

# GREG RATTA

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## SUMMARY

Hands-on manager with 30 years experience spanning hardware design, software development, systems analysis, network planning and operational methods for telecommunications networks. An experienced international technology leader who has demonstrated professional capability to work and lead technical teams for the design and development of new services and technologies. Highly organized, results-oriented individual, who excels with people and communications, which has enabled him to lead the creation of many of the protocol standards associated with most of the network infrastructure deployed in public networks today. Expertise includes:

- Strategic Planning
- Project Management
- Organizational Analysis
- Organizational Leadership
- Network Design
- Network Protocols
- Security Analysis/Design
- CALEA
- Network Operations

## TECHNICAL EXPERTISE

ATM, FR, MPLS, IP, SS7, DSS1, DSS2, NISDN, BISDN, Signaling protocols, CALEA, VoIP, QoS, HTML, MS Office, MS Project, Adobe Photoshop, Adobe Illustrator, Corel Paint.

## PROFESSIONAL EXPERIENCE

**Tridea Works, Inc., Fairfax, VA**

**November, 2003 – present**

### Principal Consulting Engineer

Responsible for assisting clients achieve objectives through the creation of relevant technical standards.

- Consultant to the CALEA Implementation Unit of the FBI on the technical design challenges and alternatives for electronic surveillance of the emerging telecommunications technologies.
- Consultant to the National Communications System on technical standards support for the provision of national security and emergency preparedness communications.
- Continued leadership roles in national and international standards development organizations, in particular as chairman of T1S1 Lawfully Authorized Electronic Surveillance AHG.

**Bell Laboratories (Lucent Technologies), Holmdel, NJ**

**May 1997 – October 2003**

### Senior Consultant, Network Planning

2002 – 2003

Responsible for developing new sources of revenue through professional services.

- Performed threat analysis of Federal Reserve Bank network, and the nation's oil and gas production / distribution system, through an innovative approach to publicly available information.
- Defined systems support requirements and methodology for consultative service related to MPLS-based infrastructure design and performance optimization.
- Continued leadership roles in ITU-T and T1S1, as noted below.

### Manager, Networking Standards

1997 – 2002

Responsible for guiding project teams from multiple Business Units define Lucent's data networking standards strategy. Also responsible for leading corporate teams in public forums to set and achieve objectives within those forums. International technology leader, whose elected positions include:

- Chairman of The ATM Forum Technical Committee (1997 – 1999)
- Vice-Chairman of ITU-T SG 11 (Signalling & Services) (2000 – present)
- Vice-Chairman of ITU-T WP 1/11 (Broadband Signaling) (1996 – 2000)
- Chairman of ITU-T WP 2/11 (Requirements for IP and Advanced Network Applications) (2000 – present)
- Chairman of T1S1.7 (Services, Architecture and Control) (1994 – 2000)
- Vice-Chairman of T1S1 (Services, Architecture and Signaling) (2000 – present)

**Bellcore, Red Bank, NJ****January 1984 – April 1997**Principal Consultant, Broadband Switching and Signaling Requirements

1993-1997

Responsible for standards management of Bellcore's public fora participation defining Broadband technology, while continuing international leadership in ITU and leadership of T1S1.5 Network and Services Group. Also active in ATM Forum, where served as editor of UNI 3.1 specification. Participation in team preparing generic requirements for Broadband Switching Systems and Signaling protocols. Led multi-organizational team to analyze long-term evolution of network signaling; effort resulted in industry foundation for integration of IN and B-ISDN.

Director, ISDN Data Requirements

1987 - 1992

Responsible to lead a team of engineers in the creation of technical requirements for ISDN in support of data communications, including frame-mode, packet-mode and circuit-mode switched services. Significant interaction with product teams and the industry at large was critical to the successes of this job. A representative accomplishment is the creation of the "ISDN Applications Catalog," which brought the technology within reach to telecommunications consumers and others. During this period, served as the CCITT Special Rapporteur for Frame Relay data transfer protocols, and as the Special Rapporteur for the Signaling ATM Adaptation Layer.

Director, Switching Technical Analysis

1986 - 1987

Responsible for managing a team of 40 engineers in the Design Analysis of the Siemens EWSD.

Director, Switching Operations Systems Engineering

1984 - 1985

Responsible for specifying requirements of operations systems and the operations requirements for network equipment, including LADT (X.25), STPs and SCPs.

**Bell Laboratories, Piscataway, NJ****August 1979 – December 1983**Group Supervisor, TAS Development

1982 - 1983

Responsible for leading a team of 18 in the development of IMS programs incorporated into the TAS component of the TIRKS operations support system.

Member of Technical Staff, TIRKS Systems Engineering

1979 - 1982

Responsible for the specification of requirements for inventory and provisioning of new network technology within the TIRKS product.

**GTE Automatic Electric Laboratories, Phoenix, AZ****May 1978 – July 1979**Member of Technical Staff, GTD 5EAX

1978 - 1979

Responsible as group leader of software tool smiths supporting the development of the GTD 5EAX product.

**Bell Laboratories, Naperville, IL****April 1976 – April 1978**Member of Technical Staff, TSPS

Responsible for hardware and software design and development of real time systems supporting new operator services.

**Bell Laboratories, Piscataway, NJ****July 1974 – April 1976**Member of Technical Staff, FACS

Responsible for systems analysis functions within the computer center. (Also includes education as full time graduate student from 9/1974 through 8/1975.)

**EDUCATION**

**BS**, Electrical Engineering, Newark College of Engineering, Newark, NJ, 1974

**MS**, Electrical Engineering: Computer Engineering, Stanford University, Stanford, CA, 1975

NJ Board of Professional Engineers **EIT**, Registration #12814, 2002