COMBUSTION TURBINE OPERATIONS CLASSFICATIONS

CHANGES PER THE 1996 NEGOTIATIONS

EFFECTIVE UPON RATIFICATION

113 = 62%
182

ELECTRICAL
CORE JOURNEYMAN SKILLS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
DUTY AREA 1: SUPPORT EQUIPMENT		
1.001 (M)	COMPLETE FORKLIFT OPERATOR TRAINING COURSE - AC020	
1.002 (M)	OPERATE A FORKLIFT	X
1.003 (M)	COMPLETE RIGGING & LIFTING COURSE - MM025	
1.005 (M)	USE AND INSPECT RIGGING TO LIFT EQUIPMENT	X
1.006	COMPLETE SCAFFOLDING COURSE - MM056	
1.008	ERECT AND USE A TUBULAR WELDED FRAME SCAFFOLD AT LEAST TWO SECTIONS HIGH WITH OR WITHOUT WHEELS	X
1.009 (M)	COMPLETE OVERHEAD CRANE COURSE - AC024	
1.010 (M)	DIRECT AN OVERHEAD CRANE LIFT FROM THE FLOOR USING ALL APPROVED HAND SIGNALS	X
1.011 (M)	OPERATE AN OVERHEAD CRANE	X
1.013	COMPLETE MOBILE CRANE OPERATOR COURSE - MM046	
1.014	DIRECT A MOBILE CRANE USING ALL APPROVED HAND SIGNALS	X
1.015	OPERATE A MOBILE CRANE	X
1.017 (M)	USE COME-A-LONGS AND CHAINFALLS	X
1.018	SECURE EQUIPMENT FOR TRANSPORT	X
1.021	COMPLETE BUCKET TRUCK COURSE - AC036	
1.022	OPERATE A BUCKET TRUCK	
1.023	USE A SAND BLASTER TO CLEAN SURFACES (BEAD BLASTER)	X
DUTY AREA 2: SHOP EQUIPMENT		
2.001	DRESS A FLOOR STAND GRINDER WHEEL AND ADJUST TOOL REST	X
2.004	USE A PORTABLE GRINDER	X
2.005	USE PORTABLE DRILLS	X

113 = 62%
182

ELECTRICAL
CORE JOURNEYMAN SKILLS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
DUTY AREA 2: SHOP EQUIPMENT (CONT'D)		
2.006 (M)	USE A DRILL PRESS	X
2.007	INSTALL A NEW BLADE ON A PORTABLE SAW	X
2.008	REMOVE BROKEN TAP OR TWIST DRILL FROM A PIECE OF STEEL	X
2.009 (M)	HAND THREAD VARIOUS SIZES OF CONDUIT WITH HAND DIES	X
2.011	CUT AND INSTALL A GASKET	X
2.012 (M)	MACHINE THREAD VARIOUS SIZES OF PIPES	X
2.014(M)	OPERATE A HORIZONTAL BAND SAW	X
2.017	REMOVE AND REPLACE A FLOOR STAND GRINDER WHEEL	X
2.018 (M)	DRILL AND TAP A HOLE USING A DRILL CHART	X
2.019	USE SAFETY WIRING AND LOCKING TAB TOOLS	X
2.020 (M)	USE A TORQUE WRENCH	X
2.021 (M)	COMPLETE BASIC HAND TOOLS COURSE - MM010	
2.022 (M)	USE MECHANICAL WHEEL AND BEARING PULLERS	X
2.023 (M)	USE A TORCH FOR HEATING	X
2.025 (M)	SAFELY INSTALL AND ADJUST REGULATORS, HOSES, AND TORCHES	X
2.026 (M)	DISCONNECT OXYGEN AND ACETYLENE EQUIPMENT, STORE PROPERLY	X
2.027 (M)	USE A HILTIGUN	X
2.028 (M)	USE A KNOCKOUT PUNCH	X
2.029 (M)	BEND PVC CONDUIT USING 1/2 TO 2 1/2 PVC CONDUIT HEATER	X
2.030	OPERATE A HYDRAULIC PRESS	X
2.031 (M)	COMPLETE GENERAL SHOP PRACTICES COURSE - MM022	

CTT

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182

ELECTRICAL
CORE JOURNEYMAN SKILLS

TASK NUMBER	TASK TITLE	PROGRESSION TASKS
DUTY AREA 3: MEASURING AND TESTING INSTRUMENTS		
3.001 (M)	USE INSIDE AND OUTSIDE MICROMETERS	X
3.002 (M)	COMPLETE MEASURING INSTRUMENTS COURSE - MM021	
3.003 (M)	USE A MEGGER (not high voltage equipment)	X
3.004 (M)	COMPLETE TEST INSTRUMENTS COURSE - EM028	
3.006 (M)	USE FREQUENCY COUNTER/GENERATOR	X
3.007 (M)	USE AN OSCILLOSCOPE TO DETERMINE AMPLITUDE, TIME, FREQUENCY, AND DISTORTION	X
3.009 (M)	USE A HAND HELD STROBE LIGHT TACHOMETER	X
3.011 (M)	USE A TRANSISTOR CHECKER	X
3.012 (M)	USE A CAPACITANCE CHECKER	X
3.015 (M)	USE A HI-POT	
3.016 (M)	USE A VOLT OHM METER	X
3.017 (M)	USE A PORTABLE VIBRATION DETECTOR	X
3.018 (M)	USE A CLAMP-ON AMMETER	X
3.019 (M)	USE A PRECISION OHM METER (DUCTOR)	X
3.020 (M)	USE A MOTOR ROTATION INDICATOR	X
3.021 (M)	USE A PHASE SEQUENCE INDICATOR	X
3.022 (M)	USE A HIGH VOLTAGE TESTER	
3.023 (M)	USE A 0-400V PORTABLE POWER SUPPLY	X
DUTY AREA 4: MOTORS, GENERATORS, AND CONTROL EQUIPMENT		
4.003 (M)	INSPECT OIL SLINGER RINGS	X
4.004 (M)	INSPECT AND CHECK A JOURNAL BEARING FOR PROPER CLEARANCE ALLOWANCE	X

113 = 62%
182

ELECTRICAL
CORE JOURNEYMAN SKILLS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
DUTY AREA 4:	**MOTORS, GENERATORS AND CONTROL EQUIPMENT (CONT'D)**	
4.005 (M)	INSPECT ANTI-FRICTION BEARINGS	X
4.006 (M)	CLEAN, INSPECT AND LUBRICATE A GRID OR GEAR TYPE COUPLING	X
4.010 (M)	COMPLETE BEARING AND LUBRICATION COURSE - MM028	
4.013 (M)	DISASSEMBLE, INSPECT AND CLEAN ELECTRIC MOTORS	X
4.016 (M)	REPLACE BEARINGS ON ELECTRIC MOTORS	X
4.017 (M)	CHECK AND REPLACE BRUSHES ON DC MOTORS	X
4.019 (M)	ALIGN ELECTRIC MOTORS	X
4.020 (M)	INSPECT AND CLEAN MOTOR CONTROLLERS	X
4.021 (M)	TEST/OPERATE MOTOR CONTROLLERS	X
4.022 (M)	REPAIR MOTOR CONTROLLERS	X
4.023 (M)	REPLACE MOTOR CONTROLLERS	X
4.024 (M)	COMPLETE MOTOR COURSE - EM033	
4.025 (M)	COMPLETE TROUBLESHOOTING CONTROL EQUIPMENT COURSE - EM032	
4.026 (M)	USE AN ELECTRIC BEARING (CONE TYPE) HEATER	X
4.027 (M)	CHANGE EXCITER AND GENERATOR COLLECTOR RING BRUSHES WITH MACHINE IN SERVICE	
4.028 (M)	COMPLETE GENERATOR MAINTENANCE COURSE - EM065	
4.029 (M)	COMPLETE COUPLING AND SHAFT ALIGNMENT COURSE - MM045	

