



Standards Review & Future Development

ITSF2010 2nd – 4th Nov 2010

Session 6: Agenda

- Opening words
 - This session
 - The standards journey so far
- Speakers
 - Introduction to ITU-T & SG15 – Greg Jones
 - Synchronisation Standards – Jean-Loup Ferrant
 - ITU 1588V2 E2E Frequency Profile – Silvana Rodrigues
- Interactive Discussion
 - Everyone!

Standards Session

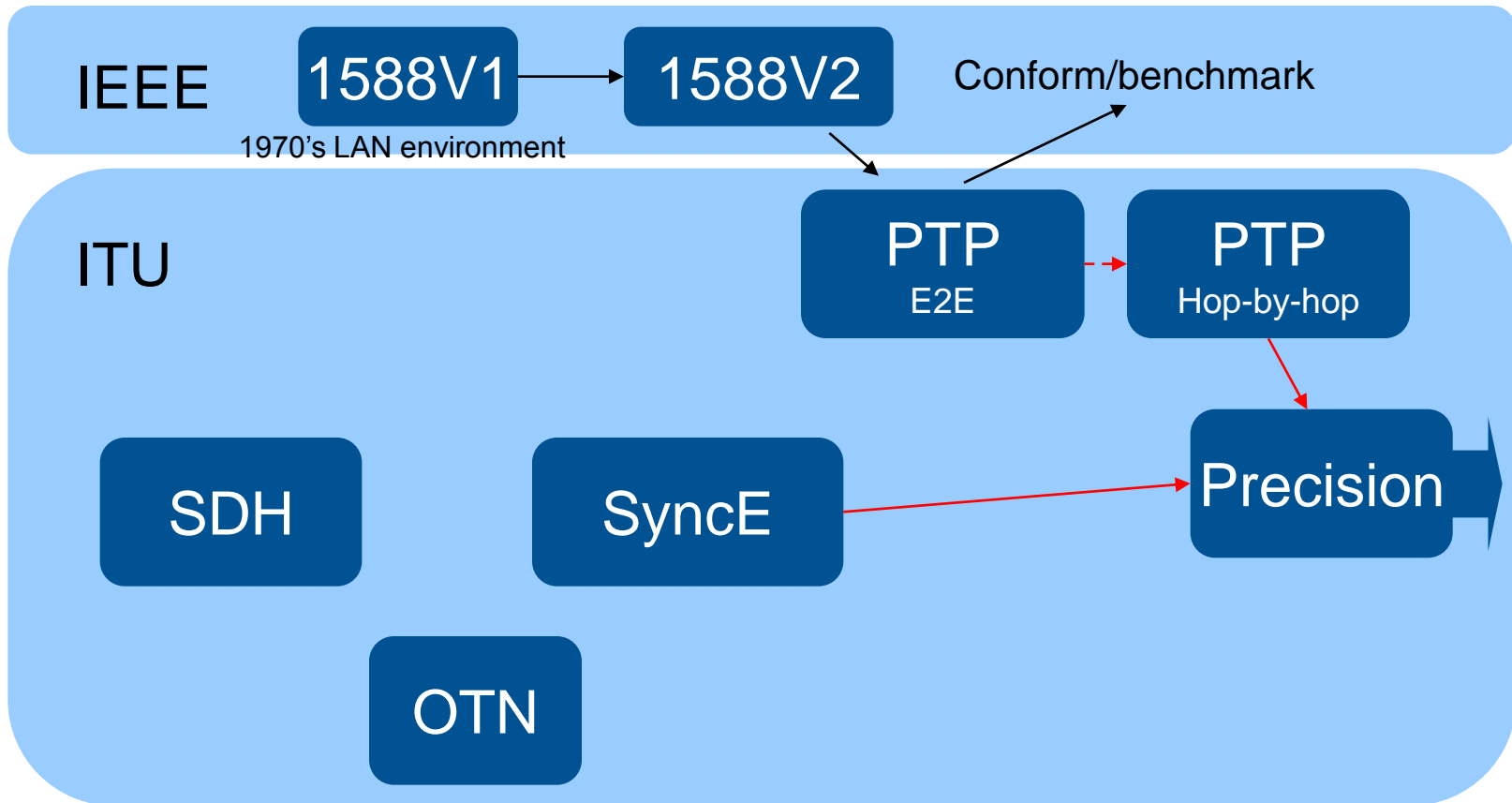
- Why at the end of ITSF2010?
 - Several good days of discussion / debate / presentations
 - Hopefully some good debate will result
 - Review the conference / themes in standards context
- ITSF relationship to ITU
 - This session is in collaboration with ITU
 - Further development possible and expand the collaboration
 - “Logo Authorisation”
- Less information push more interaction
 - Calibration of industry direction
 - Can we capture some key themes?

Why Standards?

