## Occupation: Information Technology Generalist ONET Code 15-1151.00 RAPIDS Code 1059 OCCUPATIONAL OVERVIEW Potential Job Titles: IT Generalist, Network Manager, Network Support Technician, Network Administrator, IT Administrator, Help Desk Specialist, IT Technician, IT Professional, IT Technical Support Professional Occupational Context: The IT generalist provides a large number of support functions, particularly if he or she works in a small-to medium-size company that has a small IT department with few specialist positions. IT generalists support a variety of functions that range from setting up technology for employees, to maintaining internal networks, supporting telework functions and providing help desk support. This position works with a variety of individuals, including IT colleagues, staff at all levels within an organization, external clients and vendors. Occupational Purpose: Maintains functioning information technology equipment and networks, provides support to technology users, ensures security of information and IT infrastructure and upholds company policies regarding use, security and redundancy of data. Occupational Pathways: An individual may begin an IT generalist apprenticeship having had little to no formal IT education or training; however, typically such an individual will be an IT hobbyist or enthusiast and enjoy working with technology. IT generalists can move into leader and manager positions and with additional training can specialize in particular areas within information technology. Often times vendor certifications are required to move into more specialized or advanced positions. Attitudes & Behaviors - IT generalists must have strong communications and customer service skills, must understand technology and be able to troubleshoot faults, must think logically and analytically, must be able to learn quickly and must be patient. Prerequisites for Apprenticeship: Certification or Licensure Credential Awarding Body Timing Before, During or After Multiple vendor certifications available Microsoft, Cisco, CompTIA, software/ During or after hardware vendors Trade Associations and Labor Organizations Size of Current Workforce: 586,000 Number of additional job openings predicted (2014-2024): 150,500 Median Salary (2015): \$48,620 Job Function 1: Sets up and removes employee or client workstations or devices, including setting up access Basic controls Job Function 2: Installs, provides user support for, or troubleshoots hardware and commercial software Basic Job Function 3: Supports internal or external clients in the use of audio/visual technology and conference Optional technology Job Function 4: Installs, maintains and troubleshoots networks Basic Job Function 5: Makes minor software modifications to improve performance or customize to user needs Intermediate Job Function 6: Assists in maintaining or updating web content and manages user access profiles and Optional

Job Function 7: Monitors and helps maintain network security by adhering to security policies

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ial	Effectiveness Competence	ies								
	Relevance (Using Lumina Beta Credentials Framework)	0	1	2	3	4	5	6	7	8
	Interpersonal Skills			X						
	Integrity			X						
	Professionalism			X						
	Initiative		X							
	Reliability			X						
	Dependability & Reliability				X					
	Adaptability & Flexibility		X							
	Lifelong Learning				X					
nie	c Competencies									
	Relevance (Based on Lumina Beta Credentials Framework)	0	1	2	3	4	5	6	7	8
	Reading				X					
	Writing		X							
	Mathematics		X							
	Science & Technology			X						
	Communication			X						
	Critical & Analytical Thinking				X					
	Basic Computer Skills				X					
lac	ee Competencies									
	Relevance (Based on Lumina Beta Credentials Framework)	0	1	2	3	4	5	6	7	8
	Teamwork		+		X		+		+	$\top$
	Customer Focus				X					
	Planning & Organization		X							
	Creative Thinking			X						

Problem Solving & Decision Making			X			
Working with Tools & Technology			X			
Scheduling & Coordinating		X				
Checking, Examining & Recording			X			
Business Fundamentals		X				
Sustainable Practices	X					
Health & Safety	X					

Certifications Required to Work in the Field	
CompTIA Strata	
CompTIA A+	
Cisco Essentials	
Microsoft XP/Vista	
CIW	
Linux	
Foundational Instruction - this section lists courses that provide cross-cutting instruction that may not related to a particular job function, but that may apply to the occupation as a whole.	

