# Detecting Network Attachment (dna)

66th IETF - Montreal, Quebec, Canada

THURSDAY, July 13, 2006 1510-1610

# AGENDA

- 05 mins Agenda Bashing
- 10 mins Document Status
- 40 mins Combined DNA draft discussion
- 05 mins New milestone discussion

# Minutes

- Please state name at the mic. for audio stream and minute takers.

# Document Status

- Follow the DNA WG status page:
  - http://tools.ietf.org/wg/dna/
- DNA protocol document amalgamation
  - Passed consensus call (discussed later)
- draft-ieft-dna-link-information
- draft-ietf-dna-network
- draft-ietf-dna-frd

# draft-ieft-dna-link-information-03

- IESG review: received DISCUSS
- Review comments from Bernard and Jari.
- New document needed
- Remaining issues:
  - Safety/usefulness of link-down mechanisms
    - Proposal: Warn about spurious link-down indications
  - 802.3 (Ethernet) 802.1D/802.1AB timing and flags issues
    - Proposal: As link-indication flags are not used in DNA, remove them, and provide applicability statement
    - Proposal: Ensure that defaults timers are based on RSTP.

# draft-ietf-dna-network-00

- Replacement for draft-ietf-dna-routers
  - Network deployment considerations.
  - Doesn't modify implementations
- Reviews:  John and Julien
  - Primarily editorial changes (not technical problems)
  - Under revision now (Nicolas)
  - Will check with reviewers
- WGLC when new document is issued.

# draft-ietf-dna-frd-01

- Received review from Greg
  - Incorporating editorial comments
- Additional security considerations added after review
  - New text will be reviewed by next week.
- Additional review welcome
- New document expected soon
  - WGLC after publication
  - Aimed at informational.

# DNA Solutions

- Last meeting, discussed options for combining documents
- Proposals for combining documents taken to list
  - Two popular proposals presented in consensus call.
- Rough consensus: combine into one DNA Solution document
  - draft-ietf-dna-protocol
  - draft-ietf-dna-tentative
  - draft-ietf-dna-cpl
  - draft-ietf-dna-hosts

# Core procedure: Prefix Lists

- Hosts gather list of on-link prefixes
  - Solicit for routers.
  - Once list is complete, quick change detection possible
- Additional procedures add shortcuts which guarantee fast DNA
  - CompleteRA immediately creates a prefix list
  - Link Identifiers provide a common prefix for change detection
  - Landmarks provide optimized size if no movement

# Milestones proposal

- August 2006
  Submit to IESG Network deployment considerations for DNA in IPv6

- August 2006
  Submit to IESG Fast Router Discovery with Link-Layer Support

- October 2006
  Submit to IESG Detecting Network Attachment in IPv6

- December 2006
  Close or Re-charter WG.