

UAW HOURLY CLASSIFICATIONS LODGE 647

CLASSIFICATION	RATE	CODE
Inspector Technical	23	E0210
Engine Tester	22	E1701
Inspector-Developmental	21	E0202
X-Ray Technician	21	E0329
Development Mechanic	21	E4004
Production Cell Machine Operator	21	E4405
Welder-Production	21	E5703
Heat Treat	20	E6601
Production Assembly Mechanic	19	E4005
Inspector Allied Process	17	E0207
Heavy Mobile Equipment Operator	17	E0968
Machine Varied	17	E2510
Heat Treat Services	17	E6603
Multi Services	16	E0601
Facility Services	13	E0500

INSPECTOR -TECHNICAL

E0210

R-23

Inspect all types of tools, gages, fixtures, templates, assemblies, sub-assemblies, component parts, etc. requiring layout to determine accuracy of geometric characteristics and/or functional performance as required. Perform mathematical calculations from interpretations of blueprints. Perform special setups on all kinds of inspection equipment. Set-up and operate all types of computer assisted measuring machines, including unique probe systems and various peripherals involving advanced trigonometric calculations, working from blueprints, detailed drawings, sketches, oral and written instructions, etc. Must be able to read and interpret complex aircraft engine blueprints/drawings and physically set up and accurately layout the dimensional characteristics and relationships described on the print utilizing conventional layout tools or coordinate measuring techniques.

Adjust tools, gages, and fixtures working from procedures/instructions. Supply variable data on aircraft components or tools as required. Identify non-conforming characteristics per instructions/procedures on all types of tooling, gages, and engine hardware. Provide complete inspection service on all tools/parts requiring inspection including, but not limited to, customer interface at crib windows, and trucking back to the customer when required.

Interface directly with all levels of engineering personnel. Maintain records and perform related duties. Required to work with minimum or no direct supervision. Maintain the immediate work environment to include cleaning equipment and general shop housekeeping. 5/20/96

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 1 Year

One (1) year inspection experience equivalent to R19 Dimensional Inspection (including R19 Tool & Gage E0203).

Or 3 years setting up and operating one or a combination of machine tools such as jig bores, horizontal boring mills, precision drills.

Or the satisfactory completion of the Advanced Quality Techniques Training Program

Experience on any jobs combined during the 1988 job classification combination or the 1994 Multi Skilling Agreement may be used in meeting the minimum experience criteria.

THIS CLASSIFICATION INCORPORATED:

R23 Inspector MMCA Varied E0220

R23 Inspector Tool & Gage E0204

R19 Inspector Diversified (partial) E0227

DISPLACEMENT: Incumbents of this job have displacement rights to following jobs:

Inspector Development, E0202, R21

Heat Treat Services, E6603, R17

Multi Services. E0601, R16

Facilities Services, E0500, R13

ENGINE TESTER

E1701

R-22

Perform normal test set-up for production engines and complex test set-up for product improvement and engineering investigation. Perform complete mechanical, electrical, and operational acceptance tests of a complicated nature on all engine models, including all standard and non-standard tests for engineering investigations, acceptance testing, and trouble-shooting and component endurance tests. Install engine into test cell, all required instrumentation in or out of cell, and replacement parts as necessary. Adjust engine controls and equipment; make all calculations necessary to comply with test requirements and adjustments to engine controls. Use diagnostic equipment in trouble-shooting engine malfunctions, correct engine malfunctions, and provide sufficient technical information to other personnel if required, to assure a timely and effective solution to test related problems. Inspect replacement of parts, accept, or reject engine in accordance with test results. Diagnose and suggest corrective action on engine or components failing test. May instruct student engineers on details of general test procedures; instruct lower rated personnel and maintain test records as required. Maintain records and perform related duties. 2/1/88

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 2 years

Has jet engine testing or varied jet engine assembly experience. Must have a High School education or equivalent.

