

PPVPN charter

- **Text not yet finalized (under rewrite with IESG)**
 - the charter on the IETF agenda Web page is our proposal sent to IESG in September (and it is there just for informational purpose)
- **Two significant inputs in addition to previous NBVPN statements have been recently proposed to us from IESG :**
 - **Service scope : Network Based -> Provider Provisioned** to include the possibility to extend Provider management to customer edges
 - **The Service Provider may provide a L3 or L2 service**
 - Layer 2 MPLS-based VPN proposal from Kompella and al.
 - Other Layer 2 VPNs ?
- **What the IESG wants to highlight :**
 - **Service functional components do not depend on the transport technology used by the underlying infrastructure**

PPVPN WG objectives

- **Define limits of our scope**
 - focus on SPs' main real needs
 - service perspective (functional architecture, abstraction from the underlying network infrastructure)
 - avoid overlapping with other efforts or work duplication
 - avoid a too large spectrum of solutions

PPVPN charter's fundamental statements (they haven't changed)

- **Defining and specifying sets of mechanisms to support PPVPNs**
- **Effort will include development of :**
 - framework doc, service requirement doc, several individual protocol “PROFILE” documents (grouping existing technologies for a specific type of service offering)
- **Framework doc**
 - common components and functions, common terminology and taxonomy
 - specific non goal : comparison among individual profiles
- **Service requirement doc**
 - requirements from SP perspective for each individual PPVPN profile
 - particular focus on scalability and manageability
 - ex. SP's projections over the next several years in number, size, rate of change
 - requirements conceived as a “CHECKLIST” :
 - not defined in order that all must be satisfied by all profiles or may be used in all service deployment scenarios
 - main goal is to provide a consistent way to evaluate and document how each profile satisfies the requirements

PPVPN charter' s fundamental statements - cont.

- **Small number of PPVPN profiles**
 - each profile has particular characteristics and applicability tradeoffs
 - **a goal is to foster interoperability among implementations of a specific profile**
 - **a goal is to document and identify gaps and shortcomings in individual profiles with regards to requirements**
 - a non goal is to develop new protocols or extensions (if needed, the appropriate WG will do that or the PPVPN rechartering will be required)
 - Each Profile document will include
 - evaluation of how well it meets the defined requirements
 - scalability, manageability and QoS sections
 - security aspect analysis and appropriate mandatory-to-implement technologies and management mechanisms to ensure adequate security
 - Each profile will have an applicability statement (deployment environments for that profile)

Milestones

- We think this work should be accomplished in a reasonable time frame to be helpful for current SP service needs (our proposal in Pittsburgh covered around 18 months)
- Later we'll present our objectives for March 01
- Your feedback on that is very important

Proposed profiles

- BGP/MPLS - based VPNs (2547)
- Virtual router - based VPNs
- Layer 2 VPNs
- others ?

Today's agenda and the new stuff

- Work to date on the framework (see next presentations from Ross and Muneyoshi) based on the previous Network Based service focus and understanding
- Agenda items on IPSEC and generic L2 VPNs just added
 - we thank Bryan and Kireeti who accepted - just few days ago - respectively to introduce IPSEC VPNs and to expand to more generic L2 VPNs
- We also thank all guys who have made progress on PPVPN(NBVPN) since Pittsburgh even in absence of charter and design teams
 - all the drafts in this agenda clearly point out this work

Milestones from Pittsburgh BOF

- Aug. 00
 - Begin discussion of framework and service requirements docs
 - Identify a limited set of profiles
 - Build design teams
- Dec. 00
 - Begin discussion (based on submitted IDs) on profiles against the different service requirements
 - Discussion includes associated protocol definitions, QoS provisioning, management, scalability and security
- Mar. 01
 - Begin discussion of applicability statements
- Jun. 01
 - Submit framework and service requirement documents to IESG (Info RFCs)

Milestones from Pittsburgh – cont.

- Sept. 01
 - Final discussion on profiles
- Dec. 01
 - Submit various IDs per each profile (except for MIBs) to IESG (Proposed Standards)
 - Submit the applicability statements to IESG (Info RFCs)
- Apr. 02
 - Submit relevant MIBs to IESG (Proposed Standards)
 - Charter update or WG disband