WORK PROCESS SCHEDULE Technology Generalist	Information		ONET Code	15-1151
Job Title:				
Apprenticeship Type: Competency Based				
Minimum Time Requirements: This framework is designed to support an expectation that most apprentices will require 18 months to complete the		nat lasts from 12 to	o 24 months, v	with the
Required Certifications: Multiple vendor-specific certifications exist, but recommended that employers determine which certifications they require			es, our adviso	ry board
JOB FUNCTION		Core/ Optional	OJT	RI
JOB FUNCTION 1: Sets up and removes employee or client workstations or devices, including setting up access controls		Core		
Sets up desktop, laptop and other devices for employees		Core		
Installs software on network or individual users' computers, laptops or devices and sets appropriate access controls or authorities		Core		
Sets up user identifications and passwords and implements policies regarding passwords and user/administrator permissions		Core		
Establishes secure external connections to network or desktops using secure remote access technology		Core		
Installs printers on networks or individual devices Sets up network map, employee folders and centralized data repositories		Core		
Sets up email account for users and establishes storage limits and backup parameters		Core		
Maintains and manages software licenses		Core		
Removes users from network, archives data and files, removes workstations and disables devices for users exiting the organization or prohibited from using IT resources				
JOB FUNCTION 2: Installs, provides user support for, or troubleshoots		Core Core		
hardware and commercial software Uses FAQ's or other job aids to troubleshoot hardware or software faults				
		Core		
Uses logic to discover source of faults and recommends appropriate solutions		Core		
Demonstrates ability to use basic software, including set-up of preferred default settings, instructs other users on the basic features of standard				
software packages, and identifies and remedies typical faults in relevant software packages		Core		
Identifies situations in which the fault must be escalated to a higher-level technology support individual, including an outside vendor		Core		
Contacts outside vendors or vendor-supported help desk to solve difficult problems or procure software patches		Core		
Prioritizes "tickets" or requests for help based on business need, staff hierarchy or urgency of problems		Core		
JOB FUNCTION 3: Supports internal or external clients in the use of audio/visual technology and conference technology		Optional		
Sets up and links audiovisual equipment, including projectors, screens, laptops, cameras and related devices				

Installs, launches, operates and troubleshoots software designed to facilitate presentations, web-based conferencing and audioconferencing		
Tests equipment and software prior to use to ensure sound and video quality is acceptable		
Sets up, schedules and manages web-based or video conferences		
Provides support to users during meetings, conferences or webinars		
Sets up user accounts on voice technologies or systems, including voicemail		
JOB FUNCTION 4: Installs, maintains and troubleshoots networks	Core	
Installs and maintains wired and wireless networks	Core	
Connects devices to networks physically and using remote access technologies	Core	
Installs network security software and devices and monitors system for signs of hacking, intrusion or viruses	Core	
Tests resiliency of security devices or software and monitors bandwidth utilization	Core	
Establishes and sets access levels and permissions based on employees' job roles and company policies	Core	
Assists in setting up, configuring and managing servers including data storage	Core	
Sets up user identification parameters on servers	Core	
Assists in monitoring server use, efficacy of data back-up and storage systems and integrity of redundant systems or technologies	Core	
JOB FUNCTION 5: Makes minor software modifications to improve performance or customize to user needs	Optional	
Surveys user needs to understand what modifications are needed		
Modifies a program within a software package, including securing permission from vendors to do so		
Inserts or loads organizational templates or standards into software, such as presentation templates in PowerPoint or equivalent software		
Monitors computer performance and recommends/makes upgrades or modifications as necessary to improve speed or other performance parameters		
Uses software to set up needed business functions, such as workflows, tracking, archiving or other functions		
JOB FUNCTION 6: Assists in maintaining or updating web content and manages user access profiles and authorities	Optional	
Sets user/author access permissions based on organization's policies		
Uploads new content to organization's website or removes old content as instructed		
Tests functionality of links embedded in the website		
Notifies appropriate person if incorrect, outdated or otherwise problematic content is identified		
Notifies appropriate person if website is not functioning properly  JOB FUNCTION 7: Monitors and helps maintain network security by	Core	
adhering to security policies		

