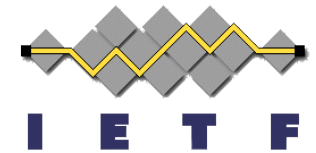


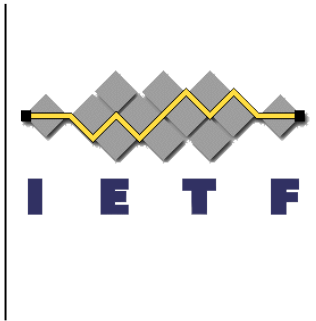
Operational Security Considerations for IPv6 Networks

K. Chittimaneni, E. Vyncke, M. Kaeo

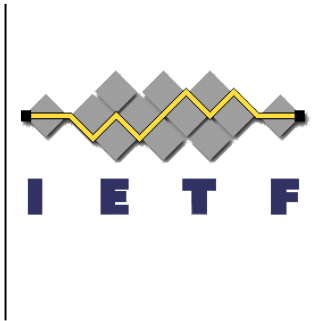


IETF 85 - opsec wg meeting
Nov 9, 2012
Atlanta, USA

Updates



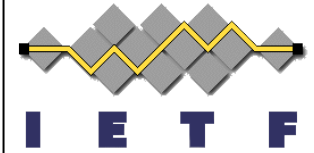
- Document accepted as working group item
 - <http://tools.ietf.org/html/draft-ietf-opsec-v6-00>
- Filled in missing text – Service Provider and 6PE
- Added 3GPP section, thanks to Jouni
- Addressed latest comments on mailing list including DNS64
- Provided cohesive advice in all sections
- Updated references
- Posted yesterday as -01



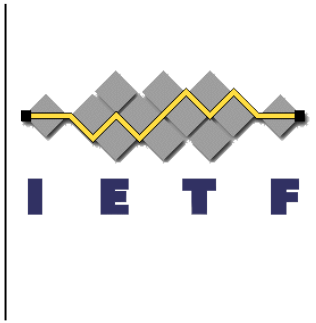
Feedback from RIPE

- No deployment of SeND
- Folks using RTBH / uRPF in IP v4 environments seem to also deploy it for IPv6
- A few operators promised to read I-D and give input on opsec mailing list

Identified Areas Requiring Current Operational Input

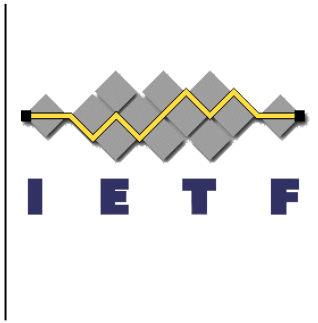


- Utilization of RTBH and uRFP for IPv6
- Most effective logging mechanisms and possible issues that need to be resolved
- Deployed ND/RA rate limiting parameters
- Utilization of SeND / CGA
- Extension of Layer 2 – How many IPv6 addresses per MAC and how many IP addresses per interface (for ETTH)



Next Steps

- Solicit more input from global operational folks
- Continue to work with [v6ops](#) and [homenet](#) WGs to avoid overlaps or conflicts
- Contact us at opsec@ietf.org
- WGLC?



Q&A

THANK YOU!