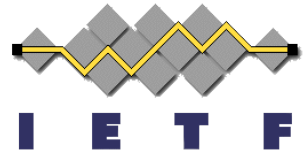# OSPF WG Status
IETF 81, Quebec City
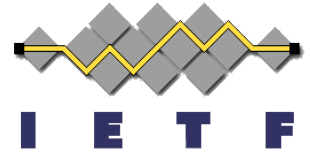
Abhay Roy, Cisco
Acee Lindem, Ericsson
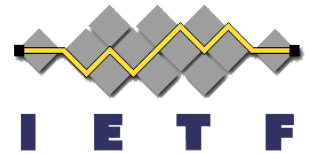
IETF

RFCs Since Prague

In IETF Last Call

- OSPFv3 Authentication Trailer
 - draft-ietf-ospf-auth-trailer-ospfv3

Active Drafts

- ## OSPFv2 Multi-Instance support
  - draft-ietf-ospf-multi-instance
  - Extends multi-instance support on single interface support to OSPFv2 (always in OSPFv3)

- ## OSPFv2/v3 Transport Instance
  - draft-ietf-ospf-transport-instance
  - Defines Transport Instance to advertise "non-routing" information
    - Separates essential routing information from non-routing information
    - Support multi-hop neighbors (Sparse Topologies)

New WG Documents (1/2)

- ## RFC 3137Bis
  - draft-retana-ospf-rfc3137bis
  - Adds OSPFv3 stub router support

- ## Routing for IPv4-embedded IPv6 packets
  - draft-ietf-ospf-ipv4-embedded-ipv6-routing
  - Informational draft to document use of multiple address families in support of IPv4<->IPv6 translation.

- ## Hiding Transit-only Networks in OSPF
  - draft-ietf-ospf-prefix-hiding
  - hide transit-only networks for faster network convergence and minimize remote attack.

New WG Documents (2/2)
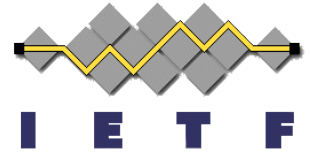
- Security Extension for OSPFv2 when using Manual Key Management
    - draft-ietf-ospf-security-extension-manual-keying
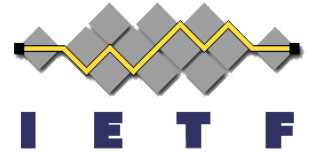   - Solution draft for **draft-ietf-karp-ospf-analysis**
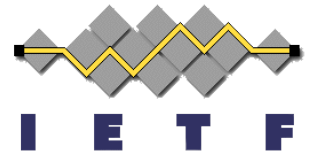
Drafts in Other WGs (1/2)

- L3VPN
  - draft-ietf-l3vpn-ospfv3-pece-08
    - OSPFv3 equivalent of RFC 4577
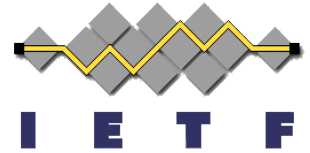   - WG Last Call completed

- CCAMP
  - draft-malis-ccamp-rfc5787bis-03.txt
    - Cleanup of RFC 5787 (OSPFv2 extensions for ASON routing – Experimental) to bring to standards track.
    - Now WG document with early IANA allocation requested.

# Drafts in Other WGs (2/2)

- CCAMP – Multiple OTN and WSON drafts

Potential WG Documents (1/2)

- Hybrid Broadcast/P2MP
  - draft-nsheth-ospf-hybrid-bcast-and-p2mp
  - First presented in Beijing
  - Preferred solution for Fixed Networks
- Use of OSPF-MDR in Single-Hop Broadcast Networks
  - draft-ogier-ospf-manet-single-hop
  - MDR recommendations for Single-Hop case
- Use of the OSPF-MANET Interface in Single-Hop Broadcast Networks
  - draft-retana-ospf-manet-single-hop
  - OR recommendation for Single-Hop case

Potential WG Documents (2/2)
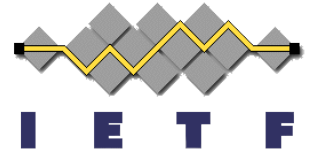
- OSPF Traffic Engineering (TE) Express Path
  - draft-giacalone-ospf-te-express-path
  - Distribute network performance metrics using TE LSAs (Link Attributes)