

OWAMP and TWAMP Well-Known Port Assignments

draft-morton-ippm-port-twamp-test-00

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Request from BBF

- Controlling TWAMP-Test based measurements using alternative means
 - The TWAMP Light idea suggested this possibility
 - Allocating a port for TWAMP-Test would help
 - I proposed the RE-Allocation Solution in Chicago
- Inability to negotiate use of TWAMP Light and deriving the keys for security modes *requires* a TWAMP-Control Session key.
- Security features are mandatory to implement in IETF protocols.
 - BBF may not have the same requirement

Words and Meaning

(recall RFC 7799)

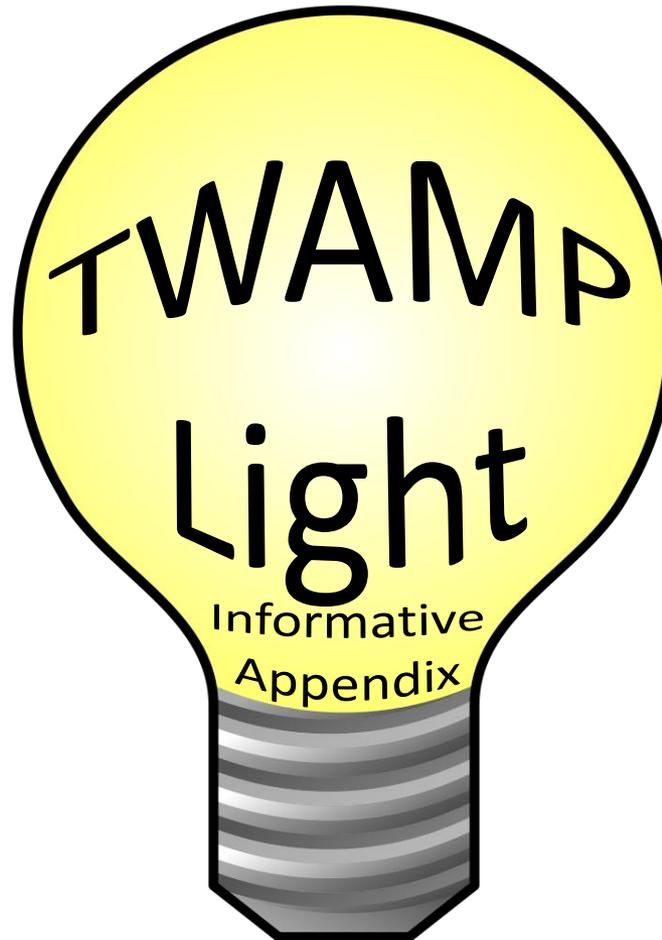
- Words can only have strong meaning within a Context (part of the definition)
- We need terms & definitions in Standards Work:
 - Communicate Effectively
 - Avoid Ambiguity
- English Dictionary definitions also essential

Unambiguous Terms in OWAMP & TWAMP

- "**OWAMP** actually consists of two inter-related protocols: OWAMP-Control and OWAMP-Test."
- OWAMP-Control & OWAMP-Test in Sec 3 & 4
- Similar to OWAMP [RFC4656], **TWAMP** consists of two inter-related protocols: TWAMP-Control and TWAMP-Test."
- TWAMP-Control & TWAMP-Test in Sec 3 & 4

TWAMP Light is only an Idea

Not really possible to claim a TWAMP Light compatible implementation, too many details are left completely unspecified.



A rigorously specified set of protocols that re-use TWAMP-Test protocol *truly needs a different name!* (BBF has their own spec # for this)

Provide a Well-Known Port for TWAMP Test through RE-Allocation

6. IANA Considerations

This memo requests that IANA re-allocate UDP ports 861 and 862 as shown below, leaving the TCP port assignments as-is:

Service	Port	Protocol	Description
owamp-control	861	tcp	OWAMP-Control [RFC4656]
owamp-test	861	udp	OWAMP-Test [RFCXXXX]
twamp-control	862	tcp	Two-way Active Measurement Protocol (TWAMP) Control [RFC5357]
twamp-test	862	udp	Two-way Active Measurement Protocol (TWAMP) Test [RFCXXXX]

where RFCXXXX is this memo when published.

Proposal

- That IPPM WG -> IETF
 - Clarifies our Protocol Names for the Industry
 - Re-Allocates UDP Well-Known Ports for our Standards-Track measurement protocols
 - Consider the “Why Worry?” approach to what the implementations will do with their new *-Test port...

BACKUP