113 = 62%
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ELECTRICAL
CORE JOURNEYMAN SKILLS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
DUTY AREA 5: ELECTRICAL DISTRIBUTION		
5.001 (M)	DISCONNECT, INSPECT, AND RECONNECT BUS WORK	X
5.002 (M)	INSPECT, CLEAN, LUBRICATE, AND TEST SWITCHGEAR LARGER THAN 600V FOLLOWING P.M. PROCEDURE	X
5.005 (M)	INSPECT AND CLEAN INSULATORS ON ELECTRICAL EQUIPMENT	X
5.006 (M)	INSPECT, CLEAN, LUBRICATE, AND TEST SWITCHGEAR, 600V OR LESS	X
5.010 (M)	PULL CABLES THROUGH CONDUIT	X
5.011 (M)	INSTALL GROUNDS FOR WORKING ON ELECTRICAL EQUIPMENT	X
5.013 (M)	INSPECT AND CLEAN PLANT LIGHTING CIRCUITS AND PANELS	X
5.016 (M)	PERFORM CONTROL TRANSFORMER HOOK-UP	X
5.017 (M)	REPLACE MOLDED CASE OR MAGNETIC CIRCUIT BREAKERS	X
5.019 (M)	TROUBLESHOOT/REPAIR MERCURY VAPOR AND/OR HIGH PRESSURE SODIUM LIGHTING	X
5.020 (M)	TROUBLESHOOT/REPAIR FLORESCENT FIXTURE	X
5.021 (M)	COMPLETE SWITCHGEAR COURSE - EM035	
5.022 (M)	COMPLETE ELECTRICAL CONNECTIONS COURSE - EM031	

DUTY AREA 6: INDICATORS AND RECORDERS

NO CORE TASKS IDENTIFIED FOR THIS AREA

113/182 = 62%

ELECTRICAL
CORE JOURNEYMAN SKILLS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
DUTY AREA 7: AUXILIARY COMPONENTS		
7.001	TEST HEAT TRACE	X
7.002	REPAIR HEAT TRACE	X
7.003	REMOVE AND REPLACE HEAT TRACE	X
7.004	INSPECT AND CLEAN INVERTERS	X
7.005	TEST INVERTERS	X
7.006	CALIBRATE INVERTER FREQUENCY	X
7.008 (M)	INSPECT AND CLEAN BATTERIES	X
7.009 (M)	TAKE READINGS ON BATTERIES	X
7.010 (M)	GREASE TERMINALS AND INTERCELL CONNECTORS ON BATTERIES	X
7.012	INSPECT AND CLEAN BATTERY CHARGER	X
7.013	TEST BATTERY CHARGER	X
7.014	ADJUST BATTERY CHARGER VOLTAGE	X
7.017 (M)	INSPECT, CLEAN, AND LUBRICATE GEAR-DRIVEN LIMIT SWITCHES FOR MOTOR OPERATED VALVES	
7.018 (M)	TEST GEAR-DRIVEN LIMIT SWITCHES FOR MOTOR OPERATED VALVES	
7.019 (M)	REPLACE GEAR-DRIVEN LIMIT SWITCHES FOR MOTOR OPERATED VALVES	
7.020 (M)	INSPECT AND CLEAN GEAR-DRIVEN TORQUE SWITCHES FOR MOTOR OPERATED VALVES	
7.021 (M)	TEST GEAR-DRIVEN TORQUE SWITCHES FOR MOTOR OPERATED VALVES	
7.022 (M)	REPLACE GEAR-DRIVEN TORQUE SWITCHES FOR MOTOR OPERATED VALVES	
7.023 (M)	ADJUST TORQUE SETTINGS ON SWITCHES (LIMITORQUE)	X
TASK		**CTT**

113 = 62%
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ELECTRICAL
CORE JOURNEYMAN SKILLS

NUMBER	TASK TITLE	PROGRESSION TASKS
DUTY AREA 7: AUXILIARY COMPONENTS (CONT'D)		
7.024 (M)	REPLACE LIMITORQUE MOTOR	
7.025 (M)	REPAIR/REPLACE ANNUNCIATOR COMPONENTS	X
7.026	CLEAR ANNUNCIATOR GROUNDS	X
7.029 (M)	TEST CATHODIC PROTECTION	X
7.030 (M)	REPLACE CATHODIC PROTECTION	X
7.034	COMPLETE STEAM AND MECHANICAL FUNDAMENTALS COURSE - OP010	
7.035 (M)	ELECTRICALLY TROUBLESHOOT PLANT FIRE SYSTEM	X
7.037	TROUBLESHOOT SOOTBLOWER CONTROLS	
7.040 (M)	COMPLETE LIMITORQUE MAINTENANCE COURSE - MM102	
DUTY AREA 8: ELECTRICAL AND ELECTRONIC EQUIPMENT		
8.013 (M)	TEST/CLEAN/CHECK GENERATOR VOLTAGE REGULATOR	X
8.015 (M)	CLEAN AND INSPECT CRANE ELECTRICAL COMPONENTS	X
8.016	ADJUST ELECTRICAL BRAKES ON CRANES	
8.023 (M)	COMPLETE MICROPROCESSOR COURSE - EM053	
8.024 (M)	COMPLETE ELECTRONICS I - DC CIRCUITS COURSE - IC056	
8.025 (M)	COMPLETE ELECTRONICS II - AC CIRCUITS COURSE - IC057	
8.026 (M)	COMPLETE ELECTRONICS III - BASIC ELECTRONICS COURSE - IC059	
8.027 (M)	COMPLETE ELECTRONICS IV - ELECTRONIC CIRCUITS COURSE - IC060	
8.028	REPAIR CIRCUIT BOARDS	
8.029	COMPLETE ADVANCED DIGITAL LOGIC CONCEPTS COURSE - EM051	
8.030 (M)	COMPLETE DIGITAL ELECTRONIC CONCEPTS AND APPLICATIONS COURSE - EM049	

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ELECTRICAL
CORE JOURNEYMAN SKILLS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
DUTY AREA 8: ELECTRICAL AND ELECTRONIC EQUIPMENT (CONT'D)		
8.031 (M)	CALIBRATE TIME DELAY DEVICES	X
8.032 (M)	FUNCTIONALLY TEST AND ADJUST LIMIT SWITCHES	X
8.036 (M)	COMPLETE TECHNICAL MATH COURSE - IC002	
8.037 (M)	TEST MOTOR SPACE HEATER FOR OPERATION	X
8.040 (M)	ADJUST GEAR-DRIVEN LIMIT SWITCH	X
8.041	COMPLETE MICROPROCESSOR TROUBLESHOOTING COURSE - EM055	
DUTY AREA 9: DOCUMENTATION		
9.001 (M)	PREPARE WORK REQUEST/TROUBLE REPORT	X
9.002 (M)	FILL IN A TR/WR INDICATING COMPLETION OF JOB	X
9.003 (M)	REQUEST/ACCEPT/RELEASE A CLEARANCE	X
9.005 (M)	READ AND UNDERSTAND FLOW DIAGRAMS (P&ID'S)	X
9.006 (M)	REVISE DRAWINGS, DIAGRAMS, OR PRINTS	X
9.012 (M)	ORDER PARTS USED FOR PARTICULAR JOB	X
9.013 (M)	USE ELECTRICAL AND ELECTRONIC SCHEMATIC DIAGRAMS	X
9.014	USE CONTROL SYSTEM DIAGRAMS/PRINTS	X
9.015 (M)	USE LOGIC SCHEMATICS	X
9.016 (M)	USE MATERIAL SAFETY DATA SHEETS (MSDS) MANUAL	X
9.017 (M)	BE FAMILIAR WITH HAZARDOUS WASTE POLICY	X
9.018 (M)	COMPLETE PRINT READING COURSE - EM029	
9.019 (M)	COMPLETE IN-PLANT SWITCHING AND TAGGING COURSE - AC076	X
9.020 (M)	COMPLETE PIPING & INSTRUMENT DRAWING (P&ID) PRINT READING COURSE - AC028	

