

MANET

Charter Update and Status

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WG State

- Charter has been officially updated
- New MANET co-chair: Ian Chakeres
- Documents
 - 1 Informational
 - 3 EXP RFC Specifications
 - DSR Progress: AD review passed
 - 3 new WG IDs planned from milestones
 - DYMO -00 recently posted

Focus Review

- Primary focus is to address manet use as a routing technology extension at the edges of an IP infrastructure
- IPv4 and IPv6 Compatible Designs
- Support for deployment of hybrid mesh infrastructures
 - Mixture of fixed (e.g., grid) and mobile nodes
 - Support for local non-routing nodes or nodes with different resource capabilities
- Fundamental goal: improved operational IP routing performance for dynamic, wireless routing regions

Standards Track Work Items

- (1) Consensus-based Proactive Protocol Work Item
 - Initial ID in progress
 - Likely posting within 4 weeks
- (1) Reactive Protocol Work Item
 - Initial 00 ID posted prior to meeting
- Approach: Take lessons learned from present work done
- Goal: Target Proposed Standards Submission

Simplified Multicast Forwarding Work Item

- Apply lessons learned regarding efficient flooding in MANETs
- GOAL: Provide a generic, simplified multicast forwarding capability
- Limit forwarding mechanism applicability to MANET routing areas, but support interoperability with connected infrastructure
- EXP RFC target, then progress if positive test experience is gained using the protocol
- STATUS: Progress made in recent implementations and review of previous work (e.g., MPR-F). Target a -00 draft for posting within 4 weeks of IETF Meeting.