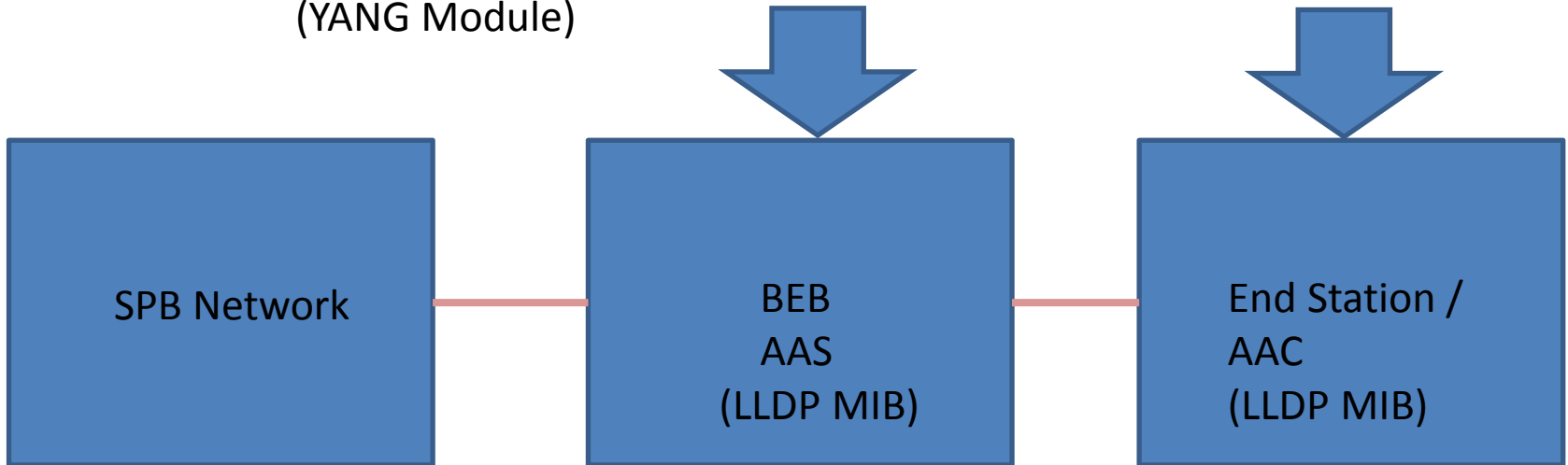# P802.1Qcj
Data Models

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What the PAR Says

- 5.2.b. Scope of the project: This standard specifies the protocols, procedures and management objects for auto-attachment of network devices to Provider Backbone service instances by using Type, Length, Value (TLVs) within the Link Layer Discovery Protocol (LLDP)

- The PAR just mentions 'management objects' leaving the choice of selecting the data modeling language and the data models open

Conceptual SPB Auto Attach Model

Data Models

- There are actually three data models:
  - (1) Protocol (SPB) Extensions DM
    - Was done until recently only in SMIv2 MIB modules
    - Alternate option (and dependency) – extend the YANG DM developed in 802.1Qcp
  - (2) LLDP extension (new TLVs support)
    - Was done only in SMIv2 MIB modules (LLDP MIB)
  - (3) Service Mapping (VLAN/ISID) Tables
    - New
    - YANG seems to be the obvious solution
      - Not a 'usual' management interface - connects to policy/SDN servers

Open

- Discussions in Dallas
  - The feeling in the room was that it's too early for YANG policy extensions while .1Qcp is in early phases
- Options
  - Develop (1) and (2) as MIB modules, any YANG development as Informational RFC / GitHub, ad later as amendment
  - YANG development for (1) and maybe (3) as part of the current project – with corresponding delay