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ELECTRICAL
CORE JOURNEYMAN SKILLS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
DUTY AREA 10: MISCELLANEOUS		
10.002 (M)	CLEAN AND/OR REPLACE FILTRATION ELEMENT (CLOTH, STEEL, MESH, FIBER)	X
10.005	INSPECT A "V" BELT	X
10.007 (M)	LAYOUT AND SET-UP PARTS AND TOOLS	X
10.010 (M)	PERFORM SILVER PLATING ON ELECTRICAL EQUIPMENT	
10.011 (M)	PREPARE/MAKE HIGH VILTAGE TERMINATIONS	
10.012 (M)	PREPARE/MAKE LOW VOLTAGE TERMINATIONS	X
10.013 (M)	MAKE A SHRINK TUBE (RAYCHEM) CONNECTION	
10.016 (M)	SOLDER AND DESOLDER COMPONENTS/TERMINALS	X
10.018 (M)	BEND CONDUIT USING A CONDUIT BENDER	X
10.019 (M)	REMOVE/INSTALL CONDUIT	X
10.020 (M)	SELECT TUBING CONDUIT FITTINGS, MATERIALS AND SIZE FOR APPROPRIATE APPLICATION	X

124 = 66%
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MECHANICAL
CORE JOURNEYMAN SKILLS

DUTY AREA 1: SUPPORT EQUIPMENT

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
1.001	OPERATE A FORKLIFT	X
1.003	USE LIGHT RIGGING AND CHARTS	X
1.005	RIG AND TURN OVER A PIECE OF EQUIPMENT	X
1.006	ERECT AND USE A TUBULAR WELDED FRAME SCAFFOLD AT LEAST TWO SECTIONS HIGH WITH OR WITHOUT WHEELS	X
1.008	OPERATE AN OVERHEAD CRANE TO MAKE A LIFT	X
1.009	DIRECT AN OVERHEAD CRANE LIFT FROM FLOOR USING ALL APPROVED HAND SIGNALS	X
1.010	OPERATE A MOBILE CRANE	X
1.013	SECURE AND TRANSPORT EQUIPMENT	X
1.014	MAINTAIN RIGGING EQUIPMENT	X
1.016	PERFORM ROUTINE PM'S ON EMERGENCY DIESELS	—
1.018	INSPECT AND MAINTAIN OVERHEAD CRANE	X
1.020	USE A SAND BLASTER TO CLEAN SURFACES	X
1.023	DIRECT A MOBILE CRANE USING ALL APPROVED HAND SIGNALS	X
1.025	OPERATE A TUGGER	—

124 = 66%
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MECHANICAL
CORE JOURNEYMAN SKILLS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
DUTY AREA 1: SUPPORT EQUIPMENT (CONT'D)		
1.026	USE COME-A-LONGS AND CHAINFALLS	X
1.028	COMPLETE MOBILE CRANE COURSE - MM046	—
1.029	COMPLETE OVERHEAD CRANE COURSE - AC024	—
1.030	COMPLETE FORKLIFT COURSE - AC020	—
1.034	REPAIR AIR MOTOR TYPE CLECO WP421 SERIES IMPACT WRENCH	—
1.036	COMPLETE RIGGING AND LIFTING COURSE - MM025	—
1.037	COMPLETE PIPING AND INSTRUMENTATION DIAGRAM (FLOW DIAGRAM) COURSE - OP052	—
1.038	COMPLETE BLUE PRINT READING COURSE - MM024	—
1.039	COMPLETE SCAFFOLDING COURSE - MM056	—
DUTY AREA 2:	**SHOP EQUIPMENT**	
2.001	DRESS A FLOOR STAND GRINDER WHEEL AND ADJUST TOOL REST	X
2.002	SHARPEN DRILL BITS OF VARIOUS SIZES	X
2.003	USE AN IMPACT WRENCH	X
2.004	USE A PORTABLE GRINDER	X
2.005	USE PORTABLE DRILLS	X

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MECHANICAL
CORE JOURNEYMAN SKILLS

DUTY AREA 2: SHOP EQUIPMENT (CONT'D)

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
2.006	OPERATE AND MAINTAIN A DRILL PRESS	X
2.007	INSTALL A NEW BLADE ON A POWER BAND SAW	X
2.008	REMOVE A BROKEN TAP OR TWIST DRILL FROM A PIECE OF STEEL	X
2.009	HAND THREAD VARIOUS SIZES OF PIPE WITH HAND DIES	X
2.010	OPERATE AN ABRASIVE CUT-OFF SAW	X
2.011	OPERATE AND MAINTAIN LATHE	X
2.012	CUT AND INSTALL A GASKET	X
2.014	MACHINE THREAD, VARIOUS SIZES OF PIPES	X
2.016	OPERATE A HORIZONTAL BAND SAW	X
2.017	OPERATE A LAPPING MACHINE	—
2.020	CUT A KEYWAY AND MACHINE A KEY	—
2.021	USE TORQUE MULTIPLIER	X
2.022	OPERATE STEAM CLEANER	—
2.023	REMOVE AND REPLACE A FLOOR STAND GRINDER WHEEL	X
2.024	DRILL AND TAP A HOLE USING A DRILL CHART	X

MECHANICAL
CORE JOURNEYMAN SKILLS

DUTY AREA 2: SHOP EQUIPMENT (CONT'D)

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS	
2.025	SET UP AND USE A CYLINDER HONE	X	
2.026	MAKE A BOLT THREAD USING A HAND DIE	X	
2.027	USE SAFETY WIRING AND LOCKING TAB TOOLS	X	
2.028	USE A TORQUE WRENCH	X	
2.030	USE STRAIGHT AND TAPERED REAMERS	X	
2.031	COMPLETE BASIC HAND TOOLS COURSE - MM010	—	
2.032	USE MECHANICAL WHEEL AND BEARING PULLERS	X	
2.034	OPERATE A HIGH PRESSURE CLEANER	X	
2.035	OPERATE A HYDRAULIC PRESS	X	
2.036	OPERATE AN ARBOR PRESS		X
2.040	PROPERLY DISPOSE OF WASTE (OIL, HAZARDOUS, ETC.)	X	
2.041	BROACH A KEYWAY	—	
2.042	COMPLETE GENERAL SHOP PRACTICES COURSE - MM022	—	
2.043	COMPLETE LATHE FUNDAMENTALS COURSE - MM082	—	
2.044	COMPLETE MILLING MACHINE COURSE - MM083	—	

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MECHANICAL
CORE JOURNEYMAN SKILLS

DUTY AREA 3: MEASURING INSTRUMENTS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
3.001	READ AN OUTSIDE MICROMETER	X
3.003	READ AN INSIDE MICROMETER	X
3.004	USING "V" BLOCKS, CHECK RUNOUT ON A SHAFT	X
3.005	ALIGN A MOTOR TO A PUMP USING DIAL INDICATOR METHOD	X
3.006	ALIGN A VERTICAL PUMP	X
3.009	COMPLETE MEASURING INSTRUMENTS COURSE - MM021	—
3.010	READ A VERNIER CALIPER	X
3.012	USE A THREAD GAUGE	X
3.014	COMPLETE COUPLING AND SHAFT ALIGNMENT COURSE - MM045	—
3.015	COMPLETE GENERAL SHOP MATH COURSE - MM023	—