DISPLACEMENT: Incumbents of this job have displacement rights to following jobs:

Development Mechanic, E4004, R21
Production Assembly Mechanic, E4004, R19
Heat Treat Services, E6603, R17
Multi Services. E0601, R16
Facilities Services, E0500, R13

INSPECTOR – DEVELOPMENTAL**E0202****R-21**

Performs complete inspection of engineering developmental gas turbine apparatus models or modifications from engineering instructions, drawings or sketches, etc. Inspect, including identification of non-conformance characteristics per instructions/procedures, complicated sample assemblies and parts requiring layout, involved mathematical calculations, and special set-ups of every kind of inspection equipment. Maintain close contact with engineering personnel. Maintain records and performs related duties. 2/22/88

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 1 year

Aircraft engine hardware inspection or satisfactory completion of the Advanced Quality Techniques Training Program. Must obtain a confidential security clearance before transferring to this classification.

THIS CLASSIFICATION INCORPORATED:

R21 Inspector Sample Layout (partial) E0229

DISPLACEMENT: Incumbents of this job have displacement rights to following jobs:

Heat Treat Services, E6603, R17

Multi Services, E0601, R16

Facilities Services, E0500, R13

X-RAY TECHNICIAN

E0329

R-21

Formulate procedures and establish methods and operational techniques for all types of parts and materials X-rayed. Schedule, instruct, and direct activities of Level I X-Ray Technicians in all phases of the operation. Operate all X-ray equipment, prepare parts for exposure, develop film and interpret developed film. Prepare and maintain all necessary records, reports, written procedures and drawings relative to X-ray operation. Perform related duties. 8/30/90

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 2 years

Industrial or certified medical X-ray experience, or one-year experience as an R17 X-ray machine (E0320), or an associate degree in Radiology. Must pass eye test. Must pass Level II certification test within six months of starting formal training.

DISPLACEMENT: Incumbents of this job have displacement rights to following jobs:

Heat Treat Services, E6603, R17
Multi Services, E0601, R16
Facilities Services, E0500, R13

DEVELOPMENT MECHANIC

E4004

R-21

Perform the complete assembly, disassembly and/or modifications to engineering developmental products or aircraft gas turbine apparatus, components, sub-assemblies and accessories. Set up and operate all types of balance and high-speed test equipment to balance (and test) an extremely wide variety of developmental rotating parts and components. Add or remove material as necessary to achieve desired balance. Perform in process, final and related inspection functions including using precision checking and measuring devices. 3/14/94

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 2 Years

Has two (2) years gas turbine engine assembly experience. Mechanical ability and able to read and interpret engineering drawings, procedures and directions. Is proficient in the use of precision measuring instruments. Must be able to acquire and maintain a variety of security and program clearances.

Employees who do not meet the minimum experience criteria defined above may substitute successful completion of company approved training for this classification.

F.A.A. Power Plant License required for new or re-hires after October 15, 2005.

THIS CLASSIFICATION INCORPORATED:

R21 Assembler Developmental E4002
R21 Inspector Developmental E0202
R20 Balance Machine SUO (Partial) E4702

DISPLACEMENT: Incumbents of this job have displacement rights to following jobs:

Production Assembly Mechanic, E4005, R19
Heat Treat Services, E6603, R17
Multi Services, E0601, R16
Facilities Services, E0500, R13

PRODUCTION CELL MACHINE OPERATOR

E4405

R-21

Set-up and operate all types of numerically controlled and manual milling, turning, grinding, boring, broaching, gear cutting, drilling and related machine tools. Perform complicated precision operations to close tolerances working from blueprints, complicated drawings, verbal and written instructions, sketches, and operation sheets.

Will complete inspection of major and minor parts, sub-assemblies, assemblies and components to determine the accuracy of workmanship and functional performance. Dimensional inspection of parts and assemblies, including identification of non-conformance characteristics per instructions/procedures with improvised setups using height gages, surface plates, indicators, etc. Perform CVP audits as required. Support of standard gages via the gage exchange crib.

Perform assembly, pressing, forming, bending, hand benching, finishing and sub assembly operations using a variety of hand and power tools.

Perform any and all cell support duties including, but not limited to, coolant management, machine lubrication and cleaning, trucking, parts cleaning and general shop housekeeping. Required to work with minimum or no direct supervision.

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 2 years

Two (2) years milling or turning experience

Or a combination of two (2) years, milling, drilling, boring, turning, broaching, gear cutting or grinding experience with at least one (1) year being milling or turning. At least six (6) months N.C. milling is desirable.

