Remote RF Engineering Support

Remote engineering services provides carriers the opportunity to select various engineering activities and levels of support at an improved cost to on-site staff augmentation. All our activities are conducted by experienced engineers remotely through our flagship product OptPCS™ for Ericsson, Nortel, and Nokia systems.

Our Approach & Requirements

We begin with Observation & Analysis. We access site information and performance data from planning tools and network operational systems. Using OptPCS, our flagship optimization tool, we can consolidate and correlated key information to provide Recommendation& Implementation Guidelines. By tapping into our pool of knowledgeable engineers experienced in Ericsson, Nortel, and Nokia BSS systems, we can provide this service remotely at at low cost. There are three basic requirements the carrier provides for remote RF engineering support services:

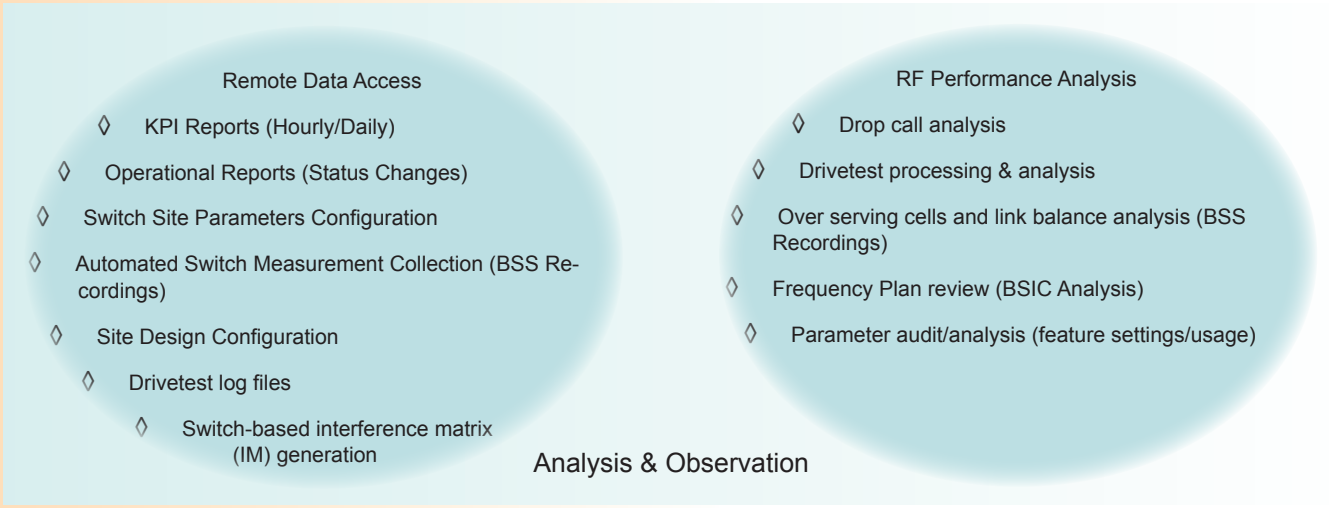
1. Access to the switch parameters from the operational and maintenace systems
2. Access to the site design parameters from the planning tool
3. Carrier verification of the site design configuration in the field

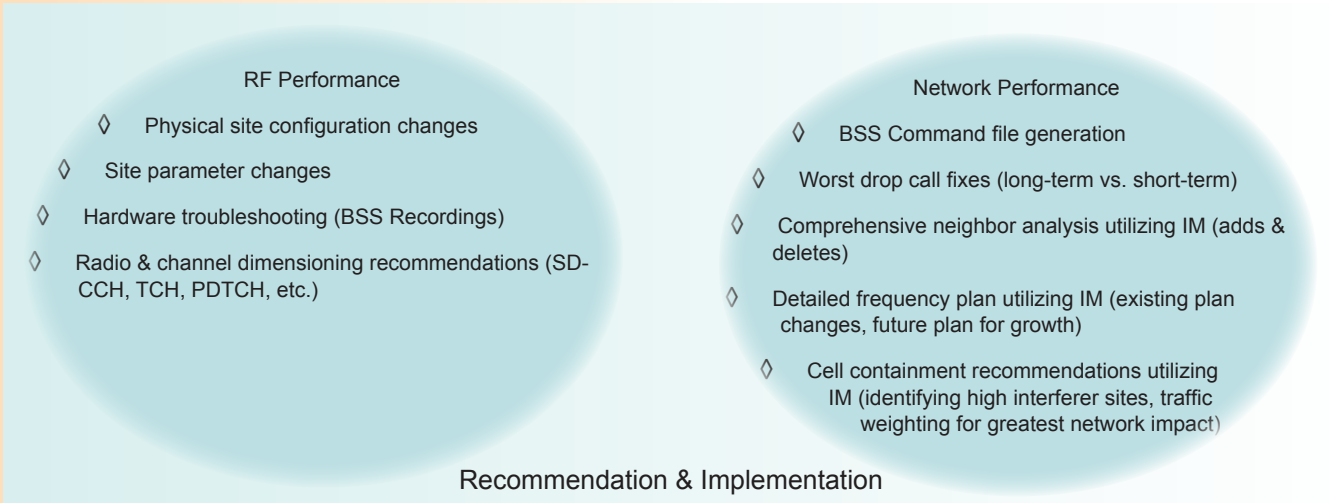
Nortel-based Systems

Nortel BSS systems have seen short-term improvements in their networks when optimization occurs. The Nortel platform provides us with several network reports containing network performance data over the air interface. With our experience on the Nortel OMCR, we can initiate these recordings, store the reports on a local or network drive then import in raw format into OptPCS for analysis.

We use our Nortel experience when applying this approach remotely:

- OMCR GUI and command line interfaces
- Initiatiation and Analysis of Nortel BSS Recordings: RMD, CDA, IM (V16.1), CPT





Ericsson-based Systems

The Ericsson platform provides several opportunities for us to record measurement data flowing through the network to understand its performance. With our experience on the Ericsson OSS, we can initiate these recordings, store the them onto disk then import in raw format into OptPCS for analysis.

We use our Ericsson experience when applying this approach remotely:

- OSS GUI and command line interfaces
- Initiatiation and Analysis of Ericsson BSS Recordings: MTR, CTR, MRR, NCS, FAS

Nokia-based Systems

The Nokia platform provides several network reports to provide us with network performance data over the air interface. These reports are typically stored in a local or network drive. We import the reports in raw format into OptPCS for analysis.

We use our Nokia experience when applying this approach remotely:

- Nokia GUI and command line interfaces
- NetDoctor Reports 153, 163, 182, 195, 196, 225, 232

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