

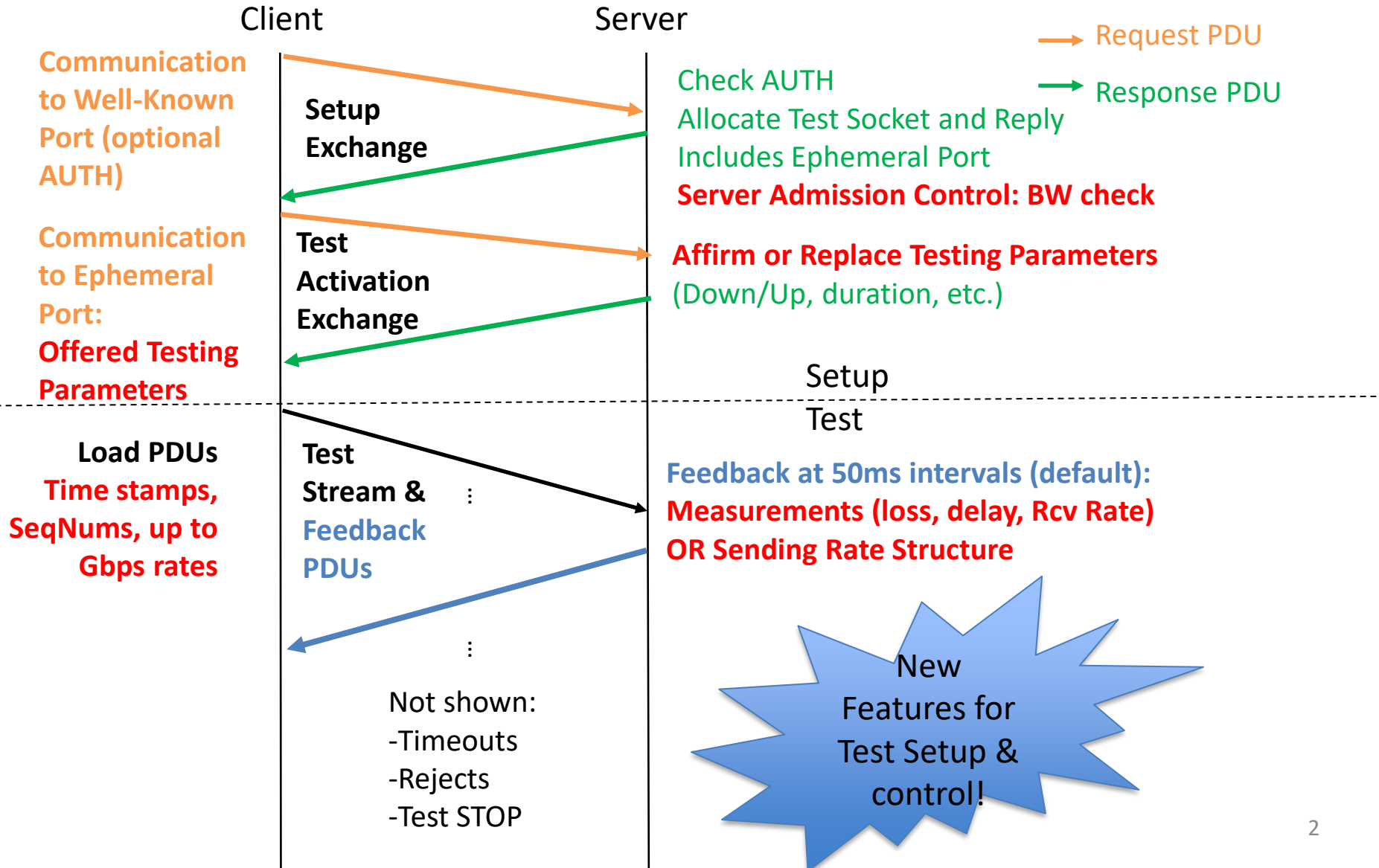
New Features & Open Discussion: “Test Protocol for One-way IP Capacity Measurement”

[draft-ietf-ippm-capacity-metric-protocol-01](#)

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Protocol: Setup and Test Phases

draft-ietf-ippm-capacity-metric-protocol-01



Working Group Adoption (thanks!)

New features & comments resolved:

- Implementation of Randomized payload option. Performance of code suggests very limited compressibility.
- Server can set a BW limit for admission-control; Client would supply a max BW for its specific testing to help the server manage tests within its limit.
- Optional Start rate for load-adjustment algorithm (fixed-rate option remains).
- Backward compatibility: Servers can test with both protocol version 8 and (new) version 9.
- Consistent Terms for Test Activation Request/Response
- Other Clarifications for Test STOP
- There are many more error codes now, communicating a single code at a time keeps the field “byte-sized”, bit map would be bigger.
- Parameters refer to RFC 9097
- Trim-down to FOUR security modes of operation:
 - Un-AUTH, password AUTH(coded)
 - Secure Setup Exchange
 - “Secure All The Things”

Next Steps:

- Authors welcome proposals, revisions to Security modes of operation, etc.
- WG Adoption, we now ask for an early SEC-DIR Review and solve that aspect.

Reminders/Review Areas:

- This protocol could do more than measure Capacity – take a look!
- FOUR security modes of operation proposed now:
 - If want more/others, say so!
- Protocol ver 9 allows for New Load Adjustment Algorithm(s)
 - Watch for updates!