DUTY AREA 4: VALVES

4.002	REPACK A VALVE AND ADJUST PACKING	X
4.004	INSPECT AND REPAIR A BUTTERFLY CHECK VALVE	X
4.005	INSPECT AND REPAIR A LIFT CHECK VALVE	X

MECHANICAL
CORE JOURNEYMAN SKILLS

DUTY AREA 4: VALVES (CONT'D)

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
4.006	INSPECT AND REPAIR A BALL CHECK VALVE	X
4.007	INSPECT AND HAND LAP A VALVE SEAT	X
4.010	INSPECT AND REPAIR A PRESSURE SEAL RING VALVE	X
4.011	REPAIR A SWING CHECK VALVE	X
4.013	REPAIR A GATE VALVE	X
4.014	REPAIR A GLOBE VALVE	X
4.015	REPAIR A PLUG TYPE VALVE	X
4.016	REPAIR A DIAPHRAGM VALVE	X
4.017	REPAIR A BUTTERFLY VALVE	X
4.018	REPAIR A FLANGE TYPE BALL VALVE	X
4.019	REPAIR A REED VALVE	X
4.022	INSPECT AND REPAIR A FREE FLOW, REVERSE CURRENT, INTERNAL BALANCE BLEEDER CHECK VALVE	—
4.024	INSPECT AND REPAIR A KNIFE GATE VALVE	X
4.031	COMPLETE PACKING AND SEALS COURSE - AC075	—
4.032	COMPLETE VALVE MAINTENANCE COURSE - MM031	—

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MECHANICAL
CORE JOURNEYMAN SKILLS

DUTY AREA 5: PUMPS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
5.001	REPACK AND ADJUST PUMP PACKING	X
5.002	REPLACE A PUMP MECHANICAL SEAL	X
5.004	DISASSEMBLE AND INSPECT A SMALL ONE STAGE CENTRIFUGAL PUMP	X
5.007	REPAIR GEAR PUMP (POSITIVE DISPLACEMENT)	X
5.011	REPAIR DIAPHRAGM METERING PUMP	X
5.013	INSPECT AND REPAIR A NASH VACUUM PUMP	—
5.014	COMPLETE MECHANICAL SEAL MAINTENANCE COURSE - MM062	—
5.015	INSPECT AND REPAIR VERTICAL MULTI-STAGE PUMP	—
5.018	INSTALL A SPLIT MECHANICAL SEAL	X
5.019	COMPLETE CENTRIFUGAL PUMP MAINTENANCE COURSE - MM029	—
5.020	COMPLETE VERTICAL PUMP MAINTENANCE COURSE - MM014	—
DUTY AREA 6:	**TURBINES**	
6.002	CLEAN SEAL JOINTS AND FACES	X
6.004	REMOVE AND REPLACE TURBINE BOLTS OR STUDS	X
6.005	REMOVE AND LABEL TURBINE BODY BOUND BOLTS OR DOWELS	X

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MECHANICAL
CORE JOURNEYMAN SKILLS

DUTY AREA 6: TURBINES (CONT'D)

TASK	TASK TITLE	CT PROGRESSION	NUMBER
6.006	CLEAN AND INSPECT TURBINE BOLTS AND STUDS ON LP SHELL	—	
6.007	REMOVE STEAM SEALS	—	
6.008	FIT TURBINE BEARINGS	—	
6.010	REMOVE/INSTALL MANWAY COVERS AND GASKETS	X	
DUTY AREA 7:	**TRAPS, STRAINERS, AND FILTRATIONS**		
7.003	CLEAN OR REPLACE FILTRATION ELEMENT (CLOTH, STEEL, MESH, FIBER)	X	
7.005	CLEAN A DUPLEX STRAINER	X	
7.008	DISASSEMBLE, CLEAN AND REASSEMBLE AN INVERTED PRESSURE TRAP	—	
DUTY AREA 8:	**AUXILIARY EQUIPMENT**		
8.002	INSPECT A "V" BELT	X	
8.003	INSPECT A CHAIN DRIVE	X	
8.004	OVERHAUL A TRAVELING WATER SCREEN	—	
8.005	OVERHAUL AN AIR COMPRESSOR	X	
8.006	INSPECT FAN DAMPERS INLET GUIDE VANES AND PERFORM PREVENTATIVE MAINTENANCE	X	
8.007	INSPECT DUCTWORK EXPANSION JOINT	X	

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MECHANICAL
CORE JOURNEYMAN SKILLS

DUTY AREA 8: AUXILIARY EQUIPMENT (CONT'D)

TASK NUMBER	TASK TITLE	CT PROGRESSION TASKS
8.008	INSPECT AND/OR REPLACE FAN BEARING SEAL	X
8.013	OVERHAUL HYDRAULIC CYLINDER	X
8.015	INSPECT AND LUBRICATE TRAVELING SCREENS	—
8.044	COMPLETE HYDRAULIC TROUBLESHOOTING AND BASICS COURSE - MM035	—
8.049	ROLL OUT AND RE-INSTALL FAN BABBITT BEARINGS	—
8.051	MAKE REPAIRS TO FD FAN DISCHARGE DAMPER AND/OR DAMPER LINKAGE	—
8.053	DRAIN AND REFILL EQUIPMENT LUBRICATING OIL	X
8.079	OVERHAUL A PNEUMATIC CYLINDER	X
8.080	COMPLETE AIR COMPRESSOR AND BLOWER COURSE - MM032	—

DUTY AREA 9: BEARINGS AND COUPLINGS

9.001	CHANGE AN ANTIFRICTION BEARING	X
9.002	INSPECT A NEW CUTLESS RUBBER BEARING	—
9.003	INSPECT OIL SLINGER RINGS	—
9.005	INSPECT A SPLIT JOURNAL BEARING FOR PROPER CLEARANCE ALLOWANCE	X

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MECHANICAL
CORE JOURNEYMAN SKILLS

DUTY AREA 9: BEARINGS AND COUPLINGS (CONT'D)

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
9.007	LUBRICATE A GEAR TYPE COUPLING	X
9.008	DISMANTLE, CLEAN, INSPECT AND REINSTALL A GRID TYPE COUPLING	X
9.009	REMOVE, INSPECT, CLEAN AND INSTALL RIDGID DRIVE COUPLING	X
9.011	COMPLETE BEARINGS AND LUBRICATION COURSE - MM028	—
9.013	INSPECT KINGSBURY THRUST BEARINGS	—
9.014	INSPECT TILT PAD BEARINGS	—
9.016	INSPECT AND REPAIR FLUID COUPLINGS	—
9.017	COMPLETE MECHANICAL DRIVES, COUPLINGS & ALIGNMENT COURSE - MM026	—

DUTY AREA 10: HEAT EXCHANGERS

10.002	PRESSURE TEST A FEEDWATER HEATER FOR LEAKS	—
10.004	DISASSEMBLE AND INSPECT SMALL HEAT EXCHANGER (AFTER COOLER)	X
10.005	CLEAN CONDENSER TUBES AND CHECK FOR TUBE LEAKS AND PLUG	—
10.013	REMOVE CONDENSER TUBES, FABRICATE AND INSTALL PLUGS	—

124/188 = 66%

MECHANICAL
CORE JOURNEYMAN SKILLS

DUTY AREA 11: PIPING AND PIPING SUPPORTS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
11.007	INSPECT AND/OR REPAIR STATIONARY HEADERS	—
11.009	INSPECT PIPING AND PIPING JOINTS (UNIONS, FLANGES, ETC.)	X
11.011	REMOVE, INSPECT AND REINSTALL RESTRICTION ORIFICES	X
11.012	INSPECT OR REPLACE INLINE EXPANSION JOINTS	X
11.014	REPAIR PVC PIPING	X
11.015	REPAIR FIBERGLASS PIPING OR TANKS	X
11.016	COMPLETE PIPING COURSE - MM030	—
11.017	COMPLETE ADVANCED PIPE FITTING COURSE - MM036	—

