

# Network Synchronization Audit

## Effects of poor sync quality

- Loss of traffic
- Performance degradation
- Failed base station handover
- Higher rate of dropped calls
- Lower data transmission speed
- Low stability

Ensuring accurate timing signal across the whole network is essential for the proper operation of installed systems and the quality of provided telecom services. The poor sync network performance is the root of several well known and hidden network faults and low service quality that ultimately lead to revenue losses. Network operators have to maintain a carefully designed, robust and reliable timing signal distribution solution over their whole network.

## Why regular sync quality measurements are needed

Each network is like a living organization. Even a minor capacity extension or link rerouting can seriously affect the distribution of timing and reduce the fault tolerance of the synchronization network. Regular sync measurements help the operators to control and maintain the proper network synchronization status.

## The Audit Program

### Network Survey

1. Sync Network architecture overview
2. Checking working and stand-by timing signal routes
3. Identifying risks and weaknesses

### Measurements

1. On-site timing signal quality tests
2. Detecting wrong configuration set up
3. Tracking sync loops
4. Performing quick fixes

## What you get from the audit:

- Comprehensive synchronization network survey
- Operation and Risk assessment
- Measurements at selected network nodes
- Detailed Sync Network quality status report
- Suggestions for necessary modification and improvements

## How to achieve?

- Order a Network Synchronization Audit service from PolyNet
- OR
- Educate your O&M team by ordering our Sync Training program