- The importance of standards
 - inter-working on a world wide basis
 - Architecture and limits
 - Performance
 - Capital investment / Operations cost
- How the standards process works
 - Contribution and discussion
 - Consensus
- Individuals make this happen

The Standards Journey

Note:- Other protocols (e.g. NTP) / clocks / GNSS & traffic interconnections not shown for clarity



- 1999

2000-2010

2011 -

ITU & The Standards Update

- International Telecommunications Union (ITU)
 - What is it?
 - How does it work?
 - ITU-T SG15 Transport
 - Q13 – The Synchronisation Question
- Synchronisation Standards Update
 - Sync activities across ITU-T SG15, OTN, xPON, xDSL
 - SyncE, Packet Transport of frequency E2E PTP profiles
 - Time & Phase challenges
- ITU-T 1588E2E Profile
 - 1588 profiles & Telecom Profile
 - PTP options
 - BMCA, Telecom Slave clock
 - Network Support

time and synchronisation in telecoms

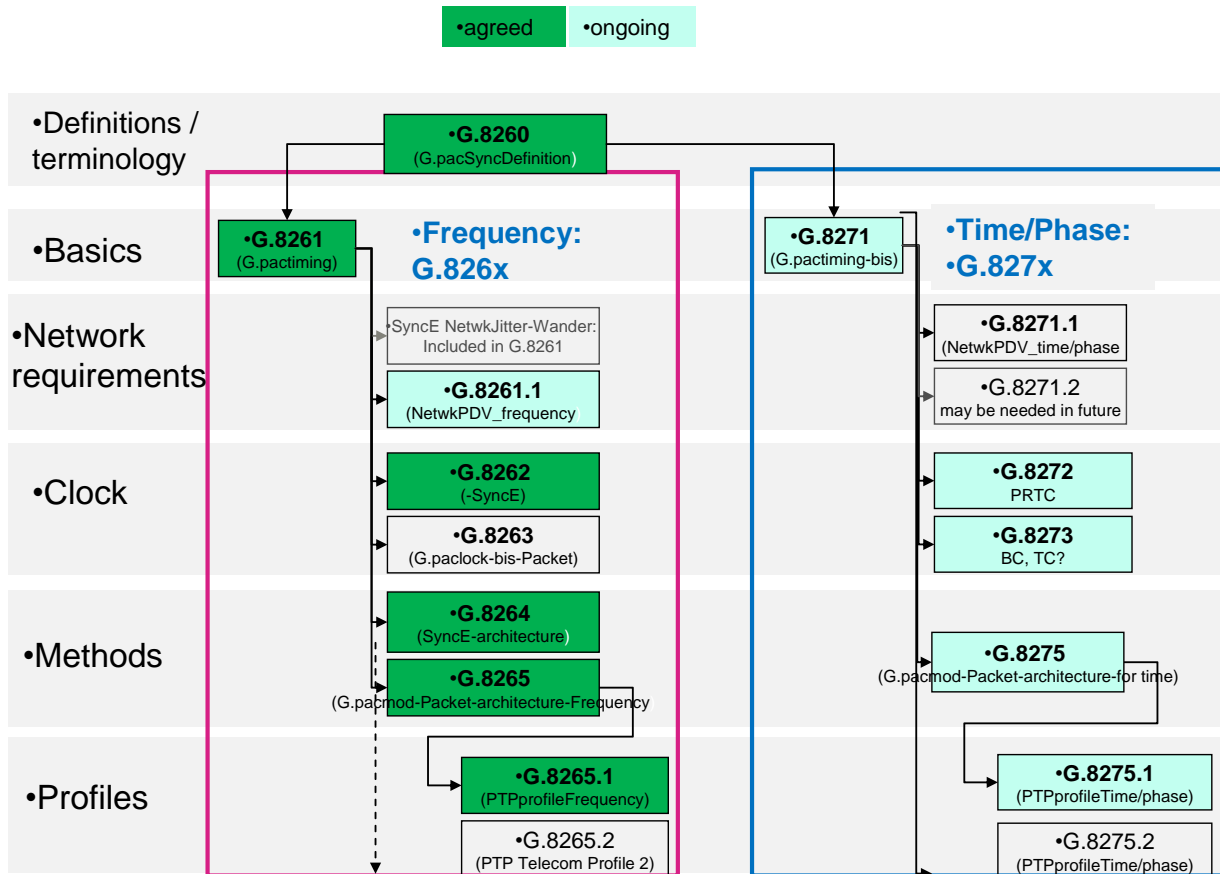


Who Develops Standards?



Questions for discussion

- Awareness of ITU Standards development?



Questions for discussion

- Applications being served?
 - Views from the room?
- Mobile or fixed?
 - Representation
- Is 1us the right target / aiming point?
 - The interface?
- Every thing is achievable but at what cost?
 - Is the cost too much?
- Scalability?
 - Budgeting
- Appendix 6 – performance testing and the conformance?
 - Predictability?