

# ***BBF overview for IEEE SIEPON workshop hosted by CableLabs***

Robin Mersh

CEO

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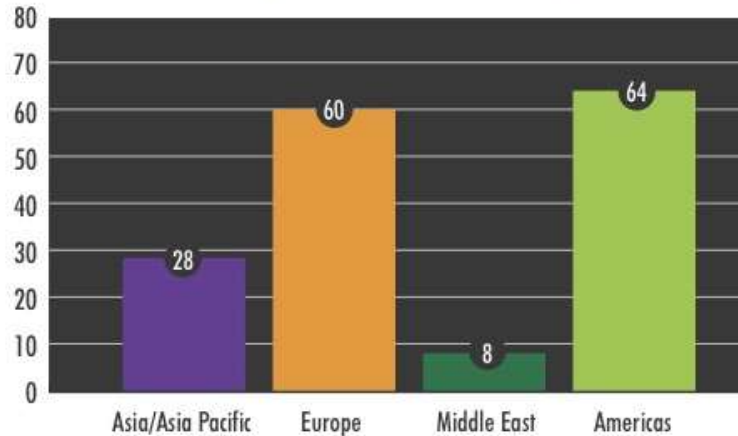




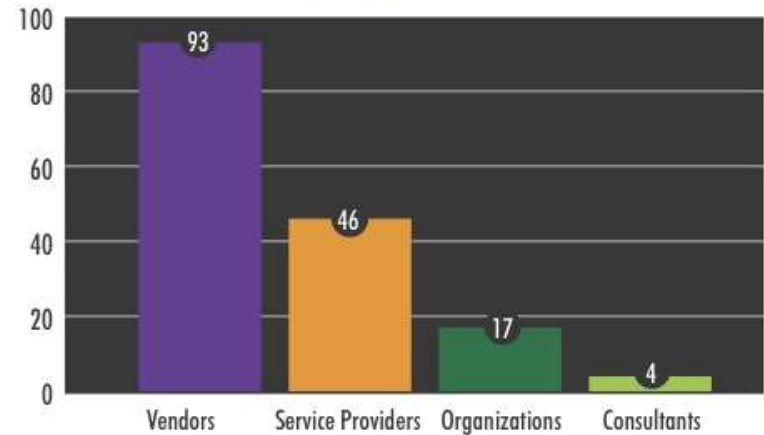
- Focused on engineering smooth evolution of broadband networks and mitigating new technology risks
- Our work-
  - defines best practices for global networks
  - enables service and content delivery
  - engineers critical device & service management tools, and
  - is key to redefining broadband

