

Network Performance Assessment

The Client: A Tier-One Mobile Network Operator

Client Challenge: A Tier-One mobile network operator was running a 3G wireless network which had a relatively high rate of call drops and performance issues on portions of their network. The client operates a network spanning a large geographic area.

Objective: Solana was hired to perform a network assessment to identify the root cause of the performance problems and recommend solutions.

Outcome: Solana successfully identified the cause of network issues, leading to significantly reduced rates of call and packet drops.

Solution: Solana's network audit focused on a network consisting primarily of Cisco and Juniper network devices. Network measurements were examined from various tools including eHealth network monitoring, SMARTHawk, and Cisco IPSLA. The audit examined device MIBs, OSPF routing, VLAN, STP and QoS configuration. Through network measurements, team interviews and review of network architecture, Solana identified the root cause of the problem and recommended cost-effective solutions. Solana was then contracted to assist with remediation to implement the changes.