



WSTS 2013 CONCLUSIONS

STATS

- ◉ 94 registrants + comps
 - 41 regular
 - 41 speakers
 - 12 exhibitors
- ◉ 10 exhibitors
- ◉ 3 corporate sponsors
- ◉ 15 nations
 - Canada
 - Denmark
 - El Salvador
 - Finland
 - France
 - Germany
 - Israel
 - Italy
 - Japan
 - Mozambique
 - Singapore
 - Sweden
 - Switzerland
 - UK
 - USA



CONTENT

- ◉ New needs for time, phase, and frequency in industry
- ◉ Progress and deployments of PTP
- ◉ Testing, monitoring PTP
- ◉ GNSS vulnerability
- ◉ Work ahead: asymmetry, partial on-path support, update 1588, ...

- ◉ Next year: *Probably here in San Jose area, June 10-12, 2014*
- ◉ *2015 maybe in Ottawa*

WHAT DID WE CONCLUDE?

- Asymmetry is a major challenge
- GNSS (GPS) is a fundamental method for distribution
 - But... jamming, spoofing, multi-path (urban canyons) etc.
 - However... the network (PTP) is an alternative that can be used as a back-up or even primary in cases where GNSS
- PTP (IEEE 1588v2) is achieving maturity with widespread and increasing deployment
- Standards Bodies (ITU, IETF, ATIS, IEEE) making great strides in developing material related to time distribution

COMPUTER HISTORY MUSEUM

- ◉ <http://www.computerhistory.org/directions/>

- ◉ **Computer History Museum**
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