

# Changes in Cisco CCNA Certification Exams

**Last Updated 29 March 2013**

On March 26, 2013, Cisco introduced new certification exams for ICND1, ICND2, and Cisco CCNA® Composite. The updates include comprehensive troubleshooting, IPv6, and the latest Cisco® routing and switching technology and software. The exams are changing to reflect the evolution of industry job roles. Exam 640-822 ICND1 is being replaced by 100-101 ICND1, exam 640-816 ICND2 is being replaced by 200-101 ICND2, and exam 640-802 CCNA is being replaced by 200-120 CCNA.

In the past, the Cisco Networking Academy® program has been able to negotiate an extension of certification exams for NetAcad™ students. However, to conform to American National Standards Institute (ANSI) accreditation requirements, which provide a global benchmark for personnel certification programs, Cisco must now set the same certification end-of-life date for everyone, including Cisco Academies. You can find additional information on the ANSI accreditation of Cisco certifications in the [news release](#) Cisco issued.

The current exams will end-of-life on 30 September 2013. In order for the current exams to apply towards the CCNA Routing and Switching certification, you must take and pass the current exam(s) on or before 30 September 2013, as shown in Table 1.

**Table 1.** Current and New CCNA Certification Exams

Current Exam	Current Exam End-of-Life Date	New Exam
640-822 ICND1	30-SEP-2013	100-101 ICND1
640-816 ICND2	30-SEP-2013	200-101 ICND2
640-802 CCNA	30-SEP-2013	200-120 CCNA

NetAcad is committed to supporting our students and instructors to prepare for the new certification exams by providing appropriate guidance. As the new CCNA Routing and Switching courses become available, our plan is to provide delta information with details on the extent of changes to help students who completed CCNA Discovery or CCNA Exploration courses know what additional topics they need to learn. We also plan to provide instructors with recommended content from the new CCNA Routing and Switching curriculum they can add into CCNA Discovery or CCNA Exploration courses to help prepare students for the new certification exams during this transition.

We encourage and appreciate instructors' feedback and efforts to help us address the knowledge gap for our students—to not only be prepared for the certification exams but to learn new skills that will help them be successful in their careers. As you know, we will have new and exciting contents to teach and learn, such as IPv6, IOS 15.x, HSRP, and EtherChannel.

The following pages contain tables that identify exam topics that have been either removed from, or added to, the new ICND 1 and ICND2 exams.

Table 2 identifies exam topics that have been removed from the new ICND1 100-101 exam.

**Table 2.** Topics Removed from the ICND1 Exam

Exam Topics	Description
Securing the Network	Removed—covered by CCNA Security exam
Understanding the Challenges of Shared LANs	Removed
Solving Network Challenges with Switched LAN Technologies	Removed
Wireless LANs	Removed—covered by CCNA Wireless exam
Using Cisco Security Device Manager (SDM)	Removed
Configuring Serial Encapsulation	Removed
Enabling Routing Information Protocol (RIP)	Removed

Table 3 identifies content that has been added to the new ICND1 100-101 exam. Students are encouraged to learn these topics before attempting to take the ICND2 200-101 exam or other associate-level exams.

**Table 3.** Topics added to the ICND1 Exam

Exam Topics	Description
Implementing Variable-Length Subnet Masks (VLSM)	New—moved from ICND2
Scaling the Network with Network Address Translation (NAT) and Port Address Translation (PAT)	New—moved from ICND2
Managing Traffic Using Access Control Lists (ACLs)	New content
Implementing VLANs and Trunks	New—moved from ICND2
Routing Between VLANs	New—moved from ICND2
Implementing single area OSPF	New content
Introducing Basic IPv6	New content
Understanding IPv6	New content
Configuring IPv6 Routing	New content

The ICND2 exam has been redesigned. Table 4 identifies exam topics that have been removed from the new ICND2 200-101 exam.

**Table 4.** Topics Removed from the ICND2 Exam

Exam Topics	Description
Routing Between VLANs	Removed—covered by ICND1
Securing the Expanded Network	Removed—covered by CCNA Security
Implementing VLSM	Removed—covered by ICND1
Scaling the Network with NAT and PAT	Removed—covered by ICND1

Table 5 identifies content that has been added to the new ICND2 200-101 exam.

**Table 5.** Topics added to the ICND2 Exam

Exam Topics	Status
Troubleshooting VLAN Connectivity	New content
Understand Spanning Tree Protocol	New content
Understand and configure Etherchannel	New content
Understand Layer 3 Redundancy Protocols	New content
Troubleshooting IPv4 Network Connectivity	New content
Troubleshooting IPv6 Network Connectivity	New content
Implementing EIGRP	New content
Troubleshooting EIGRP	New content
Implementing EIGRP for IPv6	New content
Multi-area OSPF IPv4 Implementation	New content
Understanding and configuring OSPFv3	New content
Understanding and configuring clients for SNMP, Syslog, and Netflow	New content
Managing Cisco devices	New content
Understanding and verifying Cisco licensing	New content



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