DUTY AREA 12: MISCELLANEOUS

12.001	LAYOUT AND SET-UP PARTS AND TOOLS	X
12.002	PERFORM NON-CERTIFIED WELDING	X
12.003	INSPECT WELDING EQUIPMENT	X
12.004	CLEAN WELDS FOR INSPECTION	X
12.007	CLEAN GLASS TUBE LEVEL SIGHTGLASS	X
12.011	PREPARE A WORK REQUEST	X

124 = 66%
188

MECHANICAL
CORE JOURNEYMAN SKILLS

DUTY AREA 12: MISCELLANEOUS (CONT'D)

TASK NUMBER	TASK TITLE	CT PROGRESSION TASKS	
12.012	REQUEST, RECEIVE AND RELEASE A CLEARANCE	X	
12.014	PERFORM BRAZING	X	
12.015	PERFORM SOLDERING		X
12.020	PREPARE PIPES AND VALVES FOR WELDING	X	
12.021	REPAIR A SIGHT LEVEL GAUGE	X	
12.022	DEMONSTRATE SAFETY PROCEDURE WHEN WORKING ON/AROUND SYSTEM CONTAINING CAUSTIC OR ACIDIC SOLUTION	—	
12.023	USE A TORCH FOR HEATING	X	
12.024	SAFELY STORE AND HANDLE OXY-FUEL CYLINDERS	X	
12.026	CUT VARIOUS THICKNESS OF STEEL PLATE, PIERCE HOLES AND CUT SLOTS IN STEEL PLATE, USING TORCH	X	
12.028	WASH A NUT OFF A BOLT USING OXY/ACT	X	
12.030	ASSEMBLE AND DISASSEMBLE OXYGEN AND ACETYLENE EQUIPMENT	X	
12.032	INSTALL A SPIRAL WOUND GASKET	X	
12.033	PROPERLY USE HIGH TEMPERATURE SEALING MATERIAL		X
12.034	USE EPOXY TYPE WEAR COMPOUNDS		—

124 = 66%
188

MECHANICAL
CORE JOURNEYMAN SKILLS

DUTY AREA 12: MISCELLANEOUS (CONT'D)

TASK NUMBER	TASK TITLE	CT PROGRESSION TASKS
12.035	USE FLOW DIAGRAMS (P & ID'S)	X
12.036	USE BLUEPRINTS	X
12.037	IDENTIFY DIFFERENT TYPES OF PACKING AND ITS USES	X
12.038	PERFORM LUBRICATION ON STATIONARY AND MOBILE EQUIPMENT	X
12.039	COMPLETE POWER PLANT STEAM AND MECHANICAL FUNDAMENTALS COURSE - OP010	—
12.040	REMOVE AND DISPOSE OF PLANT INSULATION	X
12.041	CLEAN EQUIPMENT WITH SOLVENT	X
12.042	LOCATE AND DISCUSS THE USE OF VARIOUS EMERGENCY EYE WASH STATIONS	X
12.043	LOCATE EMERGENCY CABINET AND LOCKERS	X
12.051	WASH BOILER	—
12.052	ASSIST IN REPAIR OF A BOILER TUBE	—
12.053	HANG A SKYCLIMBER	—
12.054	USE DYE PENETRANT TO CHECK FOR CRACKS	X
12.057	COMPLETE BRAZE & BRAZE WELDING COURSE - MM073	—

MECHANICAL
CORE JOURNEYMAN SKILLS

DUTY AREA 12: MISCELLANEOUS (CONT'D)

TASK NUMBER	TASK TITLE	CTT PROGRESSION	TASKS
12.058	FILL OUT SYSTEM ISSUE DOCUMENT	X	
12.059	FILL OUT SYSTEM RETURN DOCUMENT	X	
12.060	COMPLETE SKYCLIMBER COURSE - MM085	—	
12.061	COMPLETE OXYGEN-FUEL GAS CUTTING COURSE - MM072		—
12.062	COMPLETE BOILER & BOILER EQUIPMENT COURSE - MM033	—	
12.064	COMPLETE PRINCIPLES OF WELDING & METALLURGY COURSE - MM069		—
12.065	COMPLETE GENERAL WELDING TECHNIQUES & SAFETY PRECAUTIONS COURSE - MM071		—
12.067	COMPLETE IN-PLANT SWITCHING & TAGGING COURSE - AC076		X

28 = 55%

PLANT OPERATOR CORE TASK LIST 51

NUMBER	TASK TITLE	CTT PROGRESSION TASKS
1)	RECEIPT AND UNLOADING OF LIGHT OIL TRUCK TO PROPER STORAGE TANK - DUTY AREA 7, PPSCN1-0107.002	X
2)	CIRCULATING WATER SYSTEM - DUTY AREA 11, PPSCN1-0111.013. This is an overview of the entire circulating water system and its relationship to integrated plant.	
3)	PERFORM WATER CHEMISTRY CHECKS AT THE LAB - DUTY AREA 17, PPSCN1-0117.007. This task requires that the PO be familiar with the readings available on the lab recorders and indicators when lab techs are not present.	X
4)	RACK IN AND RACK OUT AN ELECTRICALLY OPERATED 480V BREAKER - DUTY AREA 30, PPSCN1-0130.016 AND .017. Covers 480V breakers that have remote control switches associated with them.	X
5)	PERFORM OPERATIONS WEEKLY EQUIPMENT SWAP - DUTY AREA 33, PPSCN1-0133.006.	X
6)	READ A SYSTEM P&ID - DUTY AREA 35, PPSCN1-0135.006.	X
7)	CONDENSATE SYSTEM - DUTY AREA 9, PPSCN1-0200.009. This is an overview of the entire condensate system and its relationship to integrated plant.	
8)	PERFORM WATERBOX FILL, VENT AND DRAIN - DUTY AREA 11, PPSCN1-0211.003 AND .004.	
9)	AUXILIARY COOLING WATER SYSTEM - DUTY AREA 13, PPSCN1-0200.013. This is an overview of the entire aux cooling water system and its relationship with integrated plant.	X
10)	STATION AND CONTROL AIR SYSTEMS - DUTY AREA 18, PPSCN1-0200.018. This is an overview of the entire station and control air system and its relationship to integrated plant.	X
11)	INSPECT OPERATING TURBINE OIL CONDITIONER - DUTY AREA 22, PPSCN1-0222.008.	
12)	FIRE PROTECTION SYSTEM - DUTY AREA 28, PPSCN1-0200.028. This is an overview of the entire fire protection system and its relation to integrated plant, system boundaries, operation of deluge valves, etc.	X
13)	MAIN AND REHEAT STEAM SYSTEM - DUTY AREA, PPSCN1-0300.001. This is an overview of the entire main and reheat steam system and its relationship with integrated plant, system boundaries, safety valves, temperature and pressure limits, auxiliary steam, etc.	
14)	BOILER AIR AND GAS SYSTEM - PPSCN1-0300.002. This is an overview of the entire air and gas system and its relationship to integrated plant.	X