Will consider one (1) year of R-17 Machine Varied, R-17 Machine Turn or R-19 Precision Grinding experience in lieu of the above.

Employees who do not meet the minimum experience criteria defined above may substitute successful completion of company approved training for the classification.

Experience on any jobs combined during the 1988 job classification combination or the 1994 Multi Skilling Agreement may be used in meeting the minimum experience criteria.

THIS CLASSIFICATION INCORPORATED:

R20 Multi Machine Varied E2711

R20 Multi Machine Turning E2401

R19 Inspector Diversified (partial) E0227

R16 Material Support (partial) E0600

DISPLACEMENT: Incumbents of this job have displacement rights to following jobs:

Production Assembly Mechanic, E4005, R19

Machine Varied, E2510, R17

Heat Treat Services, E6603, R17

Multi Services, E0601, R16

Facilities Services, E0500, R13

WELDER - PRODUCTION

E5703

R-21

Set up and perform all types of hand welding, brazing, and cutting on all types of ferrous and non-ferrous metals. Will fabricate, modify, and rework parts that require standard and advanced welding techniques, including difficult work positions. Will layout metal and weld in accordance with oral, written, drawings, sketches, blueprint type of instructions. Will use precision measuring instruments where required in relation to the work being performed. Will perform such welding as assigned with or without the use of fixtures, adapt existing equipment to fit special applications. Certified in welding by the U.S.A.F. as required. Instruct lower rated operators. Maintain records and perform related duties. 2/1/88

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 1 year

Arc welding experience or completion of an accepted welding course. Must pass proficiency test.

DISPLACEMENT: Incumbents of this job have displacement rights to following jobs:

Production Assembly Mechanic, E4005, R19
Heat Treat Services, E6603, R17
Multi Services, E0601, R16
Facilities Services, E0500, R13

HEAT TREAT

E6601

R-20

Load and unload, set-up and operate a variety of automatic, semi-automatic and manual heat treating facilities, gas producing units, controlling devices to heat treat, braze, anneal, etc., all types and nature of items, parts, cylindrical casings, propulsion system components, gears, assemblies, sub-assemblies, blades, vanes, etc. Perform all operations, per written or verbal instructions. Monitor all equipment, pump oil levels, cooling water levels, etc. and maintain paper, print wheels, and print ribbons for stripchart recorders. Notify supervision or maintenance as necessary. Process parts and maintain records as required by related QCWI's or by verbal instructions.

Obtain parts and equipment such as chains, specialized lift devices, fixtures, etc. to perform the tasks of the job. Move parts and equipment anywhere within Heat Treat, Alloy Room and Coatings areas.

Perform visual, dimensional, instrument and hardness checks such as Rockwell A, B, and C and Brinell, using hand held and bench mounted hardness gages. Maintain housekeeping in the workstation area and clean out accumulated thermocouple wire insulation, bricks, moly bars, etc. from furnaces.

Must be thoroughly familiar with emergency operation, correction, and controls of all Heat Treat furnaces and related equipment. Maintain records and perform related duties. 3/14/94

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 1 year

One (1) year of heat treat experience.

DISPLACEMENT: Incumbents of this job have displacement rights to following jobs:

Heat Treat Services, E6603, R17

Multi Services, E0601, R16

Facilities Services, E0500, R13

PRODUCTION ASSEMBLY MECHANIC

E4005

R-19

Perform the complete assembly, disassembly and modifications on the engine and its components, assemblies and accessories, using all types of jigs, fixtures, and hand and power tools, presses and material handling equipment, work from sketches, blueprints, oral and written instructions. Set-up and operate all types of balance equipment to balance rotating parts and components. Perform in process, final and related inspection functions including using precision checking and measuring devices. Perform a variety of assembly support functions such as kitting, material handling/movement and area housekeeping.

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 1 year

One (1) year machining, mechanical inspection or mechanical assembly experience and a current F.A.A. Power Plant License. Mechanical ability and able to read and interpret engineering drawings, procedure and directions. Is proficient in the use of precision measuring instruments. Employees who do not meet the minimum experience criteria defined above may substitute successful completion of Company approved training for the classification.

