Deputy of training
Plan and curriculums office

Competency Training standard

Title

Cisco Certified Network Professional

(CCNP TShoot)

Occupational group

Information Technology (IT)

International code

۱_۱۰۵_۵۳_۲۵۱۳

Date of standard compilation: ۲۰۱۵/۰۵/۱۸

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Revision Process:

- Scientific content
- According to market
- Equipment
- Tools

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٤						
٥						
٦						

<u>Definitions</u>:

Job standard:

The characteristics ' required competencies and abilities for Efficient Performance in work environment is called "the Job standard", and sometimes "The Occupational standard"

Training standard:

The Training Map for achieving the Job's subset Competencies.

Job title:

Is a set of Tasks and Abilities which is expected from an employed person in the defined level

Job description:

A statement covering the most important elements of a job, namely the position or title of the job, the duties, job's relation with other jobs in a occupational field, the responsibilities, workplace conditions and required performance standards.

Course duration:

The minimum of time which is required to achieve the training objects.

Admission requirements:

The minimum of competencies and abilities which are obligatory for a potential admission.

Evaluation:

The process of collecting evidence and judgment about wetter a competency is achieved or not. Include: written examination, practical examination

Required Qualifications for Trainers:

The minimum of Trainer's technical and vocational abilities which the trainer is required to have.

Competency:

The ability of efficient performing a duty in a variety of workplaces conditions

Knowledge:

The minimum set of facts and mental capacities which is necessary for achieving a competency. This can include science, (Mathematics, physics, chemistry or biology), technology or technical.

Skill:

The minimum coordination between mind and body for achieving an ability or competency. It normally applied to practical skills.

Attitude:

A set of emotional behaviors required for achieving a competency and can have non-technical skills and occupational ethics.

Safety:

The cases which doing or not doing something can cause harm or accident

Environmental Consideration:

A set of consideration about the act which should be done to minimize the environmental damage or pollution.

competency title:

Cisco Certified Network Professional (CCNP TShoot)

competency description:

Cisco Certified Network Professional (CCNP) Routing and Switching certification validates the ability to plan, implement, verify and troubleshoot local and wide-area enterprise networks and work collaboratively with specialists on advanced security, voice, wireless and video solutions. The CCNP Routing and Switching certification is appropriate for those with at least one year of networking experience who are ready to advance their skills and work independently on complex network solutions. Those who achieve CCNP Routing and Switching have demonstrated the skills required in enterprise roles such as network engineer, support engineer, systems engineer or network technician. The routing and switching protocol knowledge from this certification will provide a lasting foundation as these skills are equally relevant in the physical networks of today and the virtualized network functions of tomorrow.

Overview

TSHOOT v٢.٠, ٥ day ILT, includes major updates and follows an updated blueprint. However, note that this course does not cover all items listed on the blueprint. Some older topics have been removed or simplified, while several new IPv٦ routing topics have been added. Course content has been adapted to Cisco IOS Software Release ١٥ and technically updated. The course also introduces new type of labs, called discovery labs. Discovery labs are instructor guided labs through which student explores new topics in an interactive way. All labs are developed only as virtual labs. This course is a component of the CCNP curriculum.

admission requirements:

minimum degree of education: Post first year of high school
minimum physical and mental ability:-
prerequisite skills: Cisco CCNA Routing and Switching certification, The CCNP Routing and Switching certification is appropriate for those with at least one year of networking experience

Course duration:

Course duration : ٤٠ hours

Evaluation :(%)

Troubleshooting and Maintaining Cisco IP Networks (TSHOOT)

Exam Number	300-135 TSHOOT
Associated Certifications	CCNP Routing and Switching
Duration	120 minutes (15-25 questions)
Available Languages	English
Register	Pearson VUE
Exam Policies	Read current policies and requirements
Exam Tutorial	Review type of exam questions

Required Qualifications for Trainers:

CISCO CCNP degree holders with ٢ years experiences

competency training standard tasks	
١	Network Principles
٢	Layer 2 Technologies
٣	Layer ٣ Technologies
٤	VPN Technologies
٥	Infrastructure Security
٦	Infrastructure Services

Training standard
Contents analysis form

Title:	time			
	theoretical	practical	total	
Network Principles	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: Use Cisco IOS troubleshooting tools Apply troubleshooting methodologies	Determined by the instructor			From **CISCO**
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard
Contents analysis form

Title: **Layer 2 Technologies**	time			
	theoretical	practical	total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: Troubleshoot switch administration Troubleshoot Layer 2 protocols Troubleshoot VLANs Troubleshoot trunking Troubleshoot EtherChannels Troubleshoot spanning tree Troubleshoot other LAN switching technologies	Determined by the instructor			From **CISCO**
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard
Contents analysis form

Title: **Layer ۳ Technologies**	time			
	theoretical	practical	total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: Troubleshoot IPv4 addressing and sub netting Troubleshoot IPv6 addressing and sub netting Troubleshoot static routing Troubleshoot default routing Troubleshoot administrative distance Troubleshoot passive interfaces Troubleshoot VRF lite Troubleshoot between any routing protocols or routing sources Troubleshoot policy-based routing Troubleshoot RIPv2 Troubleshoot EIGRP Troubleshoot OSPF Troubleshoot BGP	Determined by the instructor			From **CISCO**
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard
Contents analysis form

Title:	time			
VPN Technologies	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: Troubleshoot GRE	Determined by the instructor			From **CISCO**
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard
Contents analysis form

Title:	time			
Infrastructure Security	theoretical	practical	total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill:	Determined by the instructor			From **CISCO**
Troubleshoot IOS AAA				
Troubleshoot device access control				
Troubleshoot router security features				
Attitude:				
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the workplace				
Environmental Consideration:				
Compliance with environmental protection				

Training standard
Contents analysis form

Title: **Infrastructure Services**	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: Troubleshoot device management Troubleshoot SNMP Troubleshoot logging Troubleshoot Network Time Protocol(NTP) Troubleshoot IPv4 and IPv6 DHCP Troubleshoot IPv4 Network Address Translation (NAT) Troubleshoot SLA architecture Troubleshoot tracking objects	Determined by the instructor			From **CISCO**
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Equipment & Tools & Materials & Resources (books, site, software…**)** form
   *Required quantity for each ١٥ Trainees

   From CISCO