Summary of Mailing List Comments

• Prioritization of characteristics presented at the last BOF
  - main energy seemed to be behind the issues found in wireless networks
    • links with high BER
    • links with inconsistent BER
    • links with outages
    • thin networks
  - topics other than wireless were made, but did not generate a lot of discussion
  - some researchy topics were discussed
Proposed Charter

- Consider the impact of link characteristics on upper layer protocols.

- Scope:
  - identification of mechanisms and interactions
  - well understood and less well understood mitigations
  - discussion of possible protocol changes
    - possible re-chartering to handle these
Documents:

- Considerations for Link Layer Designers
- Capabilities, limitations and pitfalls of PEPs (spoofing, proxies, whatever!)
- Pointer documents for various communities
  - wireless
Documents (cont.):

- Considerations for a particular problematic link-layer characteristic (or group of closely related characteristics).
  - significantly low bandwidth networks
  - lousy links
    - high BER
    - inconsistent BER
    - outages (?)
Charter Comments

• On including PEPs:
  - very commercial
  - could be a rathole
    • which active network elements are to be considered and which are not?
Charter Comments (cont.)

- Suggestion: Several BOFs, rather than a WG:
  - highly focused
  - better chance of getting good output

- Thoughts:
  - more consistency across documents if we have a WG, rather than a disjoint set of BOFs
Charter Comments (cont.)

- Why not a TCP Over Wireless effort?
- Thoughts:
  - by keeping things more generic, we have the chance to serve more than just the wireless community
  - (e.g. wireless folks aren’t the only ones with lousy links (e.g., satellite, long haul fiber, modem banks, etc.))
  - provides a generic framework for later additions, if energy for certain problems becomes available
  - by providing short “pointer documents” for communities, we provide direction to that community without losing the genericness of the documents
Charter Comments (cont.)

- Others???
Milestones

- May 1999
  - Draft on significantly low bandwidth links.
  - Draft on lossy links.

- June 1999
  - Draft of link-layer design considerations document.
  - Draft of PEP capabilities and limitations document.

- Oct 1999
  - Draft of "TCP Over Wireless" overview/pointer document.
Milestones (cont.)

- Nov 1999

  - Document on low bandwidth links to IESG for publication as Informational.
  - Document on high BER links to IESG for publication as Informational.
  - Document on link-layer design considerations submitted for publication as BCP.
  - Document on PEP capabilities and limitations submitted for publication as Informational.
  - TCP Over Wireless document to the IESG.
  - Possible rechartering of WG to address modifications to IETF protocols.