NUMBER	TASK TITLE	CTT PROGRESSION TASKS
15)	FEEDWATER SYSTEM - DUTY AREA 10, PPSCN1-0300.010. This is an overview of the entire feedwater system and its relationship to integrated plant, system boundaries, major equipment, heater drains, etc.	
16)	SERVICE WATER SUPPLY AND STORAGE SYSTEM - DUTY AREA 12, PPSCN1-0300.012. This is an overview of the listed system and its relationship to integrated plant, system boundaries, etc.	X
17)	CONDENSER AIR EXTRACTION SYSTEM - DUTY AREA 15, PPSCN1-0300.015. This is an overview of the listed system and its relationship with integrated plant, the purpose, operation of vacuum pumps, etc.	
18)	GENERATOR COOLING, SEAL OIL AND PURGE SYSTEM - DUTY AREA 24, PPSCN1-0300.024. This is an overview of the generator cooling systems, seal oil system and casing purge provisions.	
19)	PERFORM INSIDE SHIFT CHECKS - DUTY AREA 33, PPSCN1-0333.008.	X
20)	STEAM GENERATOR - DUTY AREA 3, PPSCN1-0400.003. This is an overview of the steam generator function.	
21)	BOILER FUEL SYSTEM - DUTY AREA 6, PPSCN1-0400.006. This is an overview of the entire fuel system and its relationship to integrated plant.	X
22)	LINEUP THE IGNITOR LIGHT OIL SYSTEM - DUTY AREA 6, PPSCN1-0406.014. This task ensures that the individual understands the requirements to get the ignitor light oil system into operation and related equipment that needs to be checked.	X
23)	VERIFY SECONDARY AIR HEATER LINEUP - DUTY AREA 2, PPSCN1-0502.022.	
24)	VENTS AND DRAINS - DUTY AREA 4, PPSCH1-0500.004. The PO will understand the various drains systems within the plant, drains that return to the condenser, floor drains, receiver tanks, etc.	X
25)	FILL AND VENT HOTWELL AND CONDENSATE SYSTEM - DUTY AREA 9, PPSCN1-0509.001.	
26)	ELECTRICAL DISTRIBUTION SYSTEM - DUTY AREA 30, PPSCN1-0500.030. This is an overview of the electrical distribution system of the plant, major components, one-line diagram interpretation, etc.	X
27)	RACK OUT, REMOVE, RACK IN, INSERT INTO IT'S CUBICLE, A 6900V BREAKER - DUTY AREA 30, PPSCN1-0530.011, .012, .013, .015.	X
28)	PERFORM BOILER AREA SHIFT CHECKS - DUTY AREA 33, PPSCN1-0533.001.	X

PLANT OPERATOR CORE TASK LIST

NUMBER	TASK TITLE	CTT PROGRESSION TASKS
29)	PERFORM TURBINE AREA SHIFT CHECKS - DUTY AREA 33, PPSCN1-0633.001.	X
30)	PERFORM INSIDE MIDNIGHT SHIFT READINGS - DUTY AREA 33, PPSCN1-0633.011.	X
31)	PLACE G.R. FAN IN SERVICE, REMOVE G.R. FAN FROM SERVICE - DUTY AREA 2, PPSCN2-0902.023 AND .025. This task ensures that the plant procedures are followed and an understanding exists of the various dampers associated with the gas recirc fan are understood and what effect there will be on plant operating parameters.	
32)	INITIATE A BOILER PURGE - DUTY AREA 2, PPSCN2-0902.029	
33)	PLACE SECONDARY AIR HEATER IN/REMOVE FROM SERVICE, UNIT ON LINE - DUTY AREA 2, PPSCN2-0902.030 AND .031.	
34)	PREWARM THE MAIN STEAM SYSTEM - DUTY AREA 1, PPSCN2-1001.003.	
35)	LINEUP BOILER VENTS AND DRAINS DURING STARTUP/SHUTDOWN - DUTY AREA 4, PPSCN2-1004.001 AND .002.	
36)	OPERATE THE AIR HEATER AND BOILER SOOT BLOWING SYSTEM - DUTY AREA 3, PPSCN2-012 AND .013.	
37)	PLACE AND REMOVE LIGHTERS FROM SERVICE - DUTY AREA 6, PPSCN2-1106.018 AND .019.	
38)	PLACE IN SERVICE/REMOVE FROM SERVICE THE CONDENSER VACUUM SYSTEM - DUTY AREA 15, PPSCN2-1115.002 AND .003.	
39)	PREPARE THE MAIN TURBINE FOR STARTUP FROM MCP - DUTY AREA 20, PPSCN2-1220.001.	X
40)	PERFORM MAIN TURBINE ROTOR PREWARM, CHEST WARM, STARTUP - DUTY AREA 20, PPSCN2-.002, .003, AND .004.	
41)	PERFORM MAIN TURBINE SYNCHRONIZATION - DUTY AREA 20, PPSCN2-1220.005.	X
42)	INCREASE LOAD ON THE MAIN TURBINE DURING STARTUP - DUTY AREA 20, PPSCN2-1220.006.	X
43)	PERFORM DAILY ON-LINE MAIN STOP AND COMBINED REHEAT VALVE TESTS - DUTY AREA 21, PPSCN2-1221.002.	

CTT PROGRESSION

28 = 55%

PLANT OPERATOR CORE TASK LIST 51

NUMBER	TASK TITLE	TASKS
44)	PERFORM CONTROL ROOM AREA SHIFT CHECKS - DUTY AREA 33, PPSCN2-1333.003.	X
45)	PERFORM OPERATIONS WEEKLY AUXILIARY EQUIPMENT SWAP - DUTY AREA 33, PPSCN2-1333.006.	X
46)	SIMULATOR EMERGENCY OPERATING PROCEDURE REVIEW - OP029 - DUTY AREA 33, PPSCN2-1333.021.	X
47)	DEMONSTRATE THE ABILITY TO RESPOND TO A BOILER EMERGENCY OR ALARM CONDITION - DUTY AREA 34, PPSCN2-1334.001.	
48)	PERFORM NORMAL ACTION TO ACKNOWLEDGE THE ANNUNCIATOR SYSTEM - DUTY AREA 35, PPSCN2-1335.001.	X
49)	PREPARE RED, BLUE AND WHITE TAGS - DUTY AREA 36, PPSCN2-1336.005, .006, AND .008.	X
50)	COMPLY WITH OPACITY CONSTRAINTS - DUTY AREA 36, PPSCN2-1336.016, .017, AND .018.	X

Duty Area 1: PRIMARY ELEMENTS

132 = 74%
179

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
1.001	Check Thermocouple (T/C)	X
1.002	Replace Thermocouple (T/C)	X
1.003	Check Resistance Temperature Detector (RTD)	X
1.004	Replace Resistance Temperature Detector (RTD)	X
1.005	Check Bellows Assembly	X
1.006	Replace Bellows Assembly	X
1.007	Check Bourdon Tube	X
1.008	Replace Bourdon Tube	X
1.009	Test A Flow Element (FE)	X
1.012	Replace Capacitance Probe	X
1.015	Replace Hydrogen Cell (H_2 Cell)	
1.016	Replace Humidity Detector	X
1.020	Calibrate Position Instruments	X
1.021	Fabricate a Thermocouple (T/C)	X
1.022	Remove / Clean / Install Conductivity Cell	
1.023	Remove / Install Level Displacers	X
1.026	Remove / Install Turbine Flow Sensor (Meter)	
1.027	Inspect and Clean Turbine Flow Sensor (Meter)	
1.028	Functionally Test Turbine Flow Sensor	
1.030	Check Conductivity Cell	
1.031	Check pH Analyzer Electrode	
1.032	Remove / Install a pH Analyzer Electrode	
1.037	Complete Process Measurement Fundamentals Course - IC011	
1.039	Remove, Check and Install Diaphragm Assembly (Pressure Switch, etc)	X
1.043	Check Hydrogen Cell (H_2 Cell)	

