

Technology Consulting and Services Telecom and Broadcast

Eogogics's subject matter experts provide consulting, research and development (R&D), executive briefings, and advisory services on a host of telecommunications and broadcast topics including business strategy and economics, technology selection and migration, network engineering and optimization, security assessment, regulatory and litigation support, and a whole lot more.

➤ *Please also visit the publications page for related research reports*

Telecommunications and Broadcast Strategy and Business Economics

- Wireless market advisory: Suppliers, service providers, key patent holders, penetration by technology and country, market projections, competitive analysis
- Subject matter expertise for financial analysts, investors, and management consulting companies
- Analog-to-digital high definition television: Technical and economic advisory
- Strategy: Corporate, market, product, and partner/channel strategy
- Strategy: Asset monetization, services definitions by technology selection (deployed and future)
- Business planning
- Merger/acquisition (M&A) and divestiture: Outlook, advice, and due diligence
- Support with investor presentations
- Technical support for the development, analysis, or validation of business plans
- One-on-one executive educational/advisory briefings
- Wireless handsets: Technology landscape, services, application environments and operating systems, next-generation SIM cards, competitive analysis of software vendors, mobile operator handset strategies, pricing, and trends

Related training curricula: Telecom for Special Audiences

2G to 3G to 4G Migration

- 2G/3G/4G technology/vendor assessment and comparison
- Development and analysis of migration plans, both RF and core networks
- Handset technology, players, services and pricing outlook for 3G networks

Related training curricula: Training on 2G, 3G, and 4G wireless technologies and related topics

Convergent Networks

- Design and analysis of optical links and networks, including DWDM and SONET/SDH
- Design and analysis of digital transmission systems including coding and modulation
- Fixed network optimization (both transport and switching)
- Technology migration, both RF and core network

- IMS design, vendor selection, consulting, deployment
- MPLS design
- VoIP migration planning, requirements definition, and design
- Audit of VoIP security policies and procedures
- IP PBX selection process: Requirements definition and RFP assistance
- IP-based contact center: Requirements planning, selection process, RFP assistance, and design
- Contact center optimization: Customer experience and process improvement
- Multi-channel contact centers: Conversion of call centers to multi-channel by optimizing technology; design and RFP assistance
- Speech recognition: Conversion of existing voice response systems to speech recognition; requirements planning, RFP assistance, and script writing
- Design and analysis of wide area networks, including Frame Relay, ATM, IP, MPLS, etc.

Related training curricula: IP/Data Networks, Convergence curricula

Wireless Communications: Mobile, Fixed, Satellite, HF/VHF, Microwave

- RF network dimensioning, planning, design, and optimization for 2G, 3G, and 3xxG/4G networks: iDEN™, CDMA, GSM, GPRS, EDGE, UMTS, HSDPA, HSUPA, 3G LTE/4G, WiMAX, cdma2000 (1xRTT, EVDO)
- RF propagation modeling and analysis of wireless channels
- Interference analysis
- Coverage and capacity planning
- Wireless network performance drive-testing and post-processing/analysis of test data
- Design and analysis of wireless links and networks, including cellular, land mobile radio, WiFi, WiMax, etc.
- Design and analysis of public safety wireless communications
- Fixed network optimization, both transport and switching
- Line-of-sight microwave link analysis and design
- Hardware/software: Design and development of wireless devices and applications
- Process design and implementation
- Network efficiency and performance auditing

Related training curricula: Wireless technologies curricula

Regulatory, Law, and Forensics

- Assistance with the review and interpretation of telecommunications regulation
- Technical representation with the FCC
- FCC spectrum auctions: Regulatory, legislative, technical, and economic advisory
- RF safety measurement and assessment
- Development of RF safety plans
- Technology/market advice and expert witness service in support of patent litigation
- Technical support of law enforcement and homeland security efforts

Related training curricula:

- Telecom for Special Audiences
- Security, Public Safety, and Law enforcement