# Forum membership

## Regional Membership



## Industry Segment Breakdown

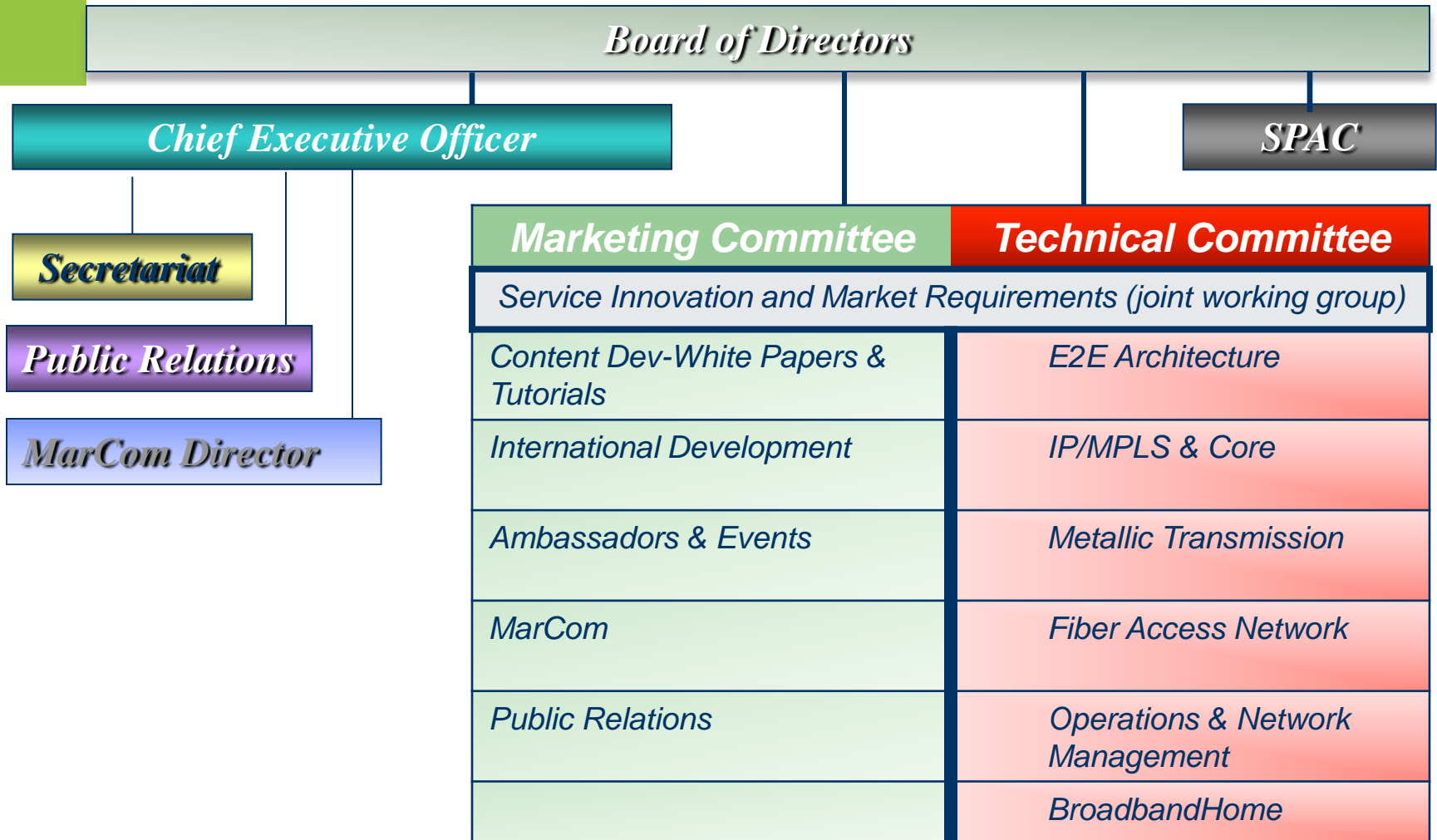


- 160 members (December 2013)
- Active Service Provider Action Council
- Certification Program

# Broadband Forum Service Provider Members



# Broadband Forum Organization



# How the Broadband Forum works

- Work is facilitated by-
  - Board Strategic Directives
  - Internal Roadmap & Formal Release Plan
  - Service Provider Requirements
  - Member Contributions  
(process approx. 420 per meeting!)
  - Test Events
  - Marketing Reports & Tutorials
  - Demonstrations & Technology Showcases



