

MANET

Draft Charter Update/Plans

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WG Purpose

- This is Routing Area WG!
- Standardize IP routing protocol functionality suitable for dynamic wireless topology application

Planned WG Focus

- Primary focus is to address manet use as a routing technology extension at the edges of an IP infrastructure
- IPv4 and IPv6 Support
- 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

(3) Next Stage Work Items

- Reactive MANET Routing Protocol (RMRP)
- MANET Proactive Routing Protocol (PMRP)
- Simplified Multicast Forwarding Protocol

Standards Track Work Items

- (1) Proactive Protocol Work Item
- (1) Reactive Protocol Work Item
- Take lessons learned from present work done
- 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 applicability to MANET routing areas
- While there are MANY potential interesting application uses, group will concentrate on best effort forwarding aspects at routing layer
- EXP RFC target, then progress if positive test experience is gained using the protocol
- More LATER in the meeting

Draft Milestones

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| Nov 04 | Review planned work items and update group approach |
| Mar 05 | Submit initial ID of RMRP for WG review |
| Mar 05 | Submit initial ID of PMRP for WG review |
| Mar 05 | Submit initial ID of generalized MANET flooding approach for WG review |
| Jun 05 | Revise IDs as needed |
| Sep 05 | Document initial implementation progress and experience |
| Nov 05 | Review and update milestones (Consider submission maturity) |