

PPVPN WG

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- Mailing List
 - Discussion: ppvpn@ppvpn.francetelecom.com
 - (Un)Subscribe: sympa@ppvpn.francetelecom.com
 - (UN)SUBSCRIBE ppvpn in the body
- Mail Archive and informal PPVPN server
 - <http://ppvpn.francetelecom.com>
 - WG meeting minutes and presentations, ITU docs
 - **MPS agenda with clickable IDs**

Agenda

- 10 PPVPN work status - Marco
- 20 Applicability Statements DT report - Junichi, Ananth, Jeremy

L3 space

- 8 Dynamic routing for CE-based IPsec VPNs - Paul
- 5 CE auto-configuration for CE-based VPNs - Cheng-Yin
- 5 CE-to-CE authentication for RFC2547 PPVPNs - Ron

L2 space

- 5 VPLS requirements - Waldemar
- 20 L2 VPN solutions DT report Loa
- 10 VPLS architectures - Ali
- 10 VMI framework - Tissa
- 10 L2 space discussion (requirements, framework, solutions) - all

Agenda (cont.)

L2 space (cont.)

- 10 ARP Mediation for IP interworking of Layer 2 VPN - Himanshu
- 7 PE-L2PE/MTU signaling for Decoupled, Hierarchical VPLS-Himanshu
- 5 QoS support in VPLS over MPLS - Fabio

- 5 Overview of multicast in VPNs - Jeremy
- 5 LSP setup for Inter-AS VPNs - Michael

- 5 Recap of action points and conclusion - chairs

Administrativa

- Minute taker : Ananth Nagarajan
- Blue sheets : please circulate
- Speakers please :
 - just overview of IDs, focus on issues and future steps
 - later, send to chairs your presentation (to be posted on the PPVPN informal server)

Current milestones

DONE :

- Formulate a plan, approach SPs for input on scaling, other reqts
- Begin discussion of framework, requirements
- First set of candidate approaches, begin discussion against requirements
- Begin discussion of Applicability Statements (AS)

NOT DONE :

- **March 02 : Submit L3 framework, reqts -> Info RFCs**
- **May 02 : Submit L2 reqts to IESG -> Info RFC**
- **May 02 : Begin submit L3 approaches & related AS**
- **Aug 02 : Submit L2 framework -> info RFC**
- **Aug 02 : Begin submit L2 approaches & related AS**
- Dec 02: Charter update or WG disband

Framework and requirements have been splitted into layer 3 and layer 2 deliverables

MILESTONES TO BE DELAYED

WG documents progress

L3 Requirements / L3 Framework

- [draft-ietf-ppvpn-requirements-04.txt](#) **WG Last Call completed 1 week ago**
- [draft-ietf-ppvpn-framework-04.txt](#) **WG Last Call completed 1 week ago**
 - No comments on the list during the WG Last Call
 - This week : one request for some time for comments on Framework
 - Editors need some time for review conforming to new RFC Editorial Policy
 - **New target : updates in 3-4 weeks, then 1 week WG Last Call**

New WG documents after Salt Lake City

- [draft-augustyn-vpls-requirements-02.txt](#) (to be reissued with PPVPN name)
- [draft-ietf-ppvpn-tc-mib-00.txt](#)

Current WG documents with status in evolution

- [draft-ietf-ppvpn-l2vpn-00.txt](#) -> **will be integrated in L2 framework**
- [draft-ietf-ppvpn-ce-based-01.txt](#) -> **evolution to a solution document**

Design teams

Some general rules for the teams

- commitment to active participation, no more value than other contributions, periodic information of team progress

PPVPN Service requirements

- L3 work almost completed -> **Editors in charge of this last phase (closing)**
- possible support (individual basis) to L2 solutions DT on L2 requirements

PPVPN Framework

- L3 work almost completed -> **Editors in charge of this last phase (closing)**
- possible support (individual basis) to L2 solutions DT on L2 framework

Requirements for VPLS

- WG document -> **team closing (almost all members moved to L2 solutions DT)**

Requirements for PPVPN discovery schemes

- **already closed unofficially** : to be closed officially

Design teams - cont.

L2 VPN solutions : continue its work (see report later)

OBJECTIVES (ANNOUNCED IN SLC)

- structure the space and classify solution proposals
- identify commonalities and differences, discuss convergences and issues
- proposal of work items to be worked
 - L2 framework, Metrics draft -> **00-IDs (fmwk didn 't meet deadline)**
 - L2 requirements : **not yet**
 - PPVPN terminology : **00 ID**
- first proposal of L2 VPN candidate solutions : **not yet**

Applicability Statements (L3) : continue its work (see report later)

- Guidelines **in progress**
- **3 AS-specific 00-IDs (CE-based IPsec, 2547bis, VR)**
- **CE-based IPsec solution(s) DT : soon officialised**
 - already existing informal team as input to this team

Some specific items

- **L3 solutions**

- **in agreement with ADs, one document per approach listing :**
 - **all requirements for extensions or new protocols**
 - **justification , and, where present, solution proposal**
ADs will assign to appropriate WGs (if any) for review and/or spec
- **00 draft for CE-based IPSec VPN solution for next meeting**
 - **but schedule for standard track is still unclear**

- **L3 AS**

- **to be advanced relatively quickly : please comment on the list**
- **scalability and security sections need particular attention**

- **draft-luciani-ppvvpn-vpn-discovery-02 (DNS-based): WG ID ?**
 - **BGP and DNS discovery IDs following a similar path (TBD)**
- **draft-ouldbrahim-ppvvpn-gid-00 : please comment on the list**

L2 solutions space

- **a lot of individual drafts**
 - stable terminology is required
- **a classification of solutions is needed**
 - DT proposal is expected considering all IDs in this space
- **certain level of solution convergence and integration is expected**
 - DT target : « limited » number of candidate solutions
 - the whole group will discuss and take the final decision

The feedback of the group at this point is important : a slot later

In a further phase

Later on, we may expect useful developments in relevant areas of :

- PPVPN Management
 - working process, precise objectives (framework, ...) : still TBD
- PPVPN QoS (framework)
 - working process, precise objectives (framework, ...) : still TBD

Recent progress in ITU-T SG13 on VPNs

- Y.1311 Recommendation approval - January 02
 - Generic Architecture and Service Requirements
 - see the ITU URL at **<http://ppvpn.francetelecom.com>**
- New work item on L1 VPNs/OVPNs - January 02
 - Q11/13 and Q12&Q14/15 joint meeting on May 6th - Geneva
 - Some identified work items
 - Reference model , Service definition , Service requirements
 - Framework architecture , Technical approaches
 - QoS support , Interworking issues
 - Service scenarios

Estimation of ID progress

- **L3 requirements and Framework ID :**
 - **Complete WG Last Call** 4/02
- **Layer 3 VPN solutions :**
 - **WG Last Call for 2547 and VR** >8/02
 - **WG doc for CE-based IPSec** 7/02
- **AS guidelines :**
 - **WG doc** 6/02
 - **WG Last Call** 7/02
- **AS for Layer 3 VPNs :**
 - **WG doc** 4/02
 - **WG Last Call** >8/02

Estimation of ID progress - cont.

- **L2 Requirements :**
 - **WG Last Call** **7/02**
- **L2 Framework :**
 - **WG doc** **6/02**
 - **WG Last Call** **8/02**
- **L2 solutions :**
 - **WG doc** **8/02**
 - **WG Last Call** **>10/02**
- **AS for Layer 2 VPNs : in parallel with L2 solutions**

Slide not presented at the meeting