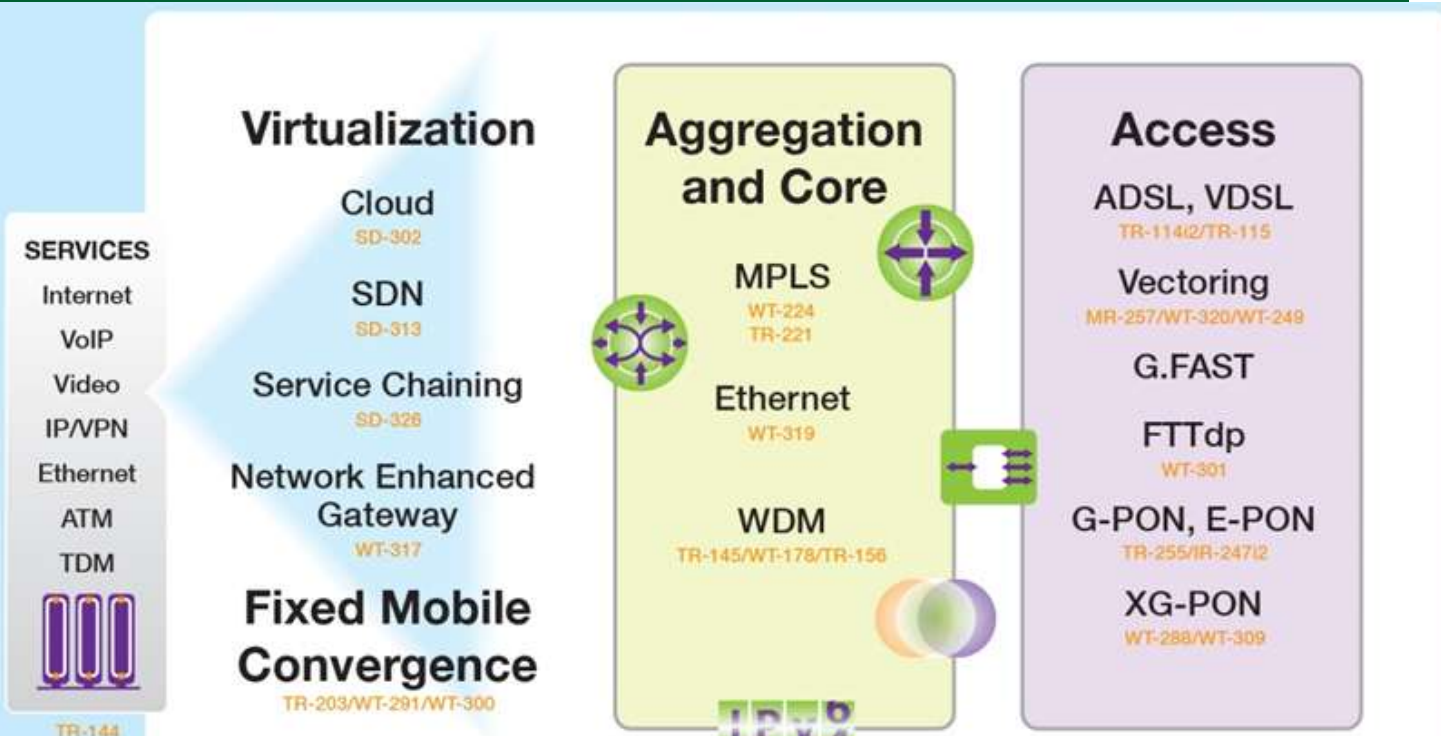
# Special Sessions

- **Outside of working group sessions, the Forum typically has these programs-**
  - **Service Provider Action Council-**  
Monday sessions for Providers, which strengthens the Provider voice into the Forum and drives key issues regarding meeting the needs of the mass market
  - **Keynotes**  
Industry leaders are invited to speak and provide the Forum with their vision for broadband and their priorities to help drive our work
  - **BoF (Birds of a Feather)-**  
Evening technical interactive sessions, open to all and typically on potential work areas. Goal is to stimulate a forward plan addressing what the Forum's scope is in this area and whether new work should begin
  - **Best Practices Sessions-**  
A panel that explores today's best practices around a certain topic. Mostly educational, but can be a source of new work

