OCP Engineering Workshop – Telco 6/2/2016

· **Chair: Craig White**

· **Attendance: 13 total**

Agenda:

· 15 minutes - welcome

· 45 minutes - community

· 2:00 break (15 mins)

· 2:15 presentations (45 mins)

· Community discussion:

> o How we work on projects
>
> o Do we want to do hardware and software
>
> o How to organize that? (Github, etc.)

Community:

· Many projects have IRCs. If wanted, we can get this set up

· Monthly call - Can have multiple calls to accommodate other regions, need input

· Elections - Opens June 6th, details will be sent to web page

Telco Group Status

· Was a working group (similar to "Birds of Feather") to gauge community interest - Beginning of 2016 Foundation changed to a top level Project

· TIP and OCP Telco are two separate and very different groups

> o Both have a founding member in common, Facebook

- These are two separate Foundations, each with its own Bylaws, Boards, Policies

- Major differences are TIP can create new standards, has a royalty based IP rights

- Some sharing & collaboration among both groups (bi-directionally)

- OCP doesn't do standards. OCP provides open technology solutions. Those aren't mandates / standards. They may be modified to suit the end user.

- OCP Telco group seeks to Identify barriers to deployment of OCP solutions in telco deployments

  - OCP Telco works with other OCP Projects to leverage common goals

    § Driven by tangible demand from telco / carriers

  - Finding OCP solution or product for those issues

  - Will create OCP solutions that could be applied in real world telco deployments

    § OCP is datacenter-centric – could leverage those solutions toward Telco issues, for example

  - As an example, OpenStack and associated software would be outside of scope because this is handled by other groups, but should be supported on OCP gear

- Telco Wiki page provides community communication / collateral / presentations

- Multiple carriers have expressed interest

- AT&T expressed interest in submitting a specification for a Virtual OLT – GPON

- OCP Telco accepted AT&T to work on Virtual OLT

  - AT&T presentations from Open ONF and other public forums

  - Disaggregate OLT system they are currently buying from vendors

    § Hardware and software decoupled

  - Separate IP / Network from baseband physical layer

- § Piece for central office

- § Piece for access edge

- o AT&T worked with vendor of desktop (LAB) hardware that demonstrates this concept

- o AT&T then submitted specifications to OCP

- OCP project / technical work is to convert this to OCP standard

  - o OCP Project started ~ January 2016

  - o Current status

    - § charter drafted and presented to IC

    - § Wiki established

    - § Monthly call established

    - § Mail list established

  - o Submitted specifications is preferred method of engaging.

  - o Not required, example is rugged pod, has been discussed but in not a submission (it is an open source project)

    - § Demonstrated oil cooled processing

      - · Could be used in outdoor environment (like Telco) or datacenter

Presentations presented

- Trevor Hiatt (IDT) presented "Low Latency Edge Compute"

  - o Edge Compute Server & RapidIO ToR platforms being readied for submission as OCP reference designs

- Rajat Ghai (Benu Networks) presented "CBW (Campus, Branch, Wireless)"

  - o Linux-based open reference WiFi access hardware and software planned for submission as OCP Networking Group reference designs