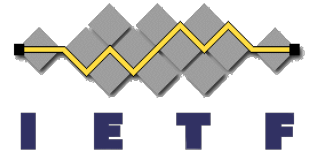
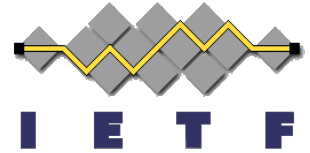


OSPF Adjacency Suppression Alternative

Acee Lindem, LabN

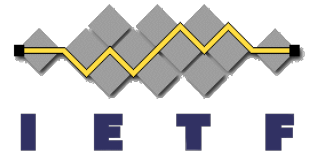


Problem Worth Solving – Based on Previous



- After more than 30 years of deployment, why is this now a problem?
- Normally, it won't be problem since LSAs will be flooded and accepted as soon as the Exchange state is entered.
- Proposed solution modifies Neighbor FSM for extreme corner case.
- Proposed solution delays adjacency formation with additional handshake (which is not fully specified) for extreme corner case.
- Medicine is worst than the disease...

Alternate Solution – If Problem Must Be Solved



- During Database Exchange, Always request your neighbor's Router-LSA when the instance is different from the copy in the Link State Database.
- Modify Section 10.6 of RFC 2328:

If it does not, or if the database copy is less recent (see Section 13.1), **or if the database copy is more recent (see Section 13.1) and it is the neighbor's Router-LSA**, the LSA is put on the Link state request list so that it can be requested (immediately or at some later time) in Link State Request Packets.