

Sync Survey

Oscilloquartz professional sync services

Benefits

- Synchronization assurance**
 Continuous and systematic performance measurements assure the precise delivery of synchronization. Quality of service (QoS) and quality of experience (QoE) are guaranteed.
- Anticipating degradation**
 A long-term Sync Survey is able to reveal slow changes in synchronization quality and let you forestall degradation issues.
- Maximize Syncjack® benefits**
 Our comprehensive technology for timing distribution, monitoring and service assurance is built into all Oscilloquartz equipment.
- In-service monitoring**
 OSA sync probes enable automatic monitoring and data collection over long periods of time without human intervention (except at set-up). Continuous measurements can be taken while the network is in service.
- Better control of your network**
 Sync Survey reports provide consolidated information that is the basis for informed actions at the network level, thus ensuring continued control over synchronization performance and quality of services.

Overview

Cost-effective delivery of assured phase, frequency and time-of-day synchronization at the edge of mobile backhaul networks has become a real challenge. Let Oscilloquartz's Sync Survey identify existing and potential problems, helping you take control of your synchronization performance and make major savings.

Do you have difficulties meeting quality of service requirements and identifying the causes? Are you facing challenges with the coming network evolution from frequency to phase synchronization (e.g., LTE to LTE-A)? We hear it a lot and we can help. Our Sync Survey report allows you to take appropriate action when and where necessary, before degradation gets out of hand.



SYNC SURVEY

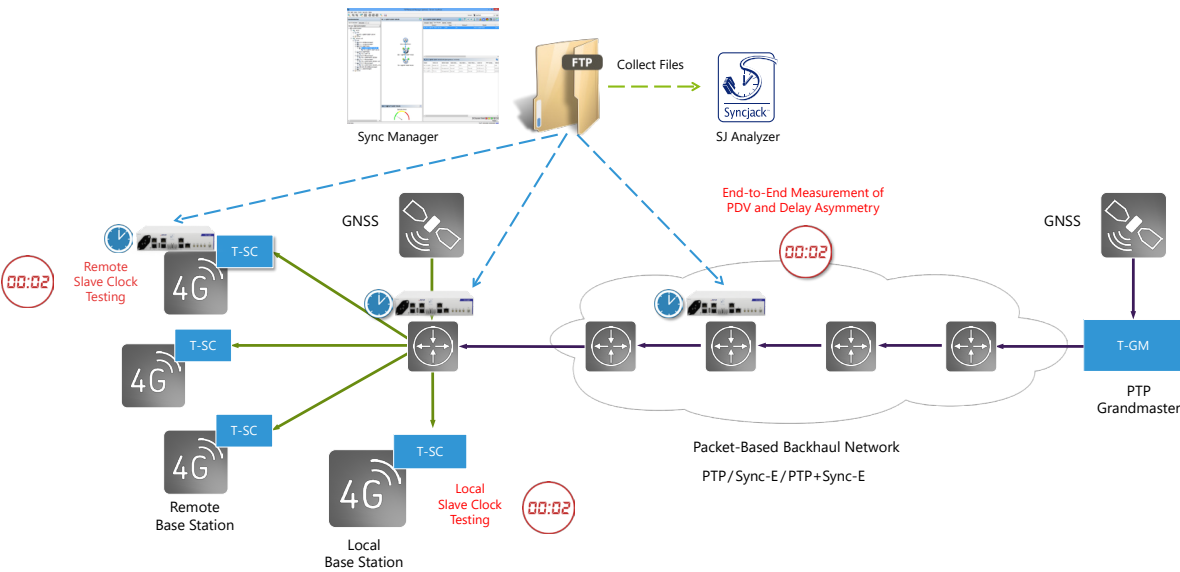
Prerequisites & deliverables

Customer input	<ul style="list-style-type: none">• Sites where measurements have to be performed or network topology• Number of days when measurements are performed (any period of time)• The optimum period of time depends on the use case and targets
Measured parameters	<ul style="list-style-type: none">• Frequency sync parameters for synchronous Ethernet (G.8261) or SDH / SONET G.823 / G.824)• Frequency sync parameters in accordance with G.8265.1 PTP profile• Phase sync parameters in accordance with G.8275.1 or G.8275 PTP profile
Deliverable: sync survey report	<ul style="list-style-type: none">• Measurements are collected, analyzed and commented in a written report• Measurement results are represented by standard metrics, such as MTIE for example• Electronic files provided in common formats

Case study: making an informed decision about equipment location saves money

Customer

- Existing network with PTP-based frequency synchronization
- Customer plan to upgrade towards LTE-A and phase synchronization
- Sync Survey is used to evaluate where best to place PTP clocks for phase delivery



Why it makes sense

- Performance of phase synchronization is highly dependent on network conditions
- Optimal choice of equipment locations minimizes equipment quantity and CAPEX
- Control of phase performance assures best quality of experience for the end customer

