EPoC System Architecture and Device Specifications
CL/MSO EPoC Working Group

EPoC Specification Proposed Timeline

802.3bn Task Force
September 2013 Interim

John Dickinson and Ed Mallette, BrightHouse
Michel Allard, Cogeco
Jorge Salinger, Comcast
Eugene Dai and Jeff Finkelstein, Cox
George Hart, Rogers
Mike Darling, Shaw
Kevin Noll and Mike Kelsen, Time Warner
Eric Menu, Videotron
Matt Schmitt, Karthik Sundaresan and Curtis Knittle, CableLabs

Goals of CL/MSO EPoC Project

- Develop the overall EPoC system architecture and device requirements
  - Complement the IEEE EPoC PHY 802.3bn effort
- Define the system and component requirements
  - EPoC customer premise device, known as the Coax Network Unit (CNU) in IEEE 802.3bn definitions
  - Optical-coax converter, i.e., the interface(s) between the EPON Optical Line Terminal (OLT) and the CNU
- Specs will include requirements for:
  - Interfaces and devices
  - Functional and operational
  - Performance and physical/environmental
  - etc.

Working Group Participation

- Invitation to participate sent to key vendors
  - Traditional Cable industry, silicon and EPON suppliers
  - Please see us if you were not invited but think you can contribute

- To participate in the Working Group companies must:
  - Sign the CableLabs EPoC Contribution and License Agreement (a.k.a. “EPoC IPR”)
  - Sign the CableLabs EPoC Confidential and Privileged Information Access Agreement (a.k.a. “EPoC NDA”)
  - Sign a CableLabs CE Agreement for each participant

CL/MSO EPoC v1.0 Short Term Schedule

- Working Group intro meeting held on 9/18/2012
- Working Group Kickoff target for 10/22/12
  - Participation requires executed agreements
- Weekly Working Group meetings starting 10/29/12
  - Will likely have several sub-teams focused on different areas
    - System Architecture
    - Hardware and Functional
    - Performance
    - Management
    - Testing
  - Will start sub-teams as required
- Monthly Working Group F2F meeting starting 11/16/12

Questions or comments on the CL/MSO EPoC System Architecture and Device Specs?

MSO Target EPoC Schedule

- CL/MSO System/Device Specs and Product
  - System architecture definition by January 2013
  - Hardware and Functional Specs by July 2013
  - Management and Performance Specs by November 2013
  - Acceptance Test Plans by January 2014
  - Sample products by 1Q2014

- IEEE PHY Standard
  - Complete baseline for downstream by January 2013
  - Complete baseline for upstream by March 2013
  - Finalize draft standard amendment by July 2013
  - Get the standard ratified by early 1Q2014