

Work Processes Schedule

RIGGER (ANY INDUSTRY)

RAPIDS: 0474N

O*NET/SOC: 49-9096.00

REVISION DATE: 12/2014

Assemble and install rigging gear such as cables, ropes, pulleys and winches to lift, lower, move or position machinery, structural steel and other heavy objects. Demonstrate knowledge and skills for qualifying as Journeyman. Applicable Job Qualification Requirements will be used as a guide in performing tasks and demonstrating knowledge in the following areas. Actual work time must be recorded in the Work Experience Log.

Applicable Ratings/MOS

USMC MOS 1371

USCG BM

USN BM, HT, SW

Related Instruction

Any trade related schools/courses totaling 576 hours.

Additional Requirement

None

Total Hours: **8000**

Skill	Description	Hours
A	<p>SKIDDING AND MOVING</p> <p>Attach load with grappling devices such as; loops, wires, ropes, and chains, to crane hook. Give directions to overhead crane operator or hoist engineer engaged in hoisting and moving loads to ensure the safety of workers and material handled using hand signals, loudspeaker or telephone. Set up braces, and rig hoisting equipment using hand or power tools.</p>	1300
B	<p>HITCHING WITH STEEL CABLE AND/OR ROPE SLINGS</p> <p>Splice rope and wire cables to make or repair slings or tackle. Perform hitching operations in accordance with current standards.</p>	700
C	<p>SCAFFOLDING ERECTION AND DISMANTLING</p> <p>Set up scaffolding for all type of projects. Estimate amounts of material, man-hours, and tools needed for the project. Stage necessary scaffolding for work to be completed. When project requires the use of hazardous materials or different types of blasting such as; grit, water, flame, chemical, or ice, stage the appropriate covering to surround scaffolding to prevent hazardous waste from entering the atmosphere and in accordance with local, and federal environmental laws.</p>	600
D	<p>JACKS</p> <p>Use different types of jacks in accordance with standards, procedures, and safety policies.</p>	300
	<p>BLOCKS</p>	

E	Properly read and use blocks to perform rigging operations.	200
F	<p>KNOTS</p> <p>Tie different types of knots to meet the needs of the rigging situation. Inspect ropes and lines for cuts, worn out material, or other flaws to deem the material unusable. Identify the proper locations for using various types of knots.</p>	100
G	<p>ARRANGEMENT OF GUYS</p> <p>Sets up, braces, and rigs hoisting equipment, using hand tools and power wrenches.</p>	400
H	SETTING, LEVELING AND ASSEMBLING	600
I	<p>WEIGHT TESTING</p> <p>Perform weight testing on equipment such as; hooks, lines, ropes, hangers, or other devices used to handle heavy equipment, machinery, food or company supplies. Inspect devices to ensure all items are within current standards and have been weight tested at the appropriate intervals.</p>	500
J	READING BLUEPRINTS, INSTRUMENT LEVELING	500
K	POURING SOCKETS	400
L	<p>RIVETING, SPLICING ROPES AND STEEL CABLES</p> <p>Inspect riveting, splicing ropes and steel cables for proper connections. Operate blow torch or other special tools to repair or replace worn or damaged materials.</p>	400
M	<p>RIGGING PREPARATIONS</p> <p>Assemble rigging to lift and move equipment or material in a shipyard or on a construction project. Select cables, ropes, pulleys, winches, blocks, and sheaves according to weight and size of the load to be moved. Attach pulley and blocks to fixed overhead structures such as; beams, ceilings, and gin pole booms with bolts and clamps.</p>	800
N	<p>RIGGING SUPERVISOR OPERATIONS</p> <p>Supervise and coordinate activities of workers engaged in erecting and operating machines to hoist and convey machinery and equipment such as; structural beams, metal tanks, and wall and floor slabs at the construction site. Specify locations for movement and erection of derricks, hoists, and cranes in accordance with proper methods of sliding and lifting equipment. Direct workers engaged in splicing ropes and metal cables to form hoisting slings.</p>	500
	SAFETY PRECAUTIONS AND PROCEDURES	

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Perform unique safety requirements applicable to this trade. Conform to prescribed safety factors to include the proper use of and methods of handling chemicals, hand and power tools, ladders, air and hydraulic lines, and other materials used to perform the task. Utilize, store, and dispose of hazardous or flammable materials in accordance with current standards and established safety procedures. Perform routine safety inspections in spaces or work areas, looking for proper safety control devices such as; warning signs such as; high voltage locations or other electrical hazards, radiation hazards, wet floors, ear and eye protection, hot machines or rotation equipment; fall or trip hazards, flags, ropes, first aid kits, or other items. Maintain safety inspection records. Report and/or correct all safety discrepancies identified.

700