tsg SIP readiness

IMPLEMENT WITH CONFIDENCE

IS YOUR NETWORK READY?

New applications can take a serious toll on your network—even hindering its operation, if not properly implemented. The TSG SIP Readiness Assessment can help ensure your network is ready to make your application deployment successful.

TSG SIP READINESS ASSESSMENT

TSG's SIP Readiness Assessment will focus on the items that affect SIP and IP traffic:

- Network Delay
- Jitter
- Packet Loss
- Available Bandwidth
- Quality of Service (QoS) and packet prioritization
- Network Design

The assessment will place a pre-determined amount of simulated traffic on your network over a period of days. This allows us to rate the performance of the network at different codecs (G.711, G.729) and produce a MOS (mean opinion score) for these simulated calls. A graphic representation of this MOS will be produced by the assessment tool, rating quality and performance. Factors affecting the quality of these calls will be broken out and also represented graphically. The general guideline of tolerances we follow and measure for SIP/IP is:

- Ability for traffic marked with DSCP 46 (EF) to be prioritized (QoS)
- Voice bearer and Voice Signaling Packet loss should not be greater than 3%
- One-way delay should be no more than 150 milliseconds
- Average one-way jitter should be less than 30 milliseconds

Along with measuring the MOS of the simulated traffic, TSG will measure device SNMP information: memory and CPU utilization on switches and routers during the test, WAN and LAN link utilization on routers.

TSG's consultants will also give you comprehensive feedback on your network's performance during the evaluation period. We will show the impact of delay, jitter, and packet loss as well as QoS and Layer 3 information across the WAN.

INSTALLING WITH CONFIDENCE

Knowing your network is ready will allow you to implement world class communication solutions with speed and confidence. It will let you maximize the performance of your existing network and reduce the additional unforeseen costs of not being prepared.