Experience on any jobs combined during the 1988 job classification combination or the 1994 Multi Skilling Agreement may be used in meeting the minimum experience criteria.

F.A.A. Power Plant License required for Pref., new or re-hires after October 15, 2005.

THIS CLASSIFICATION INCORPORATED:

R20 Balance Machine Setup Operator E4702

R19 Production Mechanic E4003

R16 Material Support (partial) E0600

DISPLACEMENT: Incumbents of this job have displacement rights to following jobs:

Heat Treat Services, E6603, R17

Multi Services, E0601, R16

Facilities Services, E0500, R13

INSPECTOR ALLIED PROCESS**E0207****R-17**

Perform a variety of physical and chemical inspections including Magnetic Dispersion, Penetration, Heat Transfer and chemical reaction on all types of parts and assemblies as specified. Handle parts, perform close inspection, denote causes of discrepancies where possible and reject unsuitable pieces. Prepare and/or check inspection solutions and agents, clean parts before and after inspection, operate all related inspection equipment and handling devices, direct activities of lower rated personnel. Maintain records and perform related duties. 2/1/88

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE:

Consideration will be given to employees who verify experience on a job requiring the reading of blueprints or the satisfactory completion of acceptable courses in blueprint reading or satisfactory completion of Shop Familiarization Program I. Must pass eye examination and Level II certification tests.

DISPLACEMENT: Incumbents of this job have displacement rights to following jobs:

Heat Treat Services, E6603, R17

Multi Services, E0601, R16

Facilities Services, E0500, R13

HEAVY MOBILE EQUIPMENT OPERATOR

E0968

R-17

Operate heavy-duty industrial fork trucks and mobile cranes to lift, move, position and set machinery and equipment. Take direction from and support the trades in the successful completion of required tasks. Perform full scope of related R16 duties as required. Observe all EHS and OSHA safety rules. Maintain records and perform related duties. 3/14/94

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 3 months

Three (3) months of industrial trucking experience. Must successfully complete formal and on-the-job industrial equipment training upon initial entrance into the classification and must demonstrate the skills and knowledge to perform the total scope of the job in a safe and efficient manner.

DISPLACEMENT: Incumbents of this job have displacement rights to following jobs:

Heat Treat Services, E6603, R17

Multi Services, E0601, R16

Facilities Services, E0500, R13

MACHINE VARIED**E2510****R-17**

Set-up and operate machines and machine tools such as: drills, horizontal and vertical mills, and electro discharge and laser machines. Perform milling, drilling, tapping, reaming, counter boring and spot facing. Install electrodes and other tooling fixtures. May involve use of complicated jigs, including layout, from blueprints, drawings, written or oral instructions, etc. Make machine adjustments and corrections necessary to maintain required tolerances. Use a variety of precision standard and special measuring devices, meters and gages. Maintain records and perform, related duties. 2/22/88

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 6 months

Standard machine tools or acceptable machine tool training

THIS CLASSIFICATION INCORPORATED:

R17 Horizontal & Vertical Mill E2503
R17 Radial Drill E2703
R15 Drill & Tap E2724
R15 EDM E3203

DISPLACEMENT: Incumbents of this job have displacement rights to following jobs:

Heat Treat Services, E6603, R17
Multi Services, E0601, R16
Facilities Services, E0500, R13

HEAT TREAT SERVICES

E6603

R-17

Perform a wide variety of operations (except running the furnaces) required to successfully braze, heat treat, and coat hardware/subassemblies. Prepare surfaces for braze by cleaning, hand benching, forming, nickel blasting, etc. Assemble subassemblies using fixtures, guides, presses and gages to position parts, and tack parts together using staking fixtures, resistance tack welders, etc. Apply braze alloys and flow control materials in all forms. Perform hand finishing blueprint characteristics, remove stopoff, or correct product irregularities.

