VOLTHA 2.0 – target Scope

Must have for MVP

- Containerized Adapters (Ciena)

- Restructure of VOLTHA Core (including Affinity routing and HA enhancements) (Ciena)

- Technology Profiles (Radisys, Ciena, ONF, Netsia)
  - Including removal of xPON
  - Includes Traffic Management/QoS (upstream & downstream) – dependency on Broadcom, etc

- OpenOMCI Stack (continued from v1.3) (Adtran)
  - Requires prioritization

- Open OLT Adapter (ONF)

- Finalize existing Whitebox (Edge-Core/OCP) OLT Adapter
  - Need to assess whether this will continue to be used/developed or if it will be merged in with new Open OLT Adapter (Radisys, ONF)

- VOLTHA PON Scalability 2 OLT; 64 ONU/PON
  - Scalability target needs to be clarified

- VOLTHA Software Component Upgrade (Ciena-drive discussion)
  - Non-service impacting upgrade of VOLTHA

- ONOS Apps and HA (ONF)

- Simulator (ONF)

- Abstraction for FCAPS management (AT&T-drive discussion, NTT)

- Alarms & PM (minimal) Support (AT&T – drive discussion)

- Security (AT&T-drive discussion)

- Log Management (Ciena)

- ONF – ONOS / VOLTHA / R-CORD / OSAM integration (Netsia, AT&T)

Deferred - VOLTHA 2.0+ scope

<u>May be deferred – depends on resources</u>

- NetCONF Support (NBI) (RFC 6241)
    - SSH and TLS support
    - Standards-based Yang Model Support (BBF & IETF)
- G.Fast Support (DPU Driver/Adapter)
- PM Support (beyond minimal set in v2.0)
- Reference implementation of VOLTHA - CI/CD
- Requirements for BNG-like support in OLT HW
- PPPoE support - exploratory
- IEEE 802.3 PON
    - Pending contribution