SMF Status

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IETF 72
Dublin, Ireland – 29 July 2008

draft-ietf-manet-smf-07

- Document has been unchanged since March
- A few minor editorials and clarifications are in progress
  - Double checking changes in other revised documents
  - Packet-bb namespaces, TLV extensions, etc
- Contributors are working on clarifying the multiple interface aspects/issues regarding the application of CDS forwarding algorithms
- Expect a revision in a few weeks -08, feel this will ready for LAST CALL WG consideration

"nrlsmf" Implementation Update

- Example user-space implementation available at:
  - http://downloads.pf.itd.nrl.navy.mil/smf/
- Supports SMF CDS modes in concert with unicast MANET routing protocols providing neighborhood discovery:
  - NRL-OLSR
    - S-MPR, MPR-CDS, E-CDS
  - Boeing MANET-OSPF Quagga reference code
    - E-CDS
- Real world and ns2/OPNET capable
- Supports CF mode for stand-alone operation
- Capable of forwarding among multiple interfaces
- IPv4/IPv6 are both supported including IPsec
- Present code has no packetbb integration
- Plan to integrate with packetbb library presented in Philadelphia
  - Waiting for packetbb spec to stabilize