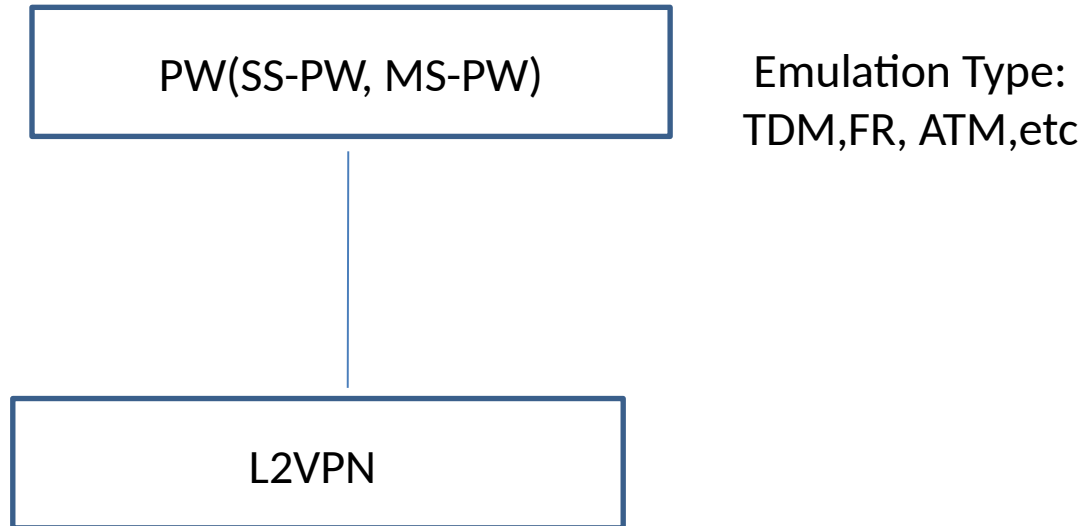# YANG Data Model for PW Protocol

draft-chen-pals-pw-yang-02

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Motivation

- Milestones of PALS:
  - Jun 2017 Submit YANG data model for SS-PWs and MS-PWs to the IESG
- Defines the YANG data model for PW configuration and operation.
- Help for product implementation for PW

PW YANG

Data Configure Tree Structure

```
module: ietf-pw
  +--rw pwe3
    +--rw ss-pw
    |  +--rw ss-pw* [name]
    |     +--rw name                      string
    |     +--rw peer-ip?                  inet:ip-address
    |     +--rw cw-capable?               cw-capable-type
    |     +--rw type?                     pw-type
    |     +--rw tunnel* [tunnel-id]
    |     |  +--rw tunnel-id    string
    |     +--rw autodiscovery-enable?    boolean
    |     +--rw interfaces
    |     |  +--rw interface* [name]
    |     |     +--rw name                       if:interface-ref
    |     |     +--rw mtu?                       uint32
    |     |     +--rw fcs-retention-indicator?   uint16
    |     |     +--rw vccv-parameter
    |     |     |  +--rw cc?    cc-type
    |     |     |  +--rw cv?    cv-type
    |     |     +--rw requested-vlan-id?         uint32
    |     |     +--rw frag-indicator?            uint32
    |     |     +--rw interface-description?     string
    |     |     +--rw (pw-emu-type)?
    |     |        +--:(tdm)
    |     |        ... ...
    |     |        +--:(fr)
    |     |        |  +--rw fr-dlci-len?            uint16
    |     |        +--:(atm)
    |     |           +--rw max-atm-cells?          uint16

    |        +--rw (pw-type)?
    |           +--:(ldp-pw)
    |           |  +--rw (fec-type)?
    |           |     +--:(generalized-pwid-fec-type)
    |           |     |  +--rw agi?                string
    |           |     |  +--rw source-AII?         string
    |           |     |  +--rw target-AII?         string
    |           |     +--:(pwid-fec)
    |           |        +--rw pw-id?              uint32
    |           +--:(static-pw)
    |              +--rw static-pw-id?        uint32
    |              +--rw transmit-label?      uint32
    |              +--rw receive-label?       uint32
    +--rw ms-pw
      +--rw ms-pw* [name]
        +--rw name                string
        +--rw pw-segment-a* [name]
        |  +--rw name     string
        +--rw pw-segment-z* [name]
           +--rw name     string
```

Next Step

- Comments welcome
- Welcome to fulfill this work together

Thanks!