Monitors ac password u	dherence to p pdate interva	assword	d policie	es, inclu	ıding er	nforcement of		Core		
Sets user ac	ccess levels a	nd perm	nissions	based o	on orga	nizational policies		Core		
Monitors an needed	ntiviral softw	are to u	ndersta	nd pote	ntial thi	reats and updates as		Core		
	nds conferend anderstand cu					professionals to nisms		Core		
protect sens	sitive data					ls are utilized to		Core		
						s to access network		Core		
Assists in o	or monitors us es to minimiz	se of bac ze risk	ck-up te	chnolo	gies and	d network		Core		

bb Function 1: Sets up and removes employee or client workstations or devices, including setting up	Level	Required	Optional
RELATED INSTRUCTION			
Working via phone, online chat or in person to set up technology at employee work stations, for remote employees, and on employee devices.			
Skills			
Use of email, chat rooms and phone			
Able to communicate technical information to technical experts as well as non-technical users			
Use of internet			
Set up user email account, calendar and contacts			
Agility and flexibility (if setting up physical workstations or equipment)			
Knowledge & Understanding			
Basic components of computers, computer networks, and ancillary technologies			
Basic understanding of key software packages, such as email, word processing, database and workflow packages			
Intellectual property rights, copyright, licensing and piracy laws and regulations			
Techniques for transporting (in person or by mail/courier) computer hardware and software			
Basic installation procedures	+		
Tools & Technology			
Microsoft Exchange			
Microsoft Exchange Microsoft Office Suite			
Adobe products			
Desktop and laptop computers			
Printers, scanners, projection screens, monitors			
Handheld devicies including smart phones, tablets, etc.			
Competency 1a: Sets up desktop, laptop and other devices for employees	Basic	X	
Performance Standards			
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			_
			_
Competency 1b: Installs software on network or individual users' computers, laptops or devices and sets appropriate access controls or authorities	Basic	X	
Performance Standards			
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Competency 1c: Sets up user identifications and passwords and implements policies regarding passwords and user/administrator permissions  Performance Standards	Basic	X	
r oriorinance orangards			
Competency 1d: Establishes secure external connections to network or desktops using secure remote access technology	Basic	X	
Performance Standards			

		n i	77	
	talls printers on networks or individual devices	Basic	X	
Performance Standar	ds			
Compatency 1f: Sate	up network map, employee folders and centralized data repositories	Basic	X	
Performance Standard		Dasic	Λ	
Performance Standar	us			
Compater 1 - C	s up email account for users and establishes storage limits and backup	Dagia	X	
parameters	up email account for users and establishes storage limits and backup	Basic	X	
Performance Standar	ds			
Competency 1h: Mai	intains and manages software licenses	Intermediate	X	
Competency 1h: Mai		Intermediate	X	
		Intermediate	X	*******
		Intermediate	X	
Performance Standard	ds			
Performance Standard	noves users from network, archives data and files, removes workstations and		X	
Performance Standard  Competency 1i: Ren	ds			
Performance Standard  Competency 1i: Rendisables devices for u	noves users from network, archives data and files, removes workstations and users exiting the organization or prohibited from using IT resources			
Performance Standard	noves users from network, archives data and files, removes workstations and users exiting the organization or prohibited from using IT resources			
Performance Standard  Competency 1i: Rendisables devices for u	noves users from network, archives data and files, removes workstations and users exiting the organization or prohibited from using IT resources			
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	Level	Required	Optiona
RELATED INSTRUCTION			
SCOPE: IT generalists are expected to know the basic features of standard software packages, such as those used by the company or organization for email, word processing, working with data, creating presentations and supporting business uses (such as statistical software packages or software packages that operate machines).			
Skills			
Use logic to problem solve and draw connections between related pieces of information			
Good listening skills			
Good communication skills, including with senior executives and non-technical experts			
Knowledge & Understanding			
Basic features and functions of standard software packages			
Reference materials for use in troubleshooting software, such as FAQs or technical guides			
Specifications, default and optional settings, customization menus for standard software packages			
Tools & Technology			
Software to support network functions			
Software to support email and chat communications Software to support basic office functions, such as word processing, data management, presentations, maintaining calendars and maintaining contact lists.			
Cloud storage and software solutions			
Competency 2a: Uses FAQ's or other job aids to troubleshoot hardware or software faults	Basic	X	
Performance Standards		_	
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			_
			-
			_
Computancy the Uses legis to discover source of faults and recommends convenients colutions	Intermediate	V	
Competency 2b: Uses logic to discover source of faults and recommends appropriate solutions	Intermediate	X	
Competency 2b: Uses logic to discover source of faults and recommends appropriate solutions  Performance Standards	Intermediate	X	
	Intermediate	X	
Performance Standards  Competency 2c: Demonstrates ability to use basic software, including set-up of preferred default settings, instructs other users on the basic features of standard software packages, and identifies			
Performance Standards  Competency 2c: Demonstrates ability to use basic software, including set-up of preferred default settings, instructs other users on the basic features of standard software packages, and identifies and remedies typical faults in relevant software packages			
Performance Standards  Competency 2c: Demonstrates ability to use basic software, including set-up of preferred default settings, instructs other users on the basic features of standard software packages, and identifies and remedies typical faults in relevant software packages			
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Performance Standards  Competency 2c: Demonstrates ability to use basic software, including set-up of preferred default settings, instructs other users on the basic features of standard software packages, and identifies and remedies typical faults in relevant software packages  Performance Standards	Basic	X	
Performance Standards  Competency 2c: Demonstrates ability to use basic software, including set-up of preferred default settings, instructs other users on the basic features of standard software packages, and identifies and remedies typical faults in relevant software packages			
Performance Standards  Competency 2c: Demonstrates ability to use basic software, including set-up of preferred default settings, instructs other users on the basic features of standard software packages, and identifies and remedies typical faults in relevant software packages  Performance Standards  Competency 2d: Identifies situations in which the fault must be escalated to a higher-level	Basic	X	

