Description of Working Group:
The MBONE Deployment Working Group is a forum for coordinating the deployment, engineering, and operation of multicast routing protocols and procedures in IP based networks including the global Internet. This activity will include, but not be limited to:

- Documenting deployment of multicast routing in IP based networks.   Develop overview documents and best current practice documents on multicast technologies.

- Solicit and receive regular reports on the current state of the deployment of multicast technology. Create "practice and experience" documents that capture the experience of those who have deployed and are deploying various multicast technologies.

- Based on reports and other information, provide feedback to other relevant working groups.

- Develop mechanisms and procedures for sharing operational information to aid in operation of the multicast backbones and interconnects.

- Update RFC 3171/BCP 51 based on experience.

- Develop a roadmap informational RFC that describes the current IPv4 and IPv6 IETF multicast architectures, including references to the relevant IETF documents and guidance for implementers and network operators.

 - Regularize IPv4 Multicast Address Practice
    -    IANA or RIR address assignments
    -    IPv4 Prefix Assignments

- Multicast management
    - have a standard RFC for mtrace for IPv4 and IPv6
    - update the very old troubleshooting guidelines for ASM and SSM multicast services
    - SSMPING
    - Accounting, Authentication and Authorization (AAA)
- IPTV/CDS issues
    - Document necessary management capabilities (related to multicast management)
    - Document IPTV standards and operational scenario
    - Document CDS standards and operational scenario
    - Publish Operator Survey
- Best Current Practices for Multicast VPNs
- IPv4 / IPv6 multicast interaction
- Automatic IP Multicast Without Explicit Tunnels (AMT)
- SSM issues

- Multicast Number Registry issues

   - Port Registry

   - Address Registry

- Lightweight IGMPv3/MLDv2 issues

Goals and Milestones:

January 2008   Publish IP v4 Multicast Best Current Practice

January 2008   Submit AMT Draft for Proposed Standard

January 2008   Submit Moving MCAST.NET into the ARPA infrastructure top level domain as Informational

March 2008   Update I-D describing IPv4 Multicast Unusable Group And Source Addresses

March 2008   Create IP v6 Multicast Best Current Practice Draft

March 2008   Submit IANA Guidelines for IPv4 Multicast Address Assignments (RFC 3171/BCP 51)

August 2008   Submit IP v4 Multicast Best Current Practice for BCP

August 2008   Submit IP v6 Multicast Best Current Practice Draft for BCP

August 2008   Submit IPv4 multicast address allocation procedures IESG for BCP

August 2008   Create IPv4/v6 co-existence strategies as Draft

August 2008   Create multicast roadmap/reference architecture document

November 2008 Submit multicast roadmap/reference architecture document to IESG for Informational

November 2008   Create I-D on IPv4/IPv6 multicast co-existence issues and strategies for IPv4 multicast and IPv6 multicast

December 2008   WGLC Unicast-Prefix-based IPv4 Multicast Addresses Draft

March 2009 Submit I-D on IPv4/IPv6 multicast co-existence issues and strategies for IPv4 multicast and IPv6 multicast

November 2009 Submit IPv4/v6 co-existence strategies Draft to IESG for Informational