Inspect parts using standard and special measuring instruments to include fixtures, gages, hardness testers, indicators, verniers, pins and micrometers. Operate optical comparators, airflow stands and honeycomb inspection machines, and visually inspect parts to determine the nature and extent of nonconformance such as braze splatter, wetouts, nicks, and scratches

Operate industrial trucks and other mobile equipment to move parts, supplies, tooling, etc., to and from various work areas. Receive, store and ship parts, materials, equipment, tools and shop supplies. Clean and provide labor services for assigned areas. Load and unload parts, pellets and powders from boxes, prepare different powders by weighing, mixing, and blending. Prepare parts for coating by taping, waxing, cleaning and masking as required. Work to exact specifications from written or verbal instructions and blueprints. Maintain records and perform related duties. 3/14/94

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 6 months

Six (6) months of mechanical assembly, machine or hand weld, machining, or inspection experience. Employees who do not meet the minimum experience criteria defined above may substitute successful completion of company approved training for this classification.

THIS CLASSIFICATION INCORPORATED:

R17 Sub Assembler (Partial) E3900
R16 Material Support (Partial) E0600
R16 Inspector Check & Correct (Partial) E0200
R15 Codep E5042

DISPLACEMENT: Incumbents of this job have displacement rights to following jobs:

Multi Services, E0601, R16
Facilities Services, E0500, R13

MULTI SERVICES

E0601

R-16

Pack and/or over pack parts using standard or automatic packing counting machines and stitchers, lid sealers, and tape and label dispensers. Set up and service cribs including receiving, storing, and shipping parts, materials, and equipment, tools, and shop supplies. Operate heavy-duty industrial trucks and similar mobile equipment to lift, move, position, and set machinery, equipment, furniture, supplies, etc., throughout the plant. Clean area offices and provide labor services for assigned areas. Unload, separate, classify, dismantle, deface, and/or break up parts of various kinds of scrap metal. Cut off stock or materials as necessary. Check and oil machinery and equipment throughout the plant.

Set up and operate shot peening facilities; process and measure test coupons to assure proper pressure intensity. Prepare and maintain solutions for processes such as plating, oxidizing, metal spraying, etching, tumbling, etc.; process, neutralize, and dispose of an chemical solutions. Set up and operate cabinet abrasive equipment; clean, blend surfaces, remove imperfections, and remove excess material thickness while maintaining dimensions, etc. on parts and assemblies.

Operate woodworking machinery to include hand and power tools, and perform necessary layout, special fit, and set-up to make reusable wood skids, crates, boxes, inserts, etc.

Inspect parts in process and finished parts for packing, packed parts, container, etc., verifying condition, quantity, proper packaging technique, including blocking, banding, loading procedure, etc., to assure conformance to regulations. Unpack, inspect, and repack as required and perform a wide variety of tests on packing material for adherence to specifications.

Work from verbal or written instructions, blueprints, operations sheets, or detailed military specifications. Observe an EHS and OSHA safety rules. Maintain records and perform related duties. 3/14/94

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 1 year Transferable industrial experience

THIS CLASSIFICATION INCORPORATED:

R16 Material Support (partial) E0600

R16 Box Maker E6102

R16 Processor E5400

R16 Inspector Check & Correct (Partial) E0200

DISPLACEMENT: Incumbents of this job have displacement rights to following jobs:

Facilities Services, E0500, R13

FACILITY SERVICES**E0500****R-13**

Perform a variety of functions in support of facilities, buildings, grounds, and the manufacturing effort. Responsibilities include: set up and service Facility cribs; cleaning offices, lavatories, aisles, stairwells; setting up and cleaning meeting rooms; waste removal; furniture moves; maintaining lawns, shrubbery, roadways, parking lots, etc. Operate a variety of equipment such as: sweepers, scrubbers, buffers, vacuums, snow removers, walking and riding lawn mowers, and tractors; budas, fork, boom or trailer type industrial trucks and similar mobile equipment. Must observe safety precautions and report safety problems and issues as related to work area or equipment. Check and oil machinery and equipment within the Facility Area of responsibility. Unload, separate and classify various kinds of scrap metal including dismantling, defacing and/or breaking up of parts. Distinguish metals by visual check or test. Work from written and verbal instructions. Maintain records and perform related duties.

Definition for this occupation is for identity only; it does not detail all operations performed or required.

MINIMUM EXPERIENCE: 1 year Transferable industrial experience

THIS CLASSIFICATION INCORPORATED:

R16 Material Support (partial) E0600
R10 Facilities Service & Support E0400