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Competency 2e: Contacts outside vendors or vendor-supported help desk to solve difficult problems or procure software patches	Intermediate	X	
Performance Standards			
1 cromunee standards			
Competency 2f: Prioritizes "tickets" or requests for help based on business need, staff hierarchy	Basic	X	
or urgency of problems	Basic	Λ	
Performance Standards			

Job Function 3: Supports internal or external clients in the use of audio/visual technology and conference technology (Optional)	Level	Required	Optional X
RELATED INSTRUCTION			
SCOPE: In some organizations, the IT staff are required to assist in setting up and running audiovisual equipment, including projectors, screens, television panels and online conferencing technologies. This work involves physical set up, such as running cables or attaching equipment to a computer or other device, and can also involve virtual technologies.			
Skills			
Logic and the ability to connect pieces of equipment			
Communication			
Meeting deadlines			
Patience and staying calm during tense situations			
Customer service			
Knowledge & Understanding			
Use of technology ports and cables to connect computers or other devices to projection screens			
Setting up screens to receive and display desired presentations or images			
Setting up technology to access internet or run audio/video clips			
Use of presentation and conferencing software and devices			
Use of voice technologies, such as phones or VOIP technologies			
Tools & Technology			
Presentation software Conferencing software			
Cables and connective devices			
Telephone systems and VOIP technologies			
Optional Comparance 3a: Sate up and links audiovisual aguinment including projectors screens lantons			
cameras and related devices			X
Performance Standards			-
	-		-
Competency 3b: Installs, launches, operates and troubleshoots software designed to facilitate presentations, web-based conferencing and audioconferencing			X
Performance Standards			Α
			-
			-
			-
Competency 3c: Tests equipment and software prior to use to ensure sound and video quality is acceptable			X
Performance Standards			
Competency 3d: Sets up, schedules and manages web-based or video conferences			X
Performance Standards			

