



Joan d'Austria, 112 - Barcelona - SP - 08018
Chalfont St Peter - Bucks - UK - SL9 9TR
www.albedotelecom.com

ITSF 2015 Demonstrator Sessions

Applicant Name

Jose M Caballero

Company Name

ALBEDO Telecom

Title of Demonstration

PTP/SyncE benchmarking solution to conduct Approval/Acceptance test suites.

Description of Demonstration (200 words)

A lot of companies such as Telecom Operators, Power Utilities or Railways have experts in synchronization that have to conduct approval and acceptance test on selected components. The objective is to verify not only compliance to the international standards but also specific quality requirements and interoperability with the installed base. Moreover, these procedures shall clarify and differentiate the different manufactures in order to select the most suitable network resources.

ALBEDO will demonstrate this activity by means of a benchmarking installation built exclusively to satisfy the needs. The solution includes:

- Master PTP 1588v2 / SyncE clock feeding a slave PTP/SyncE clock.
- WAN emulator to stress PTP flows with delays, jitter, loss, errors, etc.
- Packet tap that filters and captures PTP flows to be analyzed
- PTP/SyncE tester to measure Freq, Wander, One-way Delay, ESMC/SSM, emulating Master/Slave clocks.

This solution can also be an good platform to train the staff that have to install and maintain the synch network while maintaining its KPIs.

Key Equipment Involved*:

- **Net.Time:** PTP/SyncE master clock.
- **Net.Sync:** slave PTP clock with test/measurement features.
- **Net.Storm:** WAN emulator or PTP impairments generator.
- **Net.Hunter:** stream-to-disk tool to filter & capture PTP flows
- **Ether10.Genius:** 10G Ethernet, PTP, SyncE tester and clock emulation

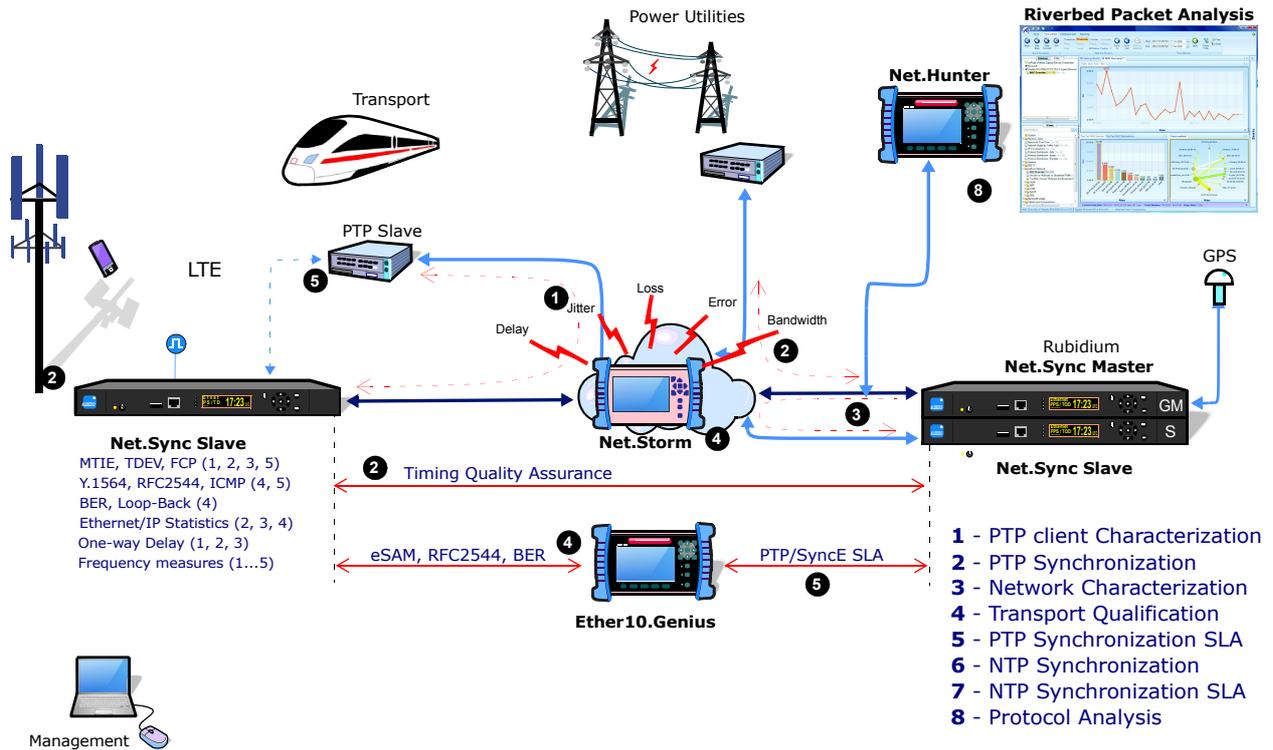


Figure 1 PTP benchmarking solution to conduct approval and acceptance test suites.

ALBEDO Telecom - Registered in Barcelona. Book 41613. Page 155, Sheet B-390886 - VAT : ESB6523022



ALBEDO Telecom

ALBEDO Telecom designs, manufactures, and delivers solutions that enable Telecom organizations of all sizes to test, measure, troubleshoot, monitor, and migrate mission critical networks and multiplay applications.

On local segments and across distributed networks, ALBEDO enable Organizations, Installers, Operators, Service Providers and Suppliers to quickly check the health of Network Architectures, Service Agreements (SLA), IP Quality (QoS), or fix any issue.

Your Business Partner

Results. ALBEDO Telecom helps the industry to make the most of the investment on infrastructure.

Expertise. ALBEDO Telecom engineers and consultants provide industry leading knowledge in hand-held TAPs and WAN emulators, IPTV, VoIP, Carrier-Ethernet, Synchronization, Jitter, Wander, SyncE, PTP, E1, and Datacom to address customers unique needs.

Integration. ALBEDO Telecom integrates disparate telecom technologies and applications, facilitating new business efficiencies.

Agility. ALBEDO Telecom increases the ability of customers to respond quickly to new market opportunities and requirements.

Coverage. ALBEDO Telecom offers solutions that facilitates the migration and the roll-out to new architectures.

ALBEDO

Telecom

the Path to Excellence

Joan d'Austria, 112 - Barcelona - 08018 - SP

Chalfont St Peter - Bucks - SL9 9TR - UK

www.albedotelecom.com

aims
elms

- + UNDERSTAND causes of telecom interoperability issues
- + EXPERIENCE the best quality in unified networking
- + ASSESS different hardware, firmware, and software solutions
- + LEARN from experts by means of professional services and consultancy