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:

<table>
<thead>
<tr>
<th>Service</th>
<th>Port</th>
<th>Protocol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>owamp-control</td>
<td>861</td>
<td>tcp</td>
<td>OWAMP-Control [RFC4656]</td>
</tr>
<tr>
<td>owamp-test</td>
<td>861</td>
<td>udp</td>
<td>OWAMP-Test [RFCXXXX]</td>
</tr>
<tr>
<td>twamp-control</td>
<td>862</td>
<td>tcp</td>
<td>Two-way Active Measurement Protocol (TWAMP) Control [RFC5357]</td>
</tr>
<tr>
<td>twamp-test</td>
<td>862</td>
<td>udp</td>
<td>Two-way Active Measurement Protocol (TWAMP) Test [RFCXXXX]</td>
</tr>
</tbody>
</table>

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