

# Communications

## Communications Domain Expertise

LinQuest has a 30-year heritage in providing communications engineering, modeling, simulation, analysis, and operations services to government and commercial customers. With a staff of more than 250 communications systems engineers, analysts, and operators, LinQuest's communications systems expertise and experience span the gamut from end-to-end architecture engineering through field operations.

## Communications Systems Engineering

- Space, ground, and terminal segment system engineering architecture and design (e.g., Milstar, EPS, AEHF, WGS, MUOS, and commercial SATCOM)
- Waveform and protocol development (e.g., MILSATCOM waveforms for processing satellites, adaptation of MILSATCOM waveforms to packet communications, and adaptation of commercial waveforms for Test Range packet communications)
- Systems engineering for tactical communications protocol development and network design (e.g., Army UAV, JTRS, and ground communications systems)
- Information Assurance architecture and design for space and ground systems
- SATCOM integration with the Global Information Grid

## Communications/Networking MS&A

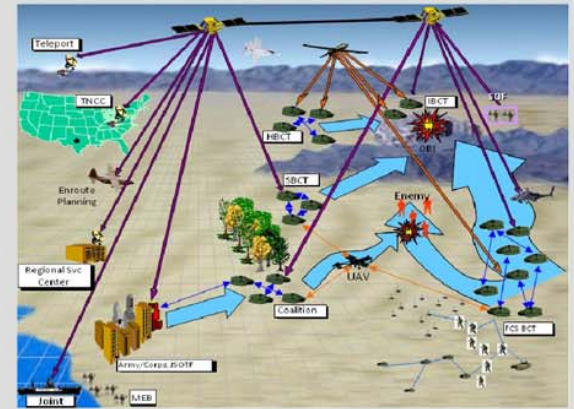
- High-fidelity performance modeling of system elements (e.g., payloads, terminals, and ground gateways), operating environments, and scenarios
- Voice, video, and data application emulation over SATCOM for assessment of user satisfaction and QOS

## Communications Systems Operations

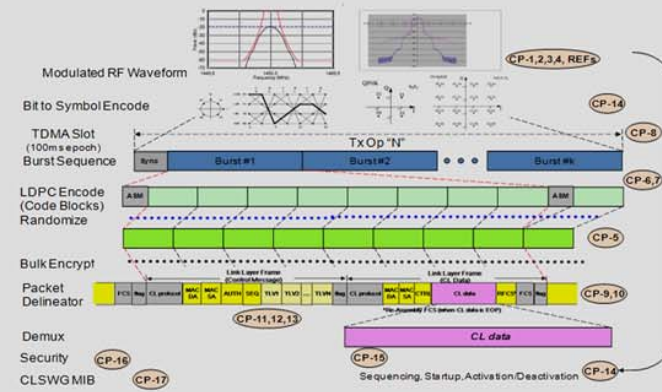
- Mission planning, spectrum management, and bandwidth allocation
- Situational awareness data collection and reporting
- Direct user support
- Warfighter and system operator training

LinQuest has the domain expertise and in-house tools to confront any communications engineering challenge. Our proven past performance, combined with our lack of any conflict of interest, provides our customers confidence in our services, solutions, and support.

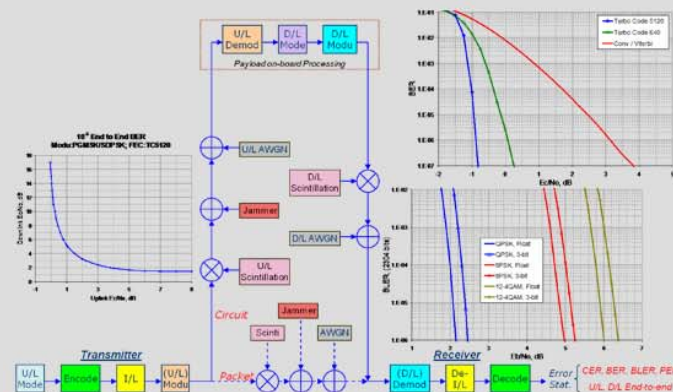
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*Architecture*



*Design*



*Modeling, Simulation, and Analysis*