Optional	Company 2 - Description and the company to the comp		
	Competency 3e: Provides support to users during meetings, conferences or webinars		X
	Performance Standards		
Optional	Competency 3f: Sets up user accounts on voice technologies or systems, including voicemail		
			37
			X
	Performance Standards		
1			

nction 4: Installs, maintains and troubleshoots networks	Level	Required	Optiona
RELATED INSTRUCTION			
SCOPE: Sets up, maintains and troubleshoots networks including wired and wireless networks, monitors			
bandwidth utilization and challenges and ensures that data is being stored properly based on company or organizational policies.			
Skills			
Reading and interpreting written documents  Linking and unlinking devices on a wired or wireless network			
Problem solving and logic			
Applying information learned in one instance to new situations			
TY 7 C TO THE TOTAL THE TO			
Knowledge & Understanding			
Methods to back up, store and retrieve data			
Network management principles			
Basic electronics			
Basic structure and function of networks			
Network security protocols			
Tools & Technology			
Routers Cables			
Network security software such as antiviral software, firewalls, etc.			
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Competency 4a: Installs and maintains wired and wireless networks	Intermediate	X	
Performance Standards			
Performance Standards	1		
Competency the Connects devices to networks physically and using remote access technologies	Racio	V	
Competency 4b: Connects devices to networks physically and using remote access technologies	Basic	X	
Competency 4b: Connects devices to networks physically and using remote access technologies  Performance Standards	Basic	X	
	Basic	X	
Performance Standards  Competency 4c: Installs network security software and devices and monitors system for signs of hacking		X	
Performance Standards  Competency 4c: Installs network security software and devices and monitors system for signs of hacking intrusion or viruses			
Performance Standards  Competency 4c: Installs network security software and devices and monitors system for signs of hacking			
Performance Standards  Competency 4c: Installs network security software and devices and monitors system for signs of hacking intrusion or viruses			
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Performance Standards  Competency 4c: Installs network security software and devices and monitors system for signs of hacking intrusion or viruses  Performance Standards	, Intermediate	X	
Performance Standards  Competency 4c: Installs network security software and devices and monitors system for signs of hacking intrusion or viruses			
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Performance Standards  Competency 4c: Installs network security software and devices and monitors system for signs of hacking intrusion or viruses  Performance Standards  Competency 4d: Tests resiliency of security devices or software and monitors bandwidth utilization	, Intermediate	X	
Performance Standards  Competency 4c: Installs network security software and devices and monitors system for signs of hacking intrusion or viruses  Performance Standards  Competency 4d: Tests resiliency of security devices or software and monitors bandwidth utilization	, Intermediate	X	
Performance Standards  Competency 4c: Installs network security software and devices and monitors system for signs of hacking intrusion or viruses  Performance Standards  Competency 4d: Tests resiliency of security devices or software and monitors bandwidth utilization	, Intermediate	X	
Performance Standards  Competency 4c: Installs network security software and devices and monitors system for signs of hacking intrusion or viruses  Performance Standards  Competency 4d: Tests resiliency of security devices or software and monitors bandwidth utilization	, Intermediate	X	

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Core		D :	37	
Core	Competency 4e: Establishes and sets access levels and permissions based on employees' job roles and	Basic	X	
	company policies			
	Performance Standards			
Optional	Competency 4f: Assists in setting up, configuring and managing servers including data storage	Intermediate	X	
	Performance Standards			
	renormance standards			
Ontional				
Optional	Competency 4g: Sets up user identification parameters on servers	Intermediate	X	
Optional	Competency 4g: Sets up user identification parameters on servers  Performance Standards	Intermediate	X	
Optional		Intermediate	X	
Optional		Intermediate	X	
Optional		Intermediate	X	
Optional		Intermediate	X	
Optional		Intermediate	X	
Optional		Intermediate	X	
Optional		Intermediate	X	
Optional		Intermediate	X	
Optional		Intermediate	X	
	Performance Standards			
Optional Optional		Intermediate	X	
	Performance Standards  Competency 4h: Assists in monitoring server use, efficacy of data back-up and storage systems and integrity of redundant systems or technologies			
	Performance Standards  Competency 4h: Assists in monitoring server use, efficacy of data back-up and storage systems and			
	Performance Standards  Competency 4h: Assists in monitoring server use, efficacy of data back-up and storage systems and integrity of redundant systems or technologies			
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	Performance Standards  Competency 4h: Assists in monitoring server use, efficacy of data back-up and storage systems and integrity of redundant systems or technologies			

