

Network Audit / Certification

Auditing and Certification services are provided to companies wishing to characterize, measure, monitor, or compare those telecom services classified as mission critical. In order to define the scope of the process, please, identify your objectives that may include technological, operational and strategical requirements. It all facilitates the field research, evaluation and final interpretation of the results. Add any additional information you may consider relevant.

1.0 Objectives

Identify necessities and objectives of the Network Auditing or Certification:

- Assessment of Telecom Service per operator / location
- Selection Operator X vs. Operator Y
- Selecting Optimal Data Transport Service (MPLS / VPLS / VPN / E1 / SDH)
- Definition Service Level Agreement (SLA)
- Verification Service Level Agreement (SLA)
- Quality of Service (QoS) measurement at IP level (ITU-T Y.1451)
- Parameterization of Bandwidth Profile (BWp)
- Verification of Bandwidth Profile (BWp)
- Monitorization of Network Availability (%)
- Triple Play Applications Feasibility Study (IPTV, VoIP, Critical Data)
- Migration from legacy to another technology (i.e. FRL to MPLS)
- Telecommunications Invoice Reduction
- Other (specify)

2.0 Infrastructures

Define the telecommunications network infrastructure to monitor.

- L2 /L3 VPN
- MPLS / VPLS
- Carrier Ethernet (Metro LAN / Macro LAN)

- LTE / GPRS / 3G
- WiFi / WiMax
- Cable / DOCSIS
- FTTx / FTTH
- E1 / E3 / E4 / nx64
- Datacom V.24/V.28, V.24/V.28, X.21/V.11, V.35, V.36 (RS-449) EIA-530
- Legacy Frame Relay / ATM
- Other (specify)

3.0 Application

- Transactions / Critical Data
- Corporate VoIP
- IPTV / Multimedia
- VoD / PVS
- Multiplay Services
- High Speed Access
- Other (specify)

4.0 Subscriber Profile

Indicate whether you want to compare the level of service:

- Rural vs. Urban
- Residential vs. Professional
- Public Corporation vs. Private Enterprise
- Other (specify)

5.0 Samples for Territorial Scope

Define geographical areas of interest and the number of points to audit or a set of samples that may be considered statistically significant.

- For Operation Center
- By City
- By Region
- By Country