Problem

- When C Restarts, it will leave stale LSAs in other nodes which have full adjacencies to B & E
- When C comes-up, B and E use old LSAs and assume adjacency with C is bi-directional
Problem

- Use of stale LSA causes
  - Drop in traffic as C has not downloaded routes
Solution

• Neighbors of Restarting router
  • Do not bring-up adjacency with C until:
    • All stale LSAs self-originated by the neighbor are received.
    • Request self-originated LSAs from the neighbor that have a sequence number different from the one in the Link State Database (change from just more recent).
Solution

C-----------------E

DBD: LSA A origin:C ------->
    Sequence:X

                      DBD: LSA A Origin:C
                      Sequence:Y

LSReq LSA A,
origin C, Seq Y----->

  Modified Procedure

  LSReq LSA A, Origin C, Seq X

LSA A, Origin C,
Seq:X       -------->

  LSA A, Origin C, Seq:Y

C re-originating self LSA

LSA A, Origin C, --------> Mark LSReq
Seq:Y+1 

LSAA, Origin C, Seq X
  Satisfied
Next Steps

- Request for review and comments
Thank you