ction 5: Makes minor software modifications to improve performance or customize to user needs	Level	Required	Optiona
RELATED INSTRUCTION			
SCOPE: Changing performance parameters, settings, or using software to set up specific functions or processes. In some settings could including writing simple code or making minor modifications to existing code to improve performance. Includes installing vendor-provided patches or updates.			
Skills			
Writing basic code			
Manipulating software parameters and settings			
Listening and interpreting, including descriptions provided by non-technical staff			
Use of advanced features within standard and company-specific software packages			
Logic			
Knowledge & Understanding			
Functionality and intended use of software			
Implications of changing use parameters			
Coding logic			
Tarla 6. Tarburalara			
Tools & Technology			
Competency 5a: Surveys user needs to understand what modifications are needed	Intermediate		
Performance Standards			
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Competency 5b: Modifies a program within a software package, including securing permission	Intermediate		
Competency 5b: Modifies a program within a software package, including securing permission from vendor to do so	Intermediate		
	Intermediate		
from vendor to do so	Intermediate		
from vendor to do so	Intermediate		
from vendor to do so	Intermediate		
from vendor to do so	Intermediate		
from vendor to do so	Intermediate		
from vendor to do so	Intermediate		
from vendor to do so	Intermediate		
from vendor to do so	Intermediate		
from vendor to do so	Intermediate	X	
Competency 5c: Inserts or loads organizational templates or standards into software, such as presentation templates in PowerPoint or equivalent software		X	
Performance Standards  Competency 5c: Inserts or loads organizational templates or standards into software, such as		X	
Competency 5c: Inserts or loads organizational templates or standards into software, such as presentation templates in PowerPoint or equivalent software		X	
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Competency 5c: Inserts or loads organizational templates or standards into software, such as presentation templates in PowerPoint or equivalent software		X	
Competency 5c: Inserts or loads organizational templates or standards into software, such as presentation templates in PowerPoint or equivalent software		X	
Competency 5c: Inserts or loads organizational templates or standards into software, such as presentation templates in PowerPoint or equivalent software  Performance Standards  Competency 5d: Monitors computer performance and recommends/makes upgrades or		X	
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Competency 5c: Inserts or loads organizational templates or standards into software, such as presentation templates in PowerPoint or equivalent software  Performance Standards  Competency 5d: Monitors computer performance and recommends/makes upgrades or	Basic	X	
from vendor to do so Performance Standards  Competency 5c: Inserts or loads organizational templates or standards into software, such as presentation templates in PowerPoint or equivalent software  Performance Standards  Competency 5d: Monitors computer performance and recommends/makes upgrades or modifications as necessary to improve speed or other performance parameters	Basic	X	
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Competency 5e: Uses software to set up needed business functions, such as workflows, tracking, archiving or other functions	Intermediate	У	ζ
Performance Standards			

ties	Level	Required	Optional X
RELATED INSTRUCTION			
Includes uploading documents, text, video or audio files to website, assigning access levels to others to upload or modify content to the website and monitoring basic web analytics to understand utilization patterns.			
understand utilization patterns.			
Skills			
Basic web design			
Identifying and assigning permission hierarchy Checking links to ensure functionality			
Knowledge & Understanding			
Ease of use criteria Organization's policy regarding review and clearance of web information			
Organization's policy regarding review and clearance of web information  Organization's policy regarding access levels			
Tools & Technology			
Web development software, e.g. HTML, Java, Wordpress			
Competency 6a: Sets user/author access permissions based on organization's policies	Basic		X
Performance Standards			
Competency 6b: Uploads new content to organization's website or removes old content as	Intermediate		X
Competency 6b: Uploads new content to organization's website or removes old content as instructed Performance Standards	Intermediate		X
	Intermediate		X
instructed	Intermediate		X
instructed Performance Standards	Intermediate		X
Competency 6c: Tests functionality of links embedded in the website			
instructed Performance Standards			
Competency 6c: Tests functionality of links embedded in the website			
Competency 6c: Tests functionality of links embedded in the website			
Competency 6c: Tests functionality of links embedded in the website			
Competency 6c: Tests functionality of links embedded in the website			
Competency 6c; Tests functionality of links embedded in the website  Performance Standards	Basic		X
Competency 6c: Tests functionality of links embedded in the website  Performance Standards  Competency 6d: Notifies appropriate person if incorrect, outdated or otherwise problematic content is identified			
Competency 6c: Tests functionality of links embedded in the website  Performance Standards  Competency 6d: Notifies appropriate person if incorrect, outdated or otherwise problematic	Basic		X
Competency 6c: Tests functionality of links embedded in the website  Performance Standards  Competency 6d: Notifies appropriate person if incorrect, outdated or otherwise problematic content is identified	Basic		X

