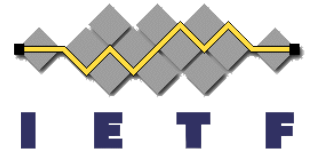
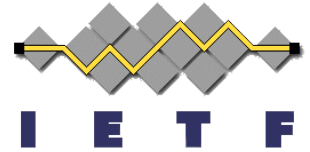


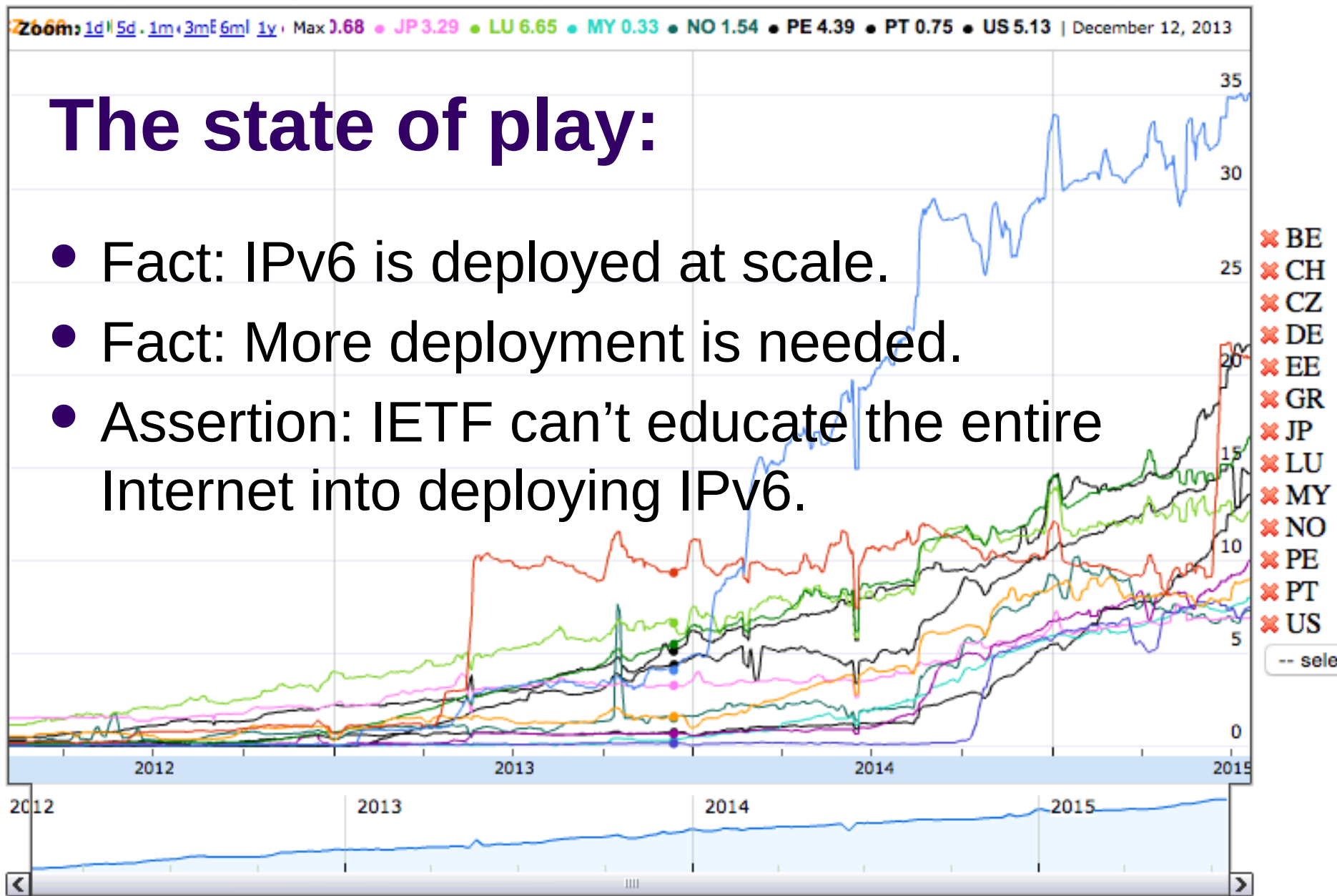
Charter Discussion



Process for charter discussion

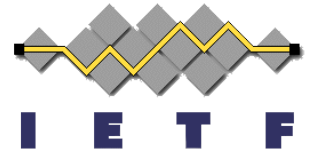


- The chairs would like to lead a community discussion of our current issues and goals
- I will briefly outline the chairs' discussion of the current charter
- I will briefly introduce the charter we suggest
- This will have to be taken to the list, with a detailed charter proposal for discussion



The state of play:

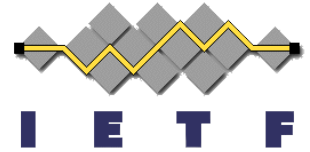
- Fact: IPv6 is deployed at scale.
- Fact: More deployment is needed.
- Assertion: IETF can't educate the entire Internet into deploying IPv6.