# Scope of Work



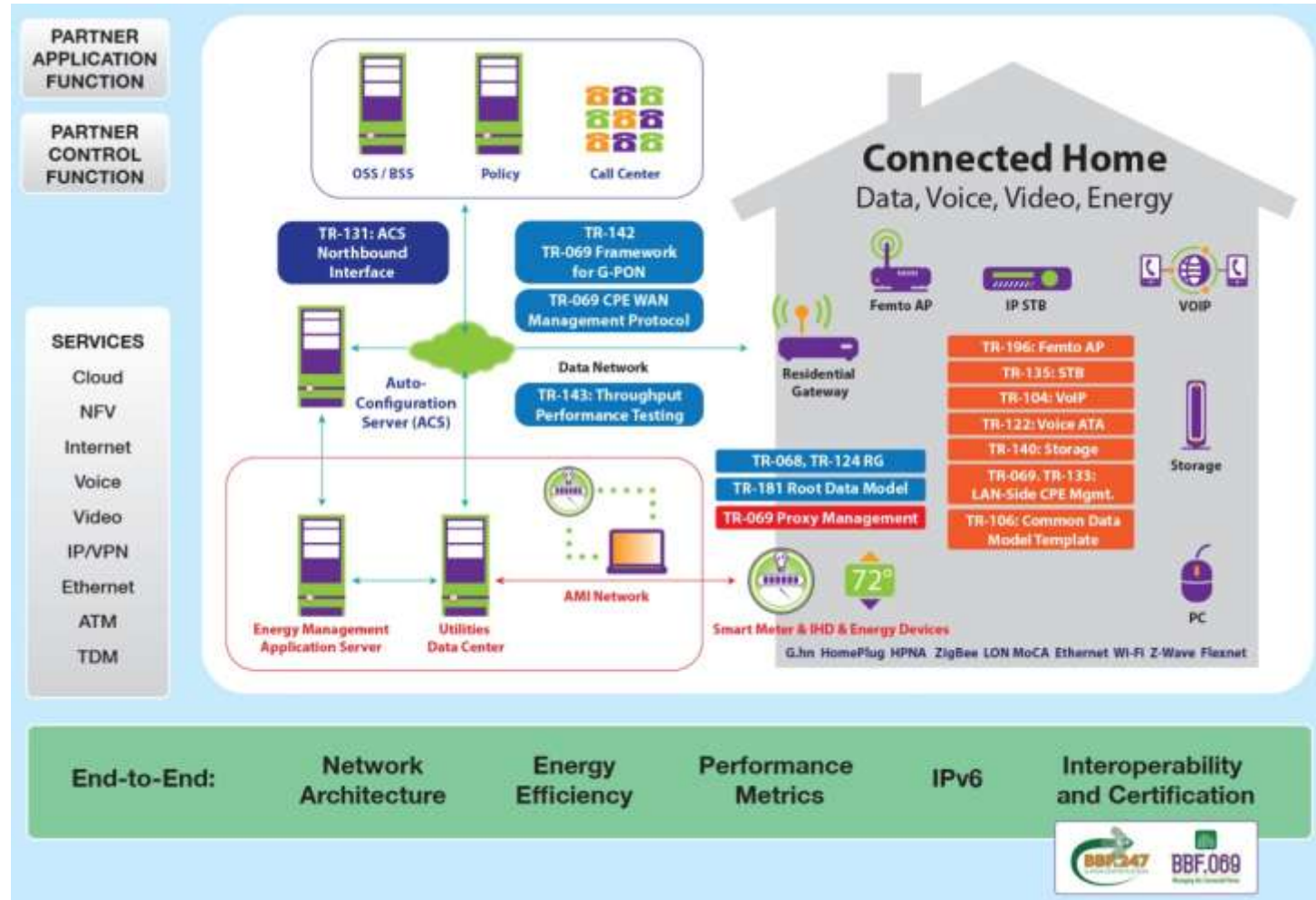
# Multi-service Architecture



End-to-End: Network Architecture Energy Efficiency Performance Metrics Interoperability and Certification