Competency 6e: Notifies appropriate person if website is not functioning properly	Basic	X
Performance Standards		

nction 7: Monitors and helps maintain network security by adhering to security policies	Level	Required	Optional
RELATED INSTRUCTION			
SCOPE: Depending upon the size of the organization, this job function could range from setting and implementing policies, to implementing software solutions, monitoring security threats to assisting others adhere to security policies. Security measures include the use of software and threat minimization and mitigation technologies, employee education, restricting web access and			
screening incoming email for potential threats.			
Skills			
Able to identify examples of security threats			
Recommend "safe" passwords and password update protocols			
Knowledge & Understanding			
Current IT threats and recent security breeches (at your organization and others) Current threat migitation technologies and strategies			
Use of access limits to minimize security risks Privacy laws and limitations on the use and required protections of sensitive data			
Tools & Technology			
Antiviral software			
Firewall technology			
	n :		
Competency 7a: Monitors adherence to password policies, including enforcement of password update intervals	Basic	X	
Performance Standards			
Competency 7b: Sets user access levels and permissions based on organizational policies	Basic	X	
Performance Standards			
Competency 7c: Monitors antiviral software to understand potential threats and updates as needed  Performance Standards	Basic	X	
Competency 7d: Reads, attends conferences or interacts with other IT professionals to know and understand current threat levels and mechanisms	d Intermediate	X	
	d Intermediate	X	
understand current threat levels and mechanisms	d Intermediate	X	
understand current threat levels and mechanisms	d Intermediate	X	
understand current threat levels and mechanisms	d Intermediate	X	

Competency 7e: Ensures that encryption technology and access controls are utilized to protect sensitive data	Basic	X	
Performance Standards			
Competency 7f: Ensures that off-site staff are using secure connections to access network	Basic	X	
Competency 71: Ensures that oil-site stall are using secure connections to access network	Basic	A	
Performance Standards			
1 critimance Standards			
Competency 7g: Assists in or monitors use of back-up technologies and network redundancies to	Basic	X	
minimize risk	Dasic	Λ	
Performance Standards			
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Job Fur	action 8:	OJT	RI
	Scope		
	Skills		
	Knowledge & Understanding		
	Knowiedge & Onderstanding		
	Tools & Technology		
	Tools & Technology		
Core or Optional	Competency 8a:		
	Performance Standards		
Core or Optional	Competency 8b:		
Optional	Performance Standards		
Core or Optional	Competency 8c:		
	Performance Standards		
Core or Optional	Competency 8d:		
	Performance Standards		
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- process	Competency 8e:	
	Performance Standards	

ob Fun	ction 9:	OJT	RI
	Scope		
	Skills		
	Knowledge & Understanding		
	Tools & Technology		
	Competency 9a:		
	Performance Standards	1	
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	Performance Standards		
re or tional	Competency 9c:		
	Performance Standards		
re or			
re or tional	Competency 9d:		
	Performance Standards		

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- process	Competency 9e:	
	Performance Standards	

Job Fur	ction 10:	OJT	RI		
	Scope				
	Beope				
	וני וס				
	Skills				
	Knowledge & Understanding				
	Tools & Technology				
Core or Optional	Competency 10a:				
эрионаг	Performance Standards				
	r Crommance Standards				
Core or	Competency 10b:				
- process					
	Performance Standards				
L					
Core or Optional	Competency 10c:				
	Performance Standards				
Core or Optional	Competency 10d:				
	Performance Standards				
•	Competency 10e:				
	Performance Standards				