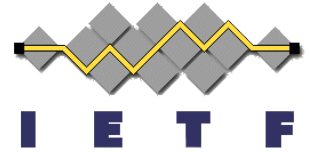
Points to ponder

1. With regard to IPv6 being deployed and replacing IPv4, what problems do we (the IETF) still have to solve?
2. What problems in IPv6 deployment still exist that other groups need to work on?
3. What protocol barriers to disabling IPv4 still exist?

What still needs to be solved?

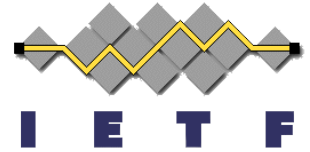


- Are there still protocol issues, or just people need to implement and deploy IPv6?
 - Feature parity?
 - Scaling issues?



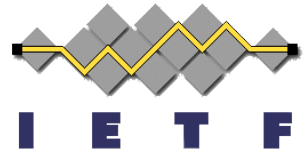
2. What problems in IPv6 deployment still exist?

- Do we need operational/deployment guidance for transitioning to IPv6-only?
 - Different for different networks?
 - Is IETF the right venue?

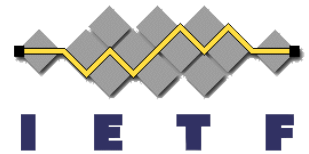


3. What protocol barriers to disabling IPv4 still exist?

- Issues preventing deployment of IPv4aaS (DS-Lite, MAP, 464xlat, SIIT-DC)
- Issues of IPv6 functional parity.
 - Implementation problems vs. protocol gaps
- Mechanisms for removing IPv4

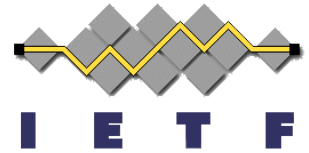


Existing V6ops Charter



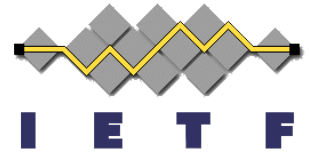
Existing charter: first job

- 1. 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.



Existing charter: second job

- 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.
 - “Solicit input from network operators and users to identify operational issues”
 - “This work should primarily be conducted by those areas and WGs which are responsible”

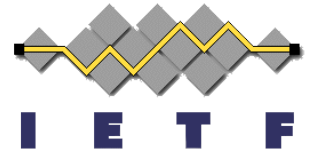


Existing charter: third job

- 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.

“Solicit input from network operators and users to identify operational issues”

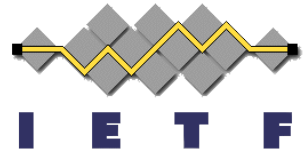
“This work should primarily be conducted by those areas and WGs which are responsible”



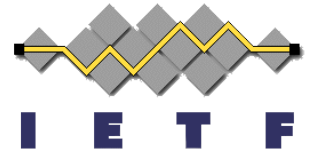
Existing charter: fourth job

- 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.

Are we done with this?



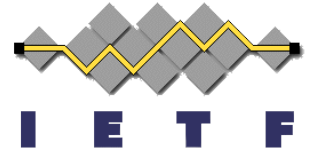
Proposed V6ops Charter



Keep project #1

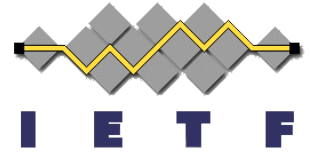
- 1. Solicit input from network operators and users to identify operational issues with the IPv4/IPv6 Internet, and determine solutions or workarounds to those issues. These issues will be documented in Informational or BCP RFCs, or in Internet-Drafts.
 - *Protocol work should primarily be conducted by those areas and Working Groups which are responsible and best fit to analyze these problems, but v6ops may also cooperate in focusing such work.*

Describe operational solutions



- 2. Operational solutions for identified issues should be developed in v6ops and documented in informational or BCP drafts.

Describe a path to IPv6-only operation



- 3. Describe an operational roadmap to IPv6-only network deployment, with or without IPv4 delivered as an overlay or translation service.