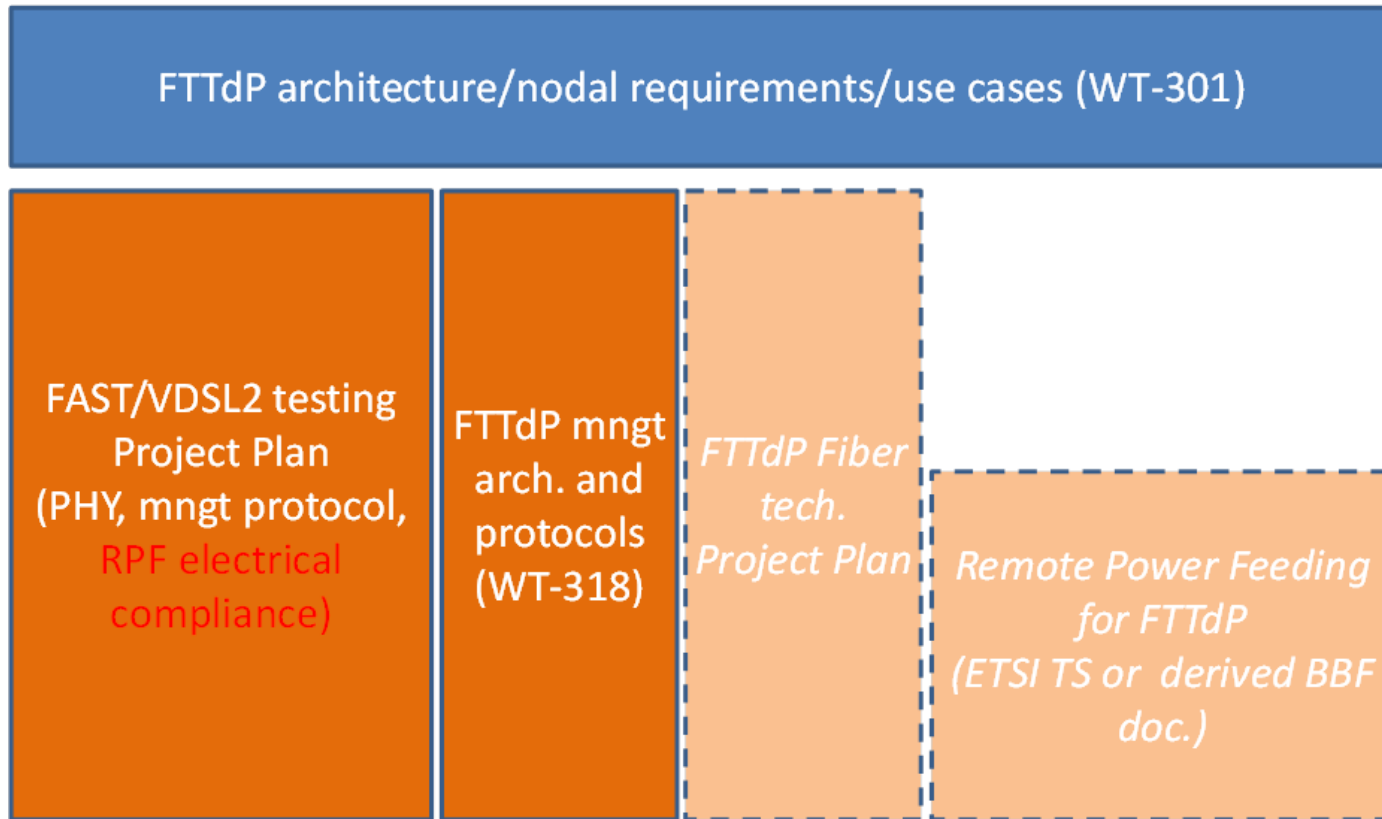


# TR-069 Family of Remote Management Specifications



# FTTdP/G.fast Project Overview

## FTTdP overall Project Plan



# BBF FTTdp/G.fast project

- BBF has four groups working on the FTTdp/G.fast Project
  - Fibre Access Network
  - Metallic Transmission
  - End to End architecture
  - Operations & Network Mgmt
- BBF WT-301: Fiber to the Distribution Point
  - Specifies architecture for FTTdp addressing
    - Outdoor pedestal serving multiple homes
    - Indoor unit for MDUs
    - Single-line, fiber-to-copper unit
  - Defines 23 use cases: SFU/MDU, reverse power feed
  - Addresses the following contexts:
    - TR-156 (G-PON from HON to DPU)
    - TR-101 (Point-to-Point Ethernet from HON to DPU)
    - TR-145 (how should this be described???)
    - TR-200 (EPON from HON to DPU)
    - Note: TR-167 (switching in DPU) not addressed in WT301

