A Yang Data Model for L1 Connectivity Service Model (L1CSM)

draft-ietf-ccamp-l1csm-yang-06
Changes Since IETF 100

- WG adoption
- Presented in MEF Q2 Meeting, April 26, 2018.
- Separated out service types module from the main module
  - ietf-l1cms
  - ietf-l1-mef-service-types
- Refined the YANG module based on comments from MEF and Tom Petch.
  - Indentations, separation of service types, references, time-interval (int64 -> int32), etc.
module: ietf-l1csm
  +--rw l1cs
    +--rw access
      |  +--rw uni-list* [UNI-ID]  
      |    +--rw UNI-ID string
      |    +--rw protocol? identityref
      |    +--rw coding? identityref
      |    +--rw optical_interface? identityref
    +--rw service
      +--rw service-list* [subscriber-l1vc-id]
      +--rw subscriber-l1vc-id string
      +--rw service-config
        +--rw subscriber-l1vc-id? string
        +--rw subscriber-l1vc-ep-id-1? string
        +--rw subscriber-l1vc-ep-id-2? string
        +--rw subscriber-l1vc-ep-UNI-1? /l1cs/access/uni-list/UNI-ID
        +--rw subscriber-l1vc-ep-UNI-2? /l1cs/access/uni-list/UNI-ID
        +--rw time-start? yang:date-and-time
        +--rw time-interval? Int32
        +--rw performance-metric? Identityref
Pending Issues

- The naming: readability of l1
  - ietf-l1cms
  - ietf-l1-mef-service-types
- Default value for PM period
  - Would ‘one month’ be good?
  - Do we need to put Min and Max value?
- JSON encoding example requested.
JSON Example (to be added)

```json
{
  "l1cs": {
    "access": {
      "uni-list": [
        {
          "UNI-ID": "1",
          "protocol": "",
          "coding": "",
          "optical_interface": ""
        },
        {
          "UNI-ID": 2,
          "protocol": "",
          "coding": "",
          "optical_interface": ""
        }
      ],
    },
    "service": {
      "service-list": [
        {
          "subscriber-l1vc-id": "1",
          "service-config":{
            "subscriber-l1vc-id": "",
            "subscriber-l1vc-ep-id-1": "",
            "subscriber-l1vc-ep-id-2": "",
            "subscriber-l1vc-ep-UNI-1": "",
            "subscriber-l1vc-ep-UNI-2": "",
            "time-start": "",
            "time-interval": "",
            "performance-metric": ""
          }
        }
      ]
    }
  }
}
```
Summary & Next Steps

- Comments and suggestions are welcome!
- Continue to refine and make it ready for WG LC.
Thank You!