



# THE 1997 RSA DATA SECURITY CONFERENCE

## SPEAKER BIOGRAPHY

### DEVELOPERS' TRACK

Panel: Securing ATM

Speaker: **Joyce Capell**

Network Security Systems Engineer

Lockheed Martin Telecommunications Org.

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### Company Background:

Lockheed Martin Telecommunications is a new player in the global telecommunications industry. This new business unit will leverage Lockheed Martin's extensive technological resources to meet the rapidly expanding domestic and international demand for space-based telecommunications services and products.

### Presentation Overview:

The Lockheed Martin CalREN ATM encryption testing program was conducted as part of California Research Education Network (CalREN). The CalREN ATM testbed provided the means to assess the risks resulting from changing to an ATM cell switching infrastructure from a packet switched "firewall-based" network infrastructure. Two prototype ATM end-to-end encryptors were tested under the CalREN program: 1) "MILKBUSH" a prototype encryptor developed by NSA and 2) A commercial prototype ATM encryptor developed by Sandia National Labs, NM. Lessons learned from the testing program as well as recent developments in ATM network security will be explored.

### Speaker Background:

Joyce Capell has recently taken a position as Senior Staff System Engineer with Lockheed Martin Telecommunications Company, supporting the Astrolink commercial ATM satellite program. Prior to moving to LM Telecommunications, Ms. Capell worked for LM Missiles and Space Co. (LMMS) where, as part of her responsibilities, she served as the Project Leader for the LM CalREN ATM network trial. During her career at LMMS, Ms. Capell supported numerous LM organizations as a Network Security Systems Engineer. Her responsibilities most recently included developing an encryption strategy for the LM Corporate Intranet. She has also supported government classified programs, including Project Management of a testing program for the Motorola Network Encryption System (NES).

**PRESENTATION**