



**Wednesday, September 22, 2004  
1:00 PM– 5:00 PM**

### **(13) SPACE PLANNING CONSIDERATIONS FOR NETWORK PROFESSIONALS**

#### **Tutorial Description**

Network integrity and capital utilization demand productive use of central office real estate. Effective space planning assures the network center is properly engineered as equipment is added, removed and replaced. Poorly planned space utilization can reduce a product's design life; increase the maintenance cost, and hamper future equipment installations. Network engineers and planners need effective strategies for legacy systems, present technology and emerging technologies while planning for floor loading, aisle space, front and rear access, heat dissipation, cable management, power and ground systems.

*Space Planning Considerations for Network Professionals* examines the space planner's role in the engineering and administration of floor space for switching, transport, power and collocated areas; as well as for heating ventilating and cooling (HVAC) systems. The tutorial will highlight issues concerning the space planning process and the technical considerations involved in engineering an equipment area.

#### **Tutorial Level and Benefits**

This tutorial requires a basic to intermediate level knowledge of space planning and is intended for telecommunications professionals beginning work in a space planning role or interfacing with the space

planners in their job responsibilities. Others who should attend include central office engineers or managers with responsibility for the installation and maintenance of equipment. The course also holds value for installation vendors and quality assurance engineers with responsibilities for quality processes and audits.

#### **About the Presenter**

Richard J. Gemra is currently a Consultant for Dan Mc Menamin and Associates involved in space planning, NEBS compliance, installation quality reviews and technical training. Rich was previously a Member of Technical Staff at Lucent Technologies in the Broadband Access Systems Group. His responsibilities included the development of compliance programs for central office and outside plant equipment covering national and international requirements. Rich has been granted seven US patents for telecom product designs. He is a member of the ANSI T1E1.8 committee where he previously held the position of vice chairman and is also a member of the Earthquake Engineering Research Institute. He holds a Master of Science Degree from Steven's Institute of Technology and a Bachelor of Science from New Jersey Institute of Technology in Mechanical Engineering.