Duty Area 2: TRANSMITTERS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
2.001	Calibrate Pneumatic Temperature Transmitter (Capillary)	X
2.002	Repair Pneumatic Temperature Transmitter (Capillary)	X
2.003	Calibrate an Electronic Pressure Transmitter (PT)	X
2.004	Repair an Electronic Pressure Transmitter (PT)	X
2.005	Calibrate an Electronic Differential Pressure Transmitter (DPT)	X
2.006	Repair an Electronic Differential Pressure Transmitter (DPT)	X
2.008	Remove / Install an RTD Transmitter	X
2.009	Calibrate an RTD Transmitter	X
2.010	Calibrate a Pneumatic Differential Pressure Transmitter (DPT)	X
2.011	Repair a Pneumatic Differential Pressure Transmitter (DPT)	X
2.012	Calibrate Displacer to Pressure Transmitter (Level Transmitter)	X
2.013	Repair Frequency to Voltage Transmitter (F/V)	X
2.0141	Calibrate Frequency to Voltage Transmitter (F/V)	X
2.019	Blowdown, Fill and Vent Transmitter and Impulse Lines (i.e., Sensing Lines, Legs, Etc.)	X
2.020	Calibrate a Thermocouple (T/C) Transmitter	X
2.021	Repair a Thermocouple (T/C) Transmitter	X
2.022	Remove / Replace a D/P Transmitter In Service Using Proper Valving Sequence	X
2.023	Complete Electronic Control Concepts Course - IC013	
2.025	Calibrate an Absolute Pressure Transmitter	X
2.026	Calibrate a Vacuum Transmitter	X
2.029	Troubleshoot / Repair a Position Transmitter	X

Duty Area 3: INDICATORS / RECORDERS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
3.001	Calibrate a pH Analyzer / Indicator	
3.002	Calibrate Analog Electronic Indicator (Edgewise, Etc.)	X
3.003	Repair Analog Electronic Indicator	X
3.006	Calibrate a Digital Indicator	X
3.007	Repair a Digital Indicator	X
3.008	Calibrate an Analog Electronic Recorder	X
3.009	Repair an Analog Electronic Recorder	X
3.012	Calibrate a Digital Recorder (L&N 165 or 250)	X
3.013	Repair a Digital Recorder (L&N 165 or 250)	X
3.014	Calibrate a Bi-Metallic Temperature Indicator (TI)	X
3.015	Calibrate a Conductivity Monitor / Indicator	
3.016	Calibrate a Level Indicator (VAREC)	X
3.017	Calibrate and Use a Portable Test Recorder	X
3.019	Remove / Install Pressure Gauges (Gauge)	X
3.020	Repair Pressure Gauges (Gauge)	X
3.021	Calibrate Pressure Gauge	X
3.022	Repair a pH Analyzer / Indicator	
3.023	Repair a Conductivity Monitor / Indicator	

Duty Area 4: CONTROLLERS / ACTUATORS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
4.003	Calibrate an Electronic Proportional Plus Integral Plus Derivative Controller	X
4.005	Repair an Electronic Proportional Plus Integral Plus Derivative Controller	X
4.006	Calibrate a Pneumatic Proportional Plus Integral Plus Derivative Controller	X
4.007	Repair a Pneumatic Proportional Plus Integral Plus Derivative Controller	X
4.010	Repair a Solenoid Valve	X
4.011	Check a Piston Actuator	X
4.012	Repair a Piston Actuator	X
4.013	Calibrate a Diaphragm Actuator	X
4.014	Repair a Diaphragm Actuator	X
4.015	Stroke a Valve Utilizing a Valve Positioner	X
4.016	Repair Valve Positioner, Single and Double Output	X
4.017	Repair Hand/Auto Station	X
4.018	Calibrate a Bulb and Capillary Pneumatic Temperature Controller	X
4.020	Calibrate a Pneumatic Pressure Controller	X
4.021	Calibrate a Pneumatic Flow Controller	X
4.022	Complete Process Control Course - IC012	
4.024	Complete Microprocessor Course - EM053	
4.028	Repair / Calibrate Chemical Pump	X
4.029	Check a Solenoid Valve	X

Duty Area 5: SPECIAL FUNCTION ELECTRONICS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
5.001	Calibrate Electronic Square Root Extractor / Converter	
5.002	Repair Electronic Square Root Extractor / Converter	
5.003	Check Current to Voltage Converter	X
5.004	Repair Current to Voltage Converter	X
5.005	Calibrate a Voltage to Current Converter	X
5.006	Repair a Voltage to Current Converter	X
5.007	Calibrate RTD Signal Conditioning Circuit	
5.008	Repair RTD Signal Conditioning Circuit	
5.011	Calibrate a Function Generator Module	
5.012	Repair a Function Generator Module	
5.021	Replace Computer Input Signal	X
5.023	Calibrate Digital to Analog Converter	X
5.030	Repair a Voltage to Voltage Converter	
5.031	Calibrate a Voltage to Voltage Converter	
5.032	Complete Electronics I - DC Circuits Course - IC056	
5.033	Complete Electronics II -= AC Circuits Course - IC057	
5.034	Complete Electronics IV - Basic Electronics Course - IC059	
5.035	Complete Electronics V - Electronic Circuits course - IC060	
5.036	Repair / Set Up a CRT Monitor	
5.037	Load Check / Calibrate a Regulated DC Power Supply	X

Duty Area 6: ELECTRO PNEUMATIC DEVICES

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
6.001	Calibrate E/P or I/P Transducer	X
6.002	Repair E/P or I/P Transducer	X

Duty Area 7: SHOP TEST EQUIPMENT

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
7.002	Solder and Desolder Components / Terminals	X
7.003	Install Terminal Connectors	X
7.004	Wire Wrap Components and Wires	X
7.005	Use compression Fittings	X
7.006	Use a Tubing Bender	X
7.009	Repair Tubing Connections	X
7.011	Inspect and Clean a Manometer	X
7.012	Use Manometers	X
7.013	Inspect, Clean and Use a Dead Weight Pump / Tester	X
7.016	Complete Oscilloscope Course - EM041	
7.017	Use a Frequency Counter and Signal Generator	X
7.018	Use an Oscilloscope to Determine Amplitude, Time, Frequency, Distortion	X
7.020	Use a DC Millivolt, Volt, Milliamp, Input/Output Source (Transmation, etc)	X
7.021	Use a (Wallace & Tiernan, Etc.) Portable Pneumatic Calibrator	X
7.022	Use a Thermocouple Calibrator (Blue Box, Omega, Transmission, Etc)	X
7.027	Identify Commonly Used Fittings	X
7.023	Use a Logic Probe	X

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
7.033	Use a Dial Indicator	X
7.034	Use an Outside Micrometer	X
7.035	Use a Thread Gauge	X
7.036	Use a Torque Wrench	X
7.037	Use a Transistor Tester	X
7.038	Use a Capacitor Tester	X
7.040	Use a Psychrometer	X
7.041	Use a Feeler Gauge	X
7.044	Complete Measuring Instruments Course - MM021	
7.045	Complete Soldering Techniques Course - IC066	

Duty Area 8: PNEUMATIC INSTRUMENTS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
8.003	Complete Pneumatic Control Concepts Course - IC014	
8.006	Repair a Pressure Regulator (Fisher 67 FR, Etc)	X

Duty Area 9: PLANT SYSTEMS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
9.036	Check Generator Hydrogen Monitor System	
9.064	Complete Advanced Digital Logics Concepts Course - EM051	
9.082	Complete Digital Electronics Concepts and Applications Course - EM049	
9.091	Calibrate TSI Vibration	X
9.095	Complete Steam and Mechanical Fundamentals Course - OP010	
9.113	Remove and Install Bentley Nevada Vibration Probes	X
9.114	Repair a Bentley Nevada Vibration Monitor System	X
9.115	Calibrate a Bentley Nevada Vibration Monitor System (Eddy-Current Probe)	X
9.120	Calibrate TSI Differential Expansion / Rotor Expansion	
9.121	Calibrate TSI Shell Expansion	
9.122	Remove / Install, Set TSI Phase Angle Probe	
9.123	Remove / Install, Then Calibrate TSI Eccentricity Detector	
9.124	Remove / Install and Calibrate TSI Turbine Speed Detector	
9.125	Complete Piping and Instrument Drawing (P & ID) Print Reading Course - AC028	

