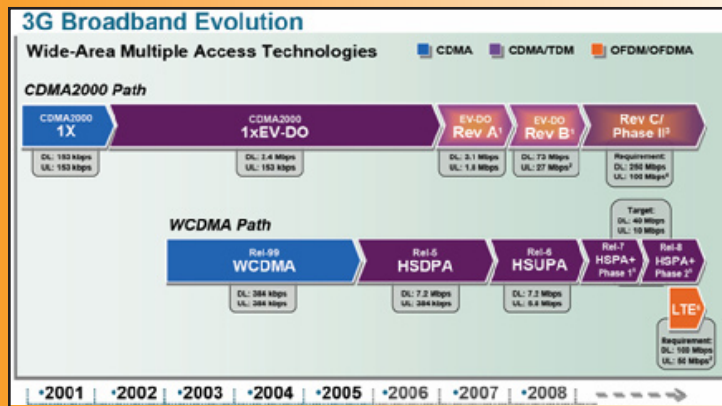


# CDMA/1X and EVDO Engineering Services

Telecom Technology Services (TTS) assists network operators and OEMs in the design and optimization of 2G/3G CDMA/1X and EVDO networks as well as in the planning and engineering of next generation networks, HSDPA/HSUPA and LTE.

The convergence of voice and high-speed wireless promises to revolutionize the telecommunications industry. The implementation of new broadband applications and services require increasingly advanced wireless networks that requires engineers with innovative thinking that can adapt to new technologies and the openness to accept the non traditional planning of yesterday's network.

TTS has a close relationship with a handful of engineering tool companies (i.e. Agilent, Qualcomm and Andrew) leveraging their existing CDMA/1X and EVDO data collection capabilities for system optimization purposes. TTS is also developing its CDMA/1X and EVDO software optimization tool to meet our customers' needs and demand.



## World-class Technical Expertise

TTS seeks experts from all over the world to bring our customers unmatched capability in all areas of wireless engineering. The expertise extends from 2G technologies into 3G and the current evolution of wireless technologies, including CDMA2000/EVDO, WCDMA/ HSPA, WiMAX and IP-based technologies.

## Complete Design and Deployment

TTS provides complete design and deployment services for CDMA/ 1X and EVDO networks.

- ◇ Coverage and capacity planning and dimensioning
- ◇ E-911 testing and validations
- ◇ In-building
- ◇ Network integration
- ◇ Overlay/underlay designs

## Advanced Troubleshooting and Optimization

TTS engineers focus on detecting the root cause of system issues to enable timely solutions delivering peak network performance for CDMA/1X and EVDO networks.

- ◇ End-to-end troubleshooting and KPI improvements
- ◇ Network benchmarking and assessments include network coverage, latency, capacity, speed, and overall QoS
- ◇ Insight and growth path planning

## Next Generation Systems

As CDMA/1X and EVDO networks mature, and the demand for new services grow, TTS can look to the future to assist and recommend technology and implementation guidelines of emerging and tested standards to best fit the business needs.

- ◇ Analysis of WCDMA, HSDPA, HSUPA systems
- ◇ Network integration and acceptance testing
- ◇ Feature testing
- ◇ Media/video application testing
- ◇ Technology and/or software upgrades - verifications of non-degradation to existing underlying networks (i.e. implementation of EVDO Rev. 0 or A on 1xRTT and CDMA networks)

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