

PWE3 WG Document Status IETF-61

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Dependencies

- Draft text may change if dependency text changes
- Drafts cannot become an RFC until their dependencies are RFCs
- Carried out a dependency analysis of drafts and propose to use this to drive the order of IESG submission

Dependencies - 2

- We have concerns that not all normative references ARE normative references
- Authors need to validate normative references to ensure
 - Normative refs are true normative refs
 - All normative refs are called up

Requirements and Arch

Requirements for Pseudo-Wire Emulation Edge-to-Edge
(PWE3)

<http://www.ietf.org/rfc/rfc3916.txt>

PWE3 Architecture

<draft-ietf-pwe3-arch-07.txt>

Will send edits to RFC-ed this week

Depends on

<draft-ietf-pwe3-fragmentation-06.txt>

<draft-ietf-l2tpext-l2tp-base-14.txt>

Fragmentation

PWE3 Fragmentation and Reassembly

<draft-ietf-pwe3-fragmentation-06.txt>

Needs an update to call up the CW draft then drop the encap drafts as normative. Can then LC and send to IESG

Depends on

<draft-ietf-pwe3-arch-07.txt>

<draft-ietf-l2tpext-l2tp-base-14.txt>

<draft-ietf-pwe3-atm-encap-06.txt>

<draft-ietf-pwe3-ethernet-encap-07.txt>

<draft-ietf-pwe3-frame-relay-02.txt>

<draft-ietf-pwe3-satop-01.txt>

<draft-ietf-pwe3-control-protocol-08.txt>

Control Word

PWE3 Control Word for use over an MPLS PSN
<draft-ietf-pwe3-cw-00.txt>

In many cases this draft should be called
up instead of arch and encap drafts as
informative ref

Sent LC 1-Oct-2004

Will need another pass

IANA

IANA Allocations for pseudo Wire Edge to Edge
Emulation (PWE3)

<draft-ietf-pwe3-iana-allocation-07.txt>

In last call

Reason for advancing:

- 1) Will set up registries and remove IANA action as a gate for other drafts
- 2) Satisfy code-point requests

Control

Pseudowire Setup and Maintenance using LDP

<draft-ietf-pwe3-control-protocol-12.txt>

Has passed LC but keeps getting a stream of minor change requests.

Major gate for the WG, so we need to pass to IESG and reject further changes unless they are show-stoppers.

Depends on

<draft-ietf-pwe3-sonet-09.txt>

<draft-ietf-pwe3-satop-01.txt>

<draft-ietf-pwe3-frame-relay-02.txt>

<draft-ietf-pwe3-atm-encap-05.txt>

<draft-ietf-pwe3-hdlc-ppp-encap-03.txt>

<draft-ietf-pwe3-ethernet-encap-06.txt>

<draft-ietf-pwe3-iana-allocation-07.txt>

ATM and Ethernet Encap

Encapsulation Methods for Transport of ATM Over MPLS Networks

<draft-ietf-pwe3-atm-encap-07.txt>

Sent to Thomas, first round of comments incorporated

Chairs need to send back to Thomas

Depends on

<draft-ietf-pwe3-control-protocol-10.txt>

Encapsulation Methods for Transport of Ethernet Frames Over IP/MPLS Networks

<draft-ietf-pwe3-ethernet-encap-08.txt>

Sent to Thomas, first round of comments incorporated

Chairs need to send back to Thomas

depends on <draft-ietf-pwe3-control-protocol-09.txt>

<draft-ietf-pwe3-arch-07.txt>

TDM Req and SONET

Requirements for Edge-to-Edge Emulation of TDM Circuits
over Packet Switching Networks (PSN)

<draft-ietf-pwe3-tdm-requirements-05.txt>

Sent to Thomas. No feedback yet.

Depends on

<draft-ietf-pwe3-arch-07.txt>

SONET/SDH Circuit Emulation over Packet

<draft-ietf-pwe3-sonet-09.txt>

Completed LC needs to go to IESG

Depends on <draft-ietf-pwe3-arch-07.txt>

<draft-ietf-pwe3-control-protocol-12.txt>

SATOP and CESoPSN

Structure-Agnostic TDM over Packet (SAToP)

<draft-ietf-pwe3-satop-01.txt>

Sent to Thomas. No feedback yet.

Need to resolve the UDP issue before we push it

Structure-aware TDM Circuit Emulation Service over
Packet Switched Network (CESoPSN)

<draft-ietf-pwe3-cesopsn-01.txt>

Passed LC without comment but need to resolve the
UDP issue before we pass to IESG

Normative and informative refs issue

Depends on

<draft-ietf-pwe3-iana-allocation-07.txt>

HDLC encap

Encapsulation Methods for Transport of PPP/HDLC Over IP
and MPLS Networks

<draft-ietf-pwe3-hdlc-ppp-encap-mpls-03.txt>

Completed LC

Needs an update to sort references into
norm/nonnorm

Depends on

<draft-ietf-pwe3-control-protocol-06.txt>

<draft-ietf-pwe3-atm-encap-02.txt>

<draft-ietf-pwe3-ethernet-encap-06.txt>

<draft-ietf-pwe3-frame-relay-01.txt>

<draft-ietf-l2tpext-l2tp-base-12.txt>

<draft-ietf-pwe3-arch-07.txt>

<draft-ietf-pwe3-fragmentation-05.txt>

but most of these are not true dependencies.

