from

Site Down

Cell Down

Termination Point Down

These events will contain Node which will be used to look up Network Topology information (LinkSet and LinkSeq). LinkSet is a group of associated Links n a network where LinkSeq is the place in the LinkSet. Seq No 1 is nearest to the Core.

If the Node is not found in the relationship Table

There is a ParentChild Flag which has the following values

      0 - Event not involved in Parent/Child Relationship  
      3 - Potential Child and Parent Event (Waiting Testing)  
      4 - Established Child Event  
      5 - Established Parent Event

      8 - Relationship not found in table

Initially the event is tested to see if there is an existing Parent Event ( LinkSet = @LinkSet, LinkSeq > @LinkSeq and ParentChild > 3)

If there is an existing Parent Event the new event should be updated with

ParentChild = 4 (Child Event)

Parent ID = Parent Node

SuppressEscl = 4 (Suppressed)

If there is no Parent Event then

Set the ParentChild of the new event = 5 (Parent Event)

Check if there are any existing Child Events ( LinkSet = @LinkSet, LinkSeq < @LinkSeq and ParentChild > 3)

If there are any Child Events then they should be updated with

ParentChild = 4 (Child Event)

Parent ID = Node

SuppressEscl = 4 (Suppressed)

When a Parent event is set to clear then any existing child events should have Parent Child Flag re-set to 3 so they are reprocessed