

A One-way Active Measurement Protocol Requirements

`draft-ietf-ippm-owdp-reqs-02.txt`

`draft-ietf-ippm-owdp-04.txt`

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54th IETF, Yokohama, IPPM WG, 2002-07-15

draft-ietf-ippm-owdp-reqs-02.txt

- Small textual changes vs. the -01 version
- Some clarifications of security requirements
- Especially the requirement for 'being hard to detect', which has nothing to do with data integrity; explanation for it now includes the following:

It should not be easy for intermediate parties to identify OWAMP-Test packets (just as it should not be easy for restaurants to identify restaurant critics).

- Changes are very small since last meeting and there is no controversy; let's move forward with the draft!

draft-ietf-ippm-owdp-04.txt changes vs. -03

- Name change in the protocol specification to make it consistent with the requirements document: OWDP → OWAMP.
- We are now in the process of implementing the protocol
- Implementation experience has uncovered a bug (0 instead of 1 in Request-Session explanation) and a number of areas where it is desirable to improve the protocol
- Increased space for Key ID (KID), now called Username
- Specify treatment of user-supplied passphrases representing shared secrets
- Make the purpose of zero padding more explicit (integrity check in encrypted and authenticated mode) and specify that messages where integrity checks fail **MUST** be ignored

draft-ietf-ippm-owdp-04.txt: pending changes

1. Human-readable error messages as well as machine-readable Accept code
2. Non-Poisson test streams (using rotating schedule as before)
3. Making IPVN-S and IPVN-R the same in Request-Session
4. New algorithm for exponentially distributed PRN generator
5. Change of timestamp format to make it uniform

Questions?

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Drafts:

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Send your thoughts to ippm@advanced.org.