

*“The best way to anticipate the future is by understanding the present”
- John Naisbitt*

ISON CONSULTING



Case Study – Network Services

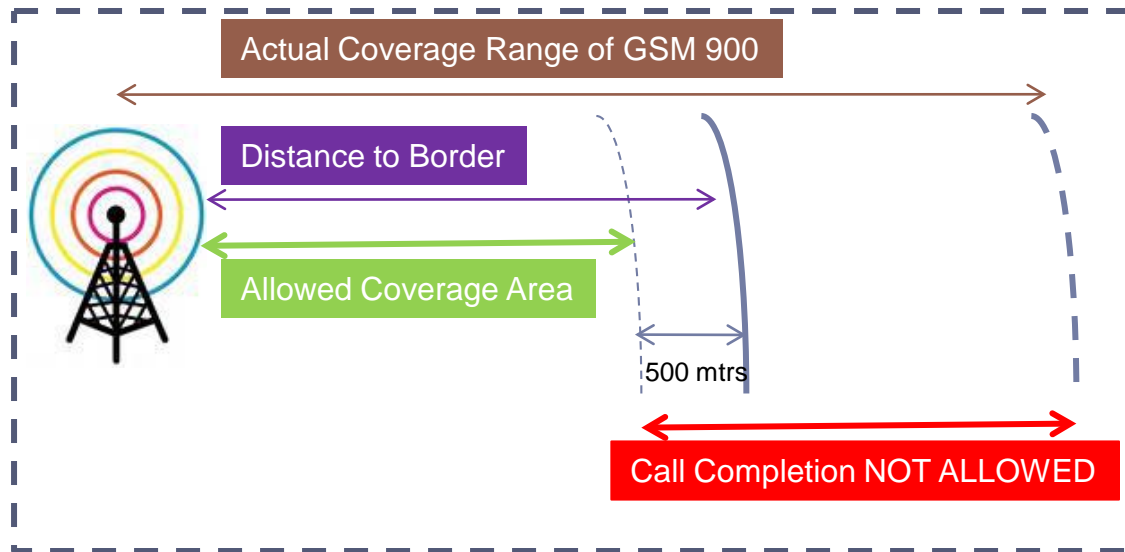
Some Past Network Services Projects

- Indo-Nepal Border Area Testing to ensure and certify that the call coverage doesn't reach beyond 500mtrs inside the border due to security reasons
 - ▣ An extremely complicated testing & enabling exercise as it required each BTS to be tested along the border which in some areas was non-motorable
- Aircel benchmarking of voice and data coverage in comparison to 3 other Operators
 - ▣ This required designing an innovative real-time comparison modeling mechanism using the same software (TEMS investigation) on different handsets/ SIMs and **real-time capturing comparison data**

It is evident from the above 2 Case Studies explained later in this document that ISON not only help our Client with relevant manpower expertise & experience but also offer **complete support to run entire Deliverables based Projects**

Border Area Testing & Certification

INDO-NEPAL Border Area Coverage Spillover Sensitivity



THE QUESTIONS:

1. How do we disable the call Completion within the Actual GSM Range of Coverage?
2. How do we certify this? That would require physical verification.

WHAT
AIRTEL
WANTED

Define the methodology to implement and activate the timing-advance feature of call rejection for calls that are connected beyond the 500mtr range.

Conduct a actual Road Drive Test along the border and find Problematic cells and rectify their timing advance calibration

Cross-verification and certification of actual implementation based on survey results conducted post implementation

Benchmarking (Voice & Data) Coverage

Sample Road Map of where the Data & Voice Benchmarking Survey was conducted



- All the 4 Operators' SIMs were connected to the same TEMS Investigation to enable capturing of real time comparative data
- The data was later segregated using the tool and then compiled into a analysis
- The analysis was represented in a coverage map highlighting the coverage capabilities of each network



- The extensive exercise across 14 metropolitan cities required
 - A very good Project Management team optimally utilized in space & time
 - An excellent understanding of RF parameter analysis

Thank You

Feel free to Contact:

ASHUTOSH JOHRI
Vice President – Business Consulting
ISON Consulting
(M): +91 98103 32690
(E): ashutosh.johri@ison.in