## v6ops Charter

The global deployment of IPv6 is underway, creating an IPv4/IPv6 Internet consisting of IPv4-only, IPv6-only and IPv4/IPv6 networks and nodes. This deployment must be properly handled to avoid the division of the Internet into separate IPv4 and IPv6 networks while ensuring addressing and connectivity for all IPv4 and IPv6 nodes.

The IPv6 Operations Working Group (v6ops) develops guidelines for the

operation of a shared IPv4/IPv6 Internet and provides operational guidance on how to deploy IPv6 into existing IPv4-only networks, as well as into new network installations.

The main focus of the v6ops WG is to look at the immediate deployment issues; more advanced stages of deployment and transition are a lower priority.

The goals of the v6ops working group are:

I. Solicit input from network operators and users to identify operational issues with the IPv4/IPv6 Internet, and determine solutions or workarounds to those issues. These issues will be documented in Informational or BCP RFCs, or in Internet-Drafts.

This work should primarily be conducted by those areas and WGs which are responsible and best fit to analyze these problems, but v6ops may also cooperate in focusing such work.

2. Publish Informational or BCP RFCs that identify potential security risks in the operation of shared IPv4/IPv6 networks, and document operational practices to eliminate or mitigate those risks.

This work will be done in cooperation with the Security area and other relevant areas or working groups.

3.As a particular instance of (1) and (2), provide feedback to the IPv6 WG regarding portions of the IPv6 specifications that cause, or are likely to cause, operational or security concerns, and work with the IPv6 WG to resolve those concerns. This feedback will be published in Internet-Drafts or RFCs.

4. Publish Informational or BCP RFCs that identify and analyze solutions for deploying IPv6 within common network environments, such as ISP Networks, Enterprise Networks, Unmanaged Networks (Home/Small Office), and Cellular Networks.

These documents should serve as useful guides to network operators and users on possible ways how to deploy IPv6 within their existing IPv4 networks, as well as in new network installations.

These documents should not be normative guides for IPv6 deployment, and the primary intent is not capture the needs for new solutions, but rather describe which approaches work and which do not. IPv6 operational and deployment issues with specific protocols or technologies (such as Applications, Transport Protocols, Routing Protocols, DNS or Sub-IP Protocols) are the primary responsibility of the groups or areas responsible for those protocols or technologies. However, the v6ops WG may provide input to those areas/groups, as needed, and cooperate with those areas/groups in reviewing solutions to IPv6 operational and deployment problems.

Future work items within this scope will be adopted by the WG only if there is a substantial expression of interest from the community and if the work clearly does not fit elsewhere in the IETF.

There must be a continuous expression of interest for the WG to work on a particular work item. If there is no longer sufficient interest in the WG in a work item, the item may be removed from the list of WG items.

Specifying any	protocols	or transition	mechanisms	is out of scope of
the WG.				

Goals and Milestones:

Done	Adopt IPv6 deployment using VLANs to IESG for Info
Done	Adopt ISP IPv6 Deployment Scenarios in Broadband Access Networks as WG item
Mar 05	Adopt document describing how to use IPsec with draft-ietf-v6ops-mech-v2 as WG
	item
Mar 05	Adopt IPv6 Security Overview as WG item
Mar 05	Adopt IPv6 Network Architecture Protection as WG item
Apr 05	Submit document describing issues with NAT-PT to IESG for Info
Apr 05	Submit IPv6 deployment using VLANs to IESG for Info
Apr 05	Ensure draft-ietf-v6ops-v6onbydefault keeps going forward for RFC publication
May 05	Submit document on IPsec w/ draft-ietf-v6ops-mech-v2 to IESG for Info
Jun <sup>°</sup> 05	Submit Enterprise Deployment Analysis to IESG for Info
Jun 05	Submit IPv6 Network Architecture Protection to IESG for Info
Jul 05	Submit IPv6 Security Overview to IESG for Info
Jul 05	Submit ISP IPv6 Deployment Scenarios in Broadband Access Networks to IESG for
-	Info

## Thoughts going forward

- Things easier said than done...
- "Time to market" for work done in v6ops is getting more crucial
  - If work is really deemed necessary and have support, it should move forward
  - If not, it should not take up time in the WG
- v6ops is a very open ended WG by nature
  - But documents of interest should rather be WG documents than individual submissions