Status

• WGLC on -10 (30/08/09-05/10/09)
• NHDP-11 issued (27/10/2009)
  • Repeat addresses enabled if on distinct & isolated interfaces
  • Which addresses can be omitted in HELLO
  • Still one editorial nit (Thanks Teco)
Way Forward

- WGLC completed
- 1 editorial nit remains
- MIBs in process

➡ Ready to move this doc to IESG

➡ Waiting on action from WG chairs

Thursday, November 12, 2009
Learned from an AD that std.track protocols SHOULD be accompanied by state machines

Suggestion by another AD to:

- Write state machines in separate document (status: informational)
- Move NHDP to IESG, ref work-in-progress doc.
- Progress NHDP in IESG while finishing state machines as individual or in WG....
draft-ietf-manet-nhdp

State Machines

So Justin and I conspired....

....and have produced such a document.....
Draft IETF MANET NHDP

State Machines

**Advertisable**

New Link

L_pending = INITIAL_PENDING
L_quality = INITIAL_QUALITY

L_pending = true

PENDING

L_quality \geq HYST_ACCEPT

L_pending = false
L_lost = false
Set L_time

Advertisable

L_quality < HYST_REJECT

L_lost = false

L_lost = true
Set L_time

LOST

L_HEARD_TIME \neq expired
L_SYM_TIME \neq expired

LOST

L_HEARD_TIME = expired
L_SYM_TIME = expired

WAS

SYM METRIC

L_sym_time \neq expired

HEARD

L_HEARD_TIME \neq expired
L_SYM_TIME \neq expired

SYMMETRIC

L_lost = false

L_lost = true

Set L_time

Thursday, November 12, 2009
Most FSMs Believed Done

- two different FSMs/approaches, cross-check for correctness

Need to I-D-ify

- ASCII-art
- Tables
- Explanatory Text

Target: -00 within shortly

Thursday, November 12, 2009
Status

- Been on “backburner” - progress on NHDP is priority
- OLSRv2-10:
  - Caught-up with NHDP-10
  - Backbone/leaf simplification for routing graph (See section 4.3.4, 6.3.2, 15)
  - Nitpicks, editorials
Way Forward

- Been on “backburner” - progress on NHDP is priority
- Fold in Metrics
- Major editorial overhaul
  (postponed until Metrics fold in ready)
- State Machines ;)
  FSMs for about half are ready (simpler than NHDP)
  Expect I-D submission shortly
ETX Metrics Document

(This is just an announcement)
Status?

- Discussion on the list on ETX
- Almost overwhelming operational justification as a viable candidate metric
OLSR-based
400 devices
1240 links
OPERATIONAL
With ETX

Thursday, November 12, 2009
Way Ahead

● I-D in the works:
  ● Close to submission.
  ● Based off the FunkFeuer.at “existence proof” and experience (Henning Rogge / Aaron Kaplan)
Summary

• NHDP: Waiting for WG chair action
  • Nit + NHDP FSM I-D
• OLSRv2: Waiting for NHDP
  • Metric + OLSRv2 FSM ID + Edit
• ETx:
  • I-D forthcoming