

# Course overview

## Network+ Bridge Certification (2005 to 2009 Objectives)

(G521eng)



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### Overview and objectives

This course is intended for those wishing to update their CompTIA Network+ Certification obtained for the 2005 objectives (N10-003 exam code) with the 2009 edition using the specially designed bridge exam (BR0-002). Updated certification will benefit those working in environments that conform to ANSI and ISO standards.

This course provides an overview of developments in network technologies and detailed content to cover the topics tested in the Bridge Exam.

### Course contents

The course is presented in downloadable ebook format, containing indexed notes and review questions, exam objectives mapping, exam information, and a comprehensive glossary. The course also comes with an online practice exam.

- **Network Technologies Domain** • Domain Objectives/Examples • Conferencing and VoIP Protocols (SIP / RTP) • Broadcast, Multicast, and Unicast • Classful versus Classless Addressing • Network Address Translation • IP Version 6 • Routing Protocols • Wireless Communication Standards
- **Network Media and Topologies Domain** • Domain Objectives/Examples • Network Topologies • Selecting Network Cable • Serial Cable • Coaxial Cable • 10G(igabit) Ethernet • Telecommunications Networks • Installing Network Infrastructure
- **Network Devices Domain** • Domain Objectives/Examples • Network Adapters • Intranetwork and Internetwork Devices • Setting Up a Wireless Network • Installing Modems • Advanced Features of Switches • Performance Management Appliances • Configuring DHCP • Configuring DNS
- **Network Management Domain** • Domain Objectives/Examples • Configuration Management • Network Monitoring • Escalation • Troubleshooting Common Connectivity Scenarios
- **Network Tools Domain** • Domain Objectives/Examples • Command Line Interface Tools • Network Mappers and Port Scanners • Cable Testing Tools
- **Network Security Domain** • Domain Objectives/Examples • Security Threats and Mitigation Techniques • Secure Network Topologies • Firewalls and Proxy Servers • Intrusion Detection Systems • Encryption and PKI • Network Access Control • Remote Administration Tools
- **Labs**
- **Answers to Review Questions**
- **Glossary**
- **Index**