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017: Strategic Fundamentals of Telecommunications - 6.0 CEUs

CEU: 6.0 **Duration:** 18hours 10minutes **Tuition:** $5,700

Course Banner

Teachers:

- Nandini Gupta (PhD, Associate Professor of Finance, Kelley School of Business, Indiana University)

Course Topics:

- Cyber/information Security
- Regulation Managers

Program Locations & Dates:

- Amsterdam, Netherland: Aug 3-7
- Dubai, UAE: Oct 5-8

Program Tags:

- Telecommunication

About Course

This course in Strategic Fundamentals of Telecommunications is designed to equip telecommunications professionals with a strong foundation in international telecom operations, regulation, and carrier relations. It offers practical insights into the commercial and operational frameworks that shape global telecommunications infrastructure and services.

Course Overview

This training program provides participants with a global vision of the Strategic Fundamentals of Telecommunications. Participants will develop practical skills in managing international carrier relations, traffic routing, settlements, and interconnection practices while gaining a robust understanding of international regulations and commercial arrangements.

Course Objectives

- Provide a good understanding of the global telecommunications regulatory environment and its impacts on the business of operators, regulators, and policy-makers
- Present the main international telecommunications organizations, operators, facilities, codes, and services
- Explore the various commercial arrangements and concepts for the exchange of international traffic
- Equip participants with the fundamental concepts of international settlements

- Provide key knowledge and develop basic analysis skills of international traffic
- Present the role and structure of a carrier relations group

Target Audience

- Telecommunications officers, deputy managers, managers and personnel responsible for international carrier relations, settlements, routing and traffic
- Managers looking to complement their skill set by gaining a good understanding of international telecommunications

Course Outline

- Global and Competitive Telecommunications Environment
- Key International Organizations
- International Facilities
- International Services
- Carrier Relations
- International Commercial Arrangements and Concepts
- Traditional ITU and Other Settlement Methods
- Alternative Routings for International Traffic
- International Traffic

Why This Course Matters

Rajiv Mehta
Telecom Policy Analyst, India
"This course helped clarify regulatory and settlement complexities I encounter in cross-border telecom operations. Very relevant and timely."

Maria Gonzalez
International Settlements Officer, Mexico
"Understanding global telecom commercial frameworks changed how I negotiate routes and pricing. I gained tremendous value from the case exercises."

Kofi Osei
Telecom Advisor, Ghana
"A must for any regulatory or international telecom official. The clarity this course offers around global telecom processes is unmatched."

Course Content

Module 1: Global Telecom Landscape and Regulatory Environment
Gain a strategic understanding of the international telecommunications ecosystem and key global influences.

- **Overview of the Global Telecom Environment**
- **Telecom Competition and Market Trends**
- **Regulatory Structures and Compliance**

Module 2: International Telecom Organizations and Services
Explore the roles of key international bodies and their impact on telecom operations.

- **Key Players: ITU, GSMA, and Regional Bodies**
- **International Codes, Facilities, and Standards**
- **Global Telecom Service Models**

Module 3: Carrier Relations and Commercial Arrangements
Understand the fundamentals of carrier relationships and traffic agreements.

- **Role of the Carrier Relations Group**
- **Traffic Exchange Agreements**
- **Commercial and Routing Considerations**

Module 4: International Settlements and Routing Strategies
Dive into telecom settlements and optimize routing efficiency.

- **Settlement Mechanisms and ITU Models**
- **Billing and Reconciliation Procedures**
- **Alternative Routing Strategies**

Module 5: Spectrum, Infrastructure & Future Trends
Address spectrum planning, new technologies, and the future of telecom regulation.

- **Spectrum Management and Auction Models**
- **Emerging Technologies: 5G, VoIP, WIMAX**
- **Strategic Planning for Next-Gen Networks**

Module 6: Action Planning and Real-World Application
Develop a strategic action plan tailored to your telecom institution or agency.

- **Drafting an Institutional Telecom Action Plan**
- **Peer Review and Feedback Roundtables**
- **Implementation and Evaluation Tools**

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Certificate of Completion

Participants who successfully complete the **Strategic Fundamentals of Telecommunications** course will receive a Certificate of Completion. This certificate affirms their proficiency in the principles and strategies of international telecommunications, and demonstrates their readiness to lead or contribute meaningfully within regulatory bodies, service providers, or policy-making institutions. It stands as an official acknowledgment of their enhanced expertise in carrier relations, settlements, infrastructure management, and telecom planning.

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