Overview of
IPPM RFC's and ID's

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RIPE-NCC New Projects Group

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IETF WG groups

- IPPM: IP Performance Metrics

- Related WG's
  - **RTFM:** Real Time Flow Measurements
  - **BMWG:** Benchmarking Methodology
  - **PILC:** Performance Implications of Link Characteristics
  - **TSVWG:** Transport Area Working Group
  - **SNMPCONF:** SNMP Configuration BoF/WG
  - **"Users of the RFC's"**

IPPM WG Charter (summary)

- The IPPM WG will develop a set of standard metrics that can be applied to the quality, performance, and reliability of Internet services. […]

- It is important that the metrics [do] not represent a value judgement (i.e. define "good" and "bad"), but rather provide unbiased quantitative measures of performance. […]

- It will also offer a forum for sharing information about the implementation and application of these metrics, but actual implementations and applications are understood to be beyond the scope of this working group.

IPPM WG Contact Info

- ## Chairs:
  - Will Leland <wel@research.telcordia.com>
  - Matthew Zekauskas <matt@advanced.org>

- ## Mailing List:
  - General Discussion: ippm@advanced.org
  - To Subscribe: ippm-request@advanced.org
  - Archive: http://www.advanced.org/IPPM/archive/

RFC's published so-far

- Framework for IP Performance Metrics (RFC 2330)

- IPPM Metrics for Measuring Connectivity (RFC2678)

- A One-way Delay Metric for IPPM (RFC 2679)

- A One-way Packet Loss Metric for IPPM (RFC 2680)

- A Round-trip Delay Metric for IPPM (RFC 2681)

Current Internet-Drafts:

- **Instantaneous Packet Delay Variation Metric**
  - 99% done, including some practical results
- **One-way Loss Pattern Sample Metrics**
  - 99% done, little practical experience
- **Empirical Bulk Transfer Capacity/"Treno"**
  - Planned for October 1997(!)
  - No real progress for months
- **Network performance measurement for periodic streams**
  - New, version 00 just before Adelaide

TTM Reference Paper?

- A good idea!

- Does not belong in IPPM (or the IETF).

- Where, when, ToC?

Questions, Discussion