Frame Relay

Frame Relay over Pseudo-Wires

<draft-ietf-pwe3-frame-relay-03.txt>

The style of this draft is out of step with the rest of the encap drafts. Needs some TLC from the editor.

VCCV

Pseudo Wire Virtual Circuit Connectivity Verification
(VCCV)

<draft-ietf-pwe3-vccv-03.txt>

Went to LC

Need to resolve Dave Alan's comment and update to conform to <draft-ietf-pwe3-cw-00.txt>

Will LC again when next version posted.

Depends on

<draft-katz-ward-bfd-01.txt>

<draft-ietf-pwe3-iana-allocation-04.txt>

<draft-ietf-mpls-lsp-ping-05.txt>

<draft-ietf-pwe3-control-protocol-07.txt>

<draft-ietf-pwe3-ethernet-encap-06.txt>

<draft-ietf-l2tpext-l2tp-base-12.txt>

Note that external dependencies are not yet in RFC-editor queue.

MIBS-1

Definitions for Textual Conventions and OBJECT-IDENTITIES for Pseudo-Wires Management

<draft-ietf-pwe3-pw-tc-mib-05.txt>

Depends on [PARCH] [PWE3IANA]

Pseudo Wire (PW) Management Information Base

<draft-ietf-pwe3-pw-mib-05.txt>

Depends on [PARCH] [L2TPv3] [PWCNTRL] [PWFrag]
[PWFCS] [PWTC]

Pseudo Wire (PW) over MPLS PSN Management Information Base

<draft-ietf-pwe3-pw-mpls-mib-06.txt>

Depends on [PARCH] [PWTC] [PW-MIB]
[LSRMIB] (external) [TEMIB] (external)

MIBS-2

Ethernet Pseudo Wire (PW) Management Information Base
<draft-ietf-pwe3-enet-mib-05.txt>

Depends on [ENETPW] [PWARCH] [PWMIB]

SONET/SDH Circuit Emulation Service Over Packet
Management Information Base Using SMIV2
<draft-ietf-pwe3-cep-mib-05.txt>

Depends on [CEP] [PWMIB] [PWTC]

Managed Objects for TDM over Packet Switched Network
(PSN)

<draft-ietf-pwe3-tdm-mib-01.txt>

Depends on [PWTDREQ] [PWARCH] [SATOP] [TDMOIP]
[CESOPSN] [PWMIB] [PWTC]

<draft-ietf-atommib-rfc2495bis-06.txt>,
<draft-ietf-atommib-rfc2496bis-05.txt>.

FCS Retention

PWE3 Frame Check Sequence Retention

<draft-ietf-pwe3-fcs-retention-02.txt>

Depends on

<draft-ietf-pwe3-ethernet-encap-07.txt>

<draft-ietf-pwe3-frame-relay-02.txt>

<draft-ietf-pwe3-hdlc-ppp-encap-mpls-03.txt>

<draft-ietf-pwe3-control-protocol-08.txt>

<draft-ietf-pwe3-iana-allocation-05.txt>

<draft-ietf-l2tpext-l2tp-base-14.txt>

ATM Transparent Cell

PWE3 ATM Transparent Cell Transport Service

<draft-ietf-pwe3-cell-transport-01.txt>

Depends on

<draft-ietf-pwe3-atm-encap-06.txt>

<draft-ietf-pwe3-control-protocol-08.txt>

TDMoIP

TDM over IP

<draft-ietf-pwe3-tdmoip-02.txt>

Need to resolve UDP issue

Ready for LC?

Depends on

<draft-ietf-l2tpext-l2tp-base-10.txt>

<draft-ietf-pwe3-satop-00.txt>

<draft-ietf-pwe3-vccv-03.txt>

OAM Message Mapping

Pseudo Wire (PW) OAM Message Mapping

<draft-ietf-pwe3-oam-msg-map-01.txt>

References need to be categorized

Depends on

<draft-katz-ward-bfd-02.txt>

<draft-ietf-pwe3-sonet-09.txt>

<draft-rosen-pwe3-congestion-02.txt>

<draft-ietf-pwe3-control-protocol-11.txt>

<draft-ietf-l2tpext-l2tp-base-14.txt>

<draft-ietf-mpls-lsp-ping-06.txt>

<draft-ietf-mpls-in-ip-or-gre-08.txt>

<draft-ietf-mpls-oam-requirements-04.txt>

<draft-ietf-pwe3-arch-07.txt>

<draft-ietf-pwe3-atm-encap-07.txt>

<draft-ietf-pwe3-vccv-03.txt>

The Proposed Plan - 1

1. Get -iana-allocation- to IESG
2. Finish -pwe3-cw- and send to IESG
3. Edit -control-protocol- to sort out refs and send to IESG
4. Edit -fragmentation- and then send to IESG

At this point we have the platform needed to progress the encap drafts

The Proposed Plan - 2

5) -ethernet-encap-

6) -atm-encap-

Get TDM requirements to IESG, then the TDM encaps

7) -tdm-requirements-

8) -satop-

9) -cesopsn-

Propose Plan - 3

Then finish the following encaps as they become Available

<draft-ietf-pwe3-frame-relay-03.txt>

<draft-ietf-pwe3-hdlc-ppp-encap-mpls-03.txt>

<draft-ietf-pwe3-sonet-09.txt>

When we have made progress on the above we will promote the other work to the priority list