

Responsiveness under Working Conditions

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Responsiveness under Working Conditions

draft-ietf-ippm-responsiveness-05

New update submitted 21st October 2024

Tighter definition of JSON configuration information object

Added Overview section outlining goals of the work

Overview Section

Relevance

Good predictor of user experience

Repeatability

Randomness in results diminishes usefulness

Convenience

Deliver results quickly

Interaction with End Systems

Need high quality client and server

Purpose of Test Tool

Evaluate network properties

Use of HTTP

Broadly representative

Resisting Cheating

Optimizing for the test should be a good thing

Questions about Relevance

Document has evolved

Algorithm discards the worst 5% of round-trip measurements, and reports the arithmetic mean of the the best 95%

BITAG “Latency Explained” report [BITAG] recommends reporting 95th, 98th, or 99th percentile

Can test be Relevant, Repeatable and Convenient?

- May need to pick two out of three?
- Relevant and Repeatable, but less convenient (takes longer)?

May need two modes, Quick for end users, Precise for operators?

Call for feedback on Relevance

Want confirmation from engineers who make videoconferencing applications and other delay-sensitive applications

Is the RPM test measuring the delay properties you care about?

- 90th percentile delay? 95th percentile? 99th percentile?

Vendors and operators are likely to tune their products to score well

A good test will motivate improvements in how the Internet works, and make your application work better — but only if the test accurately reflects how your application works