TCN-6430 Networks Management and Control Standards

Catalog Description

Prerequisites
TCN-5030 or equivalent.

Type
Required for MSTN
System Administration Track Course for MSIT

Course Objectives
This course provides students with a comprehensive view of the network management problem, including its concepts, challenges, dimensions, models and techniques. It covers the network management technologies (e.g., SNMP) widely used today, and also introduces students to the emerging technologies (e.g., OpenFlow) and research in the field.

Topics
Review of important network elements
Scope and challenges of network management
ISO Telecommunications Management Network model and framework for network management (FCAPS)
Simple Network Management Protocol (SNMP)
Software Defined Networking, OpenFlow

Textbook
Required:
None

Recommended:
Alexander Clemm, Network Management Fundamentals, (Cisco Press, 2006)

Last Update
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