# Additional deliverables expected

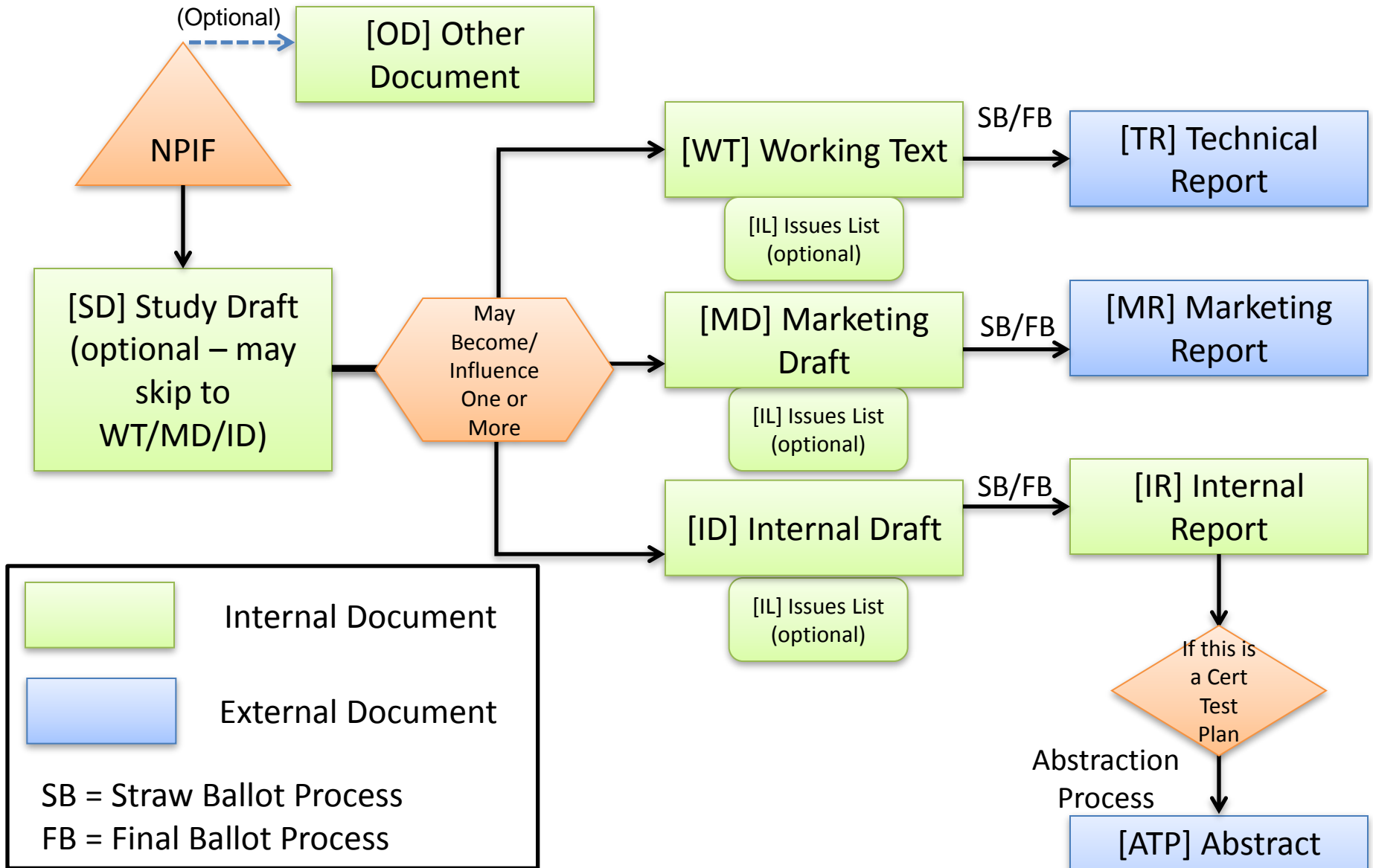
- BBF WT-318 “Management Architecture & Requirements for FTTdp”
  - addresses management of FTTdp, including the PME (persistent management entity), and use of OMCI and SNMP.
  - FTTdp management must address various backhaul and drop technologies.

## Copper related work

- BBF SD-285 “Copper Transmission Models for Testing above 30 MHz”
- Will also include updates to TR-114/115
- G.fast performance & functional test plans
- Remote Power Feed test plans
- Plugfests & Private test events at BBF ATLS

# Processes

# Document Types and Approval Process Flow Chart

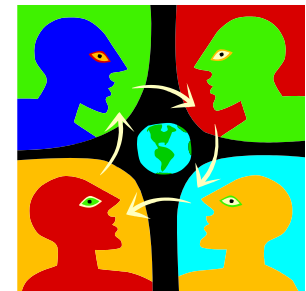


More details available in the Policies & Procedures Document

# Work Schedule

## Four meetings per year

- Typically alternating European, Americas and Asia locations
- 2014 Meetings
  - Q2: June 23 - 27, 2014 - Denver, Colorado
  - Q3: September 15 - 19, 2014 – Dublin, Ireland
  - Q4: December 8 - 12, 2014 - Asia Pac
- Between meeting conference calls
- Scheduled members-only plugfests
- Ongoing members-only certification opportunities





**We don't work alone**



# We don't work alone!

## BBF Technical Liaisons & Cooperation

- 3GPP
- 3GPP2
- Alliance for Telecommunications Industry Solutions (ATIS)
- Digital Video Broadcasting project (DVB)
- Digital Living Network Alliance (DLNA)
- European Commission Joint Research Center (EU JRC)
- European Telecommunications Standards Institute (ETSI)
- Full Service Access Network (FSAN)
- Groupe Speciale Mobile Association (GSMA)
- Home Gateway Initiative (HGI)
- HomeGrid Forum (HGF)
- IEEE P1904.1 SIEPON
- Internet Engineering Task Force (IETF)
- International Telecommunication Union (ITU-T)
- ISO IEC/JTC 1
- IPv6 Forum
- Metro Ethernet Forum (MEF)
- MoCA
- One M2M
- Open Mobile Alliance (OMA)
- Open IPTV Forum
- OSGi
- Small Cell Forum
- Telemanagement Forum (TMF)
- Universal Plug and Play Forum (UPnP)
- Wi-Fi Alliance
- WiMax Forum
- Zigbee Alliance



# Welcome to the Forum!

*Thank You*

[www.broadband-forum.org](http://www.broadband-forum.org)



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