



ANDREW M. WALDING
PRESIDENT & FOUNDER, CELLSTREAM, INC.

Mr. Walding is the President and Founder for CellStream, Inc. Telecommunications and Computing Consultants (www.cellstream.com). Mr. Walding specializes in packet networking, TDM networking, convergence, and computing solutions analyzing complex corporate systems, processes and networks. Mr. Walding has over 25 years experience in business, development life cycle program development and management, complex technical Telecommunications Systems and Technologies, Security, Transmission, Switching and Access systems. The focus of this expertise is in the Software and Computing technologies implemented in complex systems and networks. In all of his varied roles, he has maintained a focus on emerging technologies: how new technologies are implemented (in terms of both products and services), as well as how emerging technologies effect and enable performance and compliance in national and international business opportunities.

Mr. Walding began his career in satellite communications. He developed and engineered several RF products, was responsible for the design and installation of a satellite network control center using VSAT (very small aperture terminal) spread-spectrum technology. In his next position, Mr. Walding directed field service, customer service, and network operations for a regional office of a major news and information services provider: REUTERS INFORMATION SERVICES. In this capacity, he developed strategies and technical implementations for enterprise networks including a private, secure CATV Broadband network in San Francisco, CA.

Later, Mr. Walding joined DSC Communications Corporation, where he has filled a number of positions. He began as Product/Program Manager for the digital cross-connect products, and successfully positioned them for acceptance at MCI, the RBOCs and other major carriers. As Senior Product Manager for the Integrated Multiservice Transport Node (iMTN), he co-chaired two international collaborations for combined SDH and SONET standards and redefined the corporate life cycle process to attain ISO 9000 certification. As Director, he managed the development of a Digital Loop Carrier product "Litespan 120", defining the product, and he revolutionized the methods for deployment, project, and business plans cutting development times by 50% and costs by 80%. As Senior Director, Engineering, Mr. Walding lead and managed the DSC engineering program for wireless local loop efforts in the United Kingdom, AIRSPAN, using point-to-multipoint CDMA / Spread Spectrum technologies, and advanced object oriented software techniques. In his final position with DSC as Senior Director, ATM / Frame Relay Group, he was responsible for developing an ATM and Frame Relay

program which met customer's networking needs with extremely rapid program development times and low cost. Mr. Walding mastered ATM / Frame Relay / IP interworking requirements and assisted in establishment of OEM arrangements, agreements for hardware, software, and corporate partners.

Following this comprehensive history of hands-on technical and business experiences, and his software and hardware technical acumen, Mr. Walding began CellStream, Inc., a telecommunications consulting firm based in the Dallas/Ft. Worth, TX metroplex. He also has been an industry author, educator, and speaker authoring many detailed technical training courses (instructor led and e-learning) and has trained thousands of fellow telecommunications professionals in emerging technologies.

Mr. Walding has four US patents and one patent pending, on subjects of wireless call bandwidth allocation, network access adapters, an ATM/FR interoperating system and signaling between elements of a communications network. He has three certifications: Communications Technology Analyst, University of Colorado and NTT1, National Association of Communications Systems Engineers, and Cisco Systems certification.

KEY HIGHLIGHTS

- Has over 25 years experience in corporate process, software, data and telecommunications engineering, network implementation and management, and product development of ATM/Frame Relay switching, access products, transmission systems and network management products
- Has four issued patents and one patent pending in telecommunications architectures and methodologies
- On the Faculty for Telecommunications Research Associates as a technology instructor and instructional designer having written multiple courses in industry leading technologies such as MPLS/GMPLS, MPLS VPNs and IP Optical Networking
- Led an engineering team through development and customer acceptance of one of the first production ISDN capable CDMA wireless local loop systems, based in Europe as an expatriate
- Led engineering efforts for an international FITL system utilizing V5.1/V5.2 digital concentration techniques and was a team leader for engineering design of a very large SONET/SDH broadband cross-connect system utilizing latest ASIC and optical technologies
- Directed all Field Service, Customer Service, and Network Operations activities for the North American Western Region of a major news and information provider and developed and implemented industry leading packet technologies, strategies in downtown San Francisco

Mr. Walding has served as both a consulting expert and testifying Expert Witness in the following legal matters:

- Alcatel v. Cisco, Cisco v. Alcatel, Alcatel v. Cisco (cases involving a) the alleged stealing of intellectual property, trade secrets and software code, b) anti-trust)
- BMC Software v. Crabby Hacker (case involving the alleged stealing of software code)

The above is a condensed version of Mr. Walding's biography. An expanded version is available upon request.