ELECTRICIAN		
RAPIDS: 0159D	O*NET/SOC: 47-2111.00	REVISION DATE: 03/2021
	ain, and repair electrical wiring, equipment, and ights, intercom systems, or electrical control systems.	fixtures. Ensure that work is in accordance with relevant tems.
	e knowledge and skills for qualifying as Journeym lemonstrating knowledge in the following compe	aan. Applicable Job Qualification Requirements will be used etencies.
TRADE ELIGIBILITY REQUIREMENTS	:	
Service Member assigned, trained a	nd working full time in this trade occupation;	
Have a minimum of 12 months rem	aining on active duty when beginning this trade a	apprenticeship;
Agree to abide by the National Stan	dards of Apprenticeship.	
Related Instruction:		
Trade related On-The-Job-Training (OJT) or Any Trade related schools/courses totali	ng 432 or more hours.
Additional Requirement:		
None		

JOB FUNCTION 1: PRELIMINARY WORK			
Commetenzien		Date	Approved
Competencies:	Competency	Achieved	Ву
1 - Inspect electrical systems, equipment, or components to identify hazards, defects, or the			
need for adjustment or repair, and to ensure compliance with codes.			
2 - Provide preliminary sketches or cost estimates for materials or services.			
3 - Construct or fabricate parts, using hand tools, according to specifications.			
4 - Advise management on whether continued operation of equipment could be hazardous.			
5 - Prepare sketches or follow blueprints to determine the location of wiring or equipment and			
to ensure conformance to building and safety codes.			
JOB FUNCTION 2: RESIDENTIAL AND COMMERCIAL FINISH WORK			
		Date	Approved
Competencies:	Achieved Competency	Achieved	By
1 - Connect wires to circuit breakers, transformers, or other components.			,
2 - Use a variety of tools or equipment, such as power construction equipment, measuring			
devices, power tools, and testing equipment, such as oscilloscopes, ammeters, or test lamps.			
3 - Place conduit, pipes, or tubing, inside designated partitions, walls, or other concealed			
areas, and pull insulated wires or cables through the conduit to complete circuits between			
boxes.			
4 - Repair or replace wiring, equipment, or fixtures, using hand tools or power tools.			
5 - Install ground leads and connect power cables to equipment, such as motors.			
6 - Assemble, install, test, or maintain electrical or electronic wiring, equipment, appliances,			
apparatus, or fixtures, using hand tools or power tools.			
7 - Fasten small metal or plastic boxes to walls to house electrical switches or outlets.			
JOB FUNCTION 3: TROUBLESHOOTING	Achieved		
Competencies:		Date	Approved
-	Competency	Achieved	Ву
1 - Test electrical systems or continuity of circuits in electrical wiring, equipment, or fixtures,			
using testing devices, such as ohmmeters, voltmeters, or oscilloscopes, to ensure compatibility and safety of system.			
and safety of system.			

2 - Diagnose malfunctioning systems, apparatus, or components, using test equipment and			
hand tools to locate the cause of a breakdown and correct the problem.			
3 - Provide assistance during emergencies by operating floodlights or generators, placing			
flares, or driving needed vehicles.			
JOB FUNCTION 4: WORK SITE MANAGEMENT			
Competencies:	Achieved	Date	Approved
	Competency	Achieved	Ву
1 - Plan layout and installation of electrical wiring, equipment, or fixtures, based on job			
specifications and local codes.			
2 - Work from ladders, scaffolds, or roofs to install, maintain, or repair electrical wiring,			
equipment, or fixtures.			
3 - Maintain current electrician's license or identification card to meet governmental			
regulations.			
4 - Direct or train workers to install, maintain, or repair electrical wiring, equipment, or			
fixtures.			
5 - Perform business management duties, such as maintaining records or files, preparing			
reports, or ordering supplies or equipment.			
6 - Perform physically demanding tasks, such as digging trenches to lay conduit or moving or			
lifting heavy objects.			
FINAL APPROVER:	ALL COMPETENCIES COMPLETED:		
ATURE: DATE:			