Duty Area 10: SWITCHES

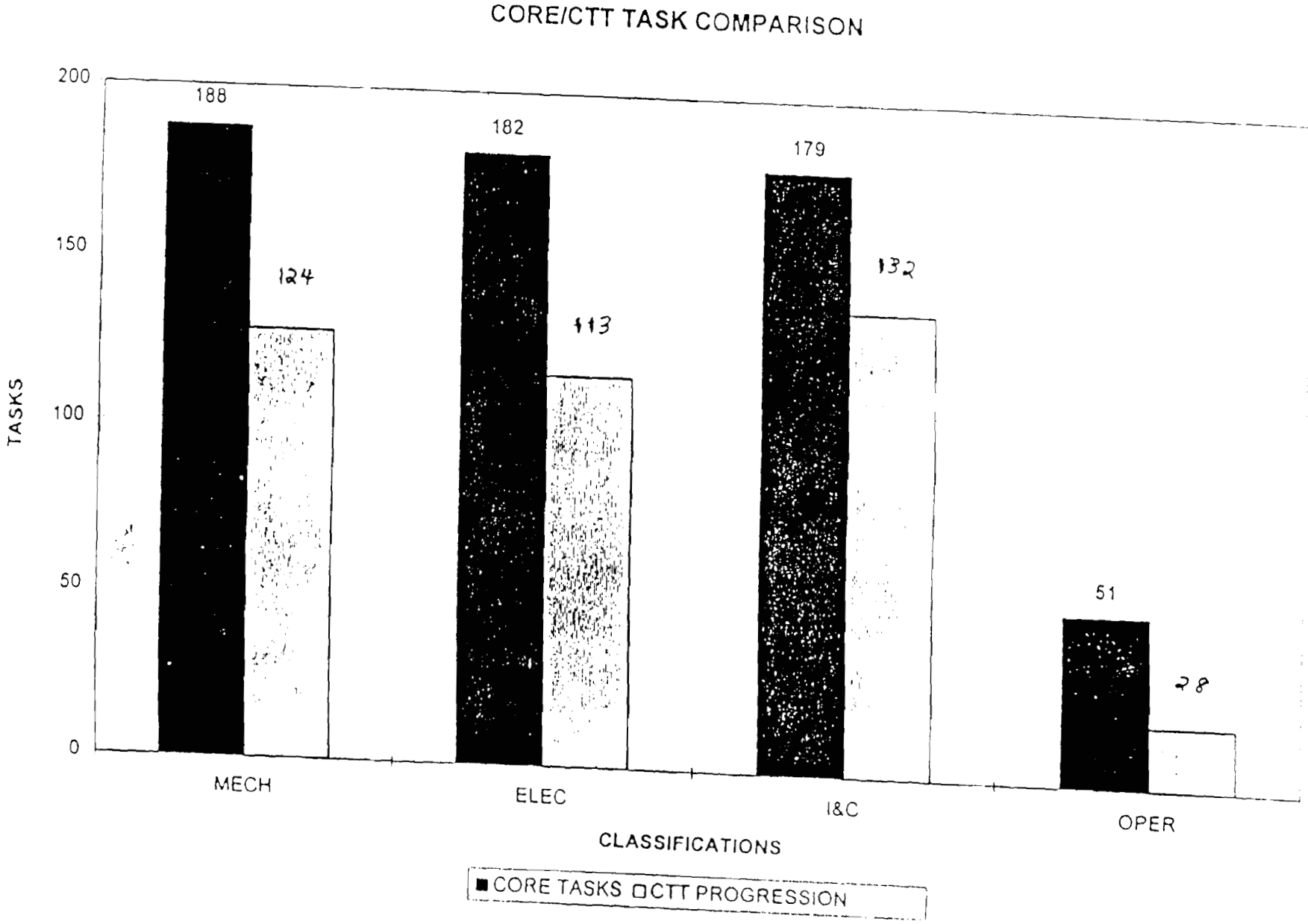
TASK NUMBER	TASK TITLE	CTT PROGRESSIO TASKS
10.001	Calibrate a Temperature Switch (TS)	X
10.002	Calibrate a Pressure Switch (PS)	X
10.003	Calibrate a Pressure Indicating Switch	X
10.004	Calibrate a Differential Pressure Switch or Differential Pressure Indicating Switch	X
10.006	Test Limit Switches	X
10.007	Remove / Install Flow Switches	X
10.008	Repair Flow Switches	X
10.009	Functionally Test Float (Level) Switches	X
10.010	Remove / Install Float (Level) Switches	X
10.011	Repair Float (Level) Switches	X
10.12	Remove / Install Temperature Switches	X
10.015	Calibrate a Vacuum Switch	X

Duty Area 11: DOCUMENTATION

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
11.003	Fill Out Trouble Report / Work Request	X
11.006	Tag Defective Tools / Equipment	X
11.008	Request, Verify, Accept and Release a Clearance	X
11.012	Complete Technical Math Course - IC002	
11.013	Complete In-Plant Switching and Tagging Course - AC076	X
11.014	Use Electrical and Electronic Schematic Diagrams/Prints	X
11.016	Use Control System Diagrams / Prints	X
11.017	Use Pneumatic / Hydraulic Diagrams / Prints	X
11.018	Use a Logic Diagram (Relay or Solid State)	X
1.019	Use Instrumentation / Valve Lists	X
1.020	Use Piping and Instrument Drawings	X
021	Use Plant System Description and control System Description Books	X

Duty Area 12: MISCELLANEOUS

TASK NUMBER	TASK TITLE	CTT PROGRESSION TASKS
12.001	Calibrate Tachometer / Speed Indicating Device	X
12.003	Locate and Use Material Safety Data Sheets (MSDS)	X
12.004	Explain Uses of Chemicals as Required for Boiler Water Treatment / Potable Water	X
12.005	Explain Proper Waste Disposal Methods	X
12.009	Explain Uses of Gases in Power Plant Systems	X
12.010	Preliminary Task Preparation	
12.011	Post Task Requirements	


CORE/CTT TASK COMPARISON
200
150
100
50
0
TASKS
188
124
182
113
179
132
51
28
MECH
ELEC
I&C
OPER
CLASSIFICATIONS
CORE TASKS
CTT PROGRESSION

1996 CONTRACT NEGOTIATIONS

CALCULATION OF TIMING ADJUSTMENT

THE 3.5% TIMING ADJUSTMENT WILL BE CALCULATED ON 2,080 HOURS.

OVERTIME CALCULATION

OVERTIME ON THE 3.5 % TIMING ADJUSTMENT WILL BE PAID AS FOLLOWS:

THE TOTAL OVERTIME AMOUNT EARNED (IN DOLLARS) FROM DECEMBER 9, 1996 THROUGH MAY 11, 1997 WILL BE MULTIPLIED BY 3.5 % TO DETERMINE THE GROSS AMOUNT DUE. FROM THIS AMOUNT, TAXES AND REQUIRED PAYMENTS (SOCIAL SECURITY, FOR EXAMPLE) WILL BE DEDUCTED. TOTAL OVERTIME AMOUNT WILL INCLUDE TIME AND ONE-HALF, DOUBLE TIME, AND PREMIUM TIME.

EXAMPLE: IF AN EMPLOYEE EARNED $3,000 IN OVERTIME BETWEEN 12/9/96 AND 5/11/97 HE WOULD RECEIVE : $3,000 X .035 = $105 BEFORE TAXES AND DEDUCTIONS.

OVERTIME AFTER BASE WAGE INCREASE

THE BASE WAGE INCREASE OF 1.5 % WILL BE EFFECTIVE ON MAY 12, 1997. OVERTIME FROM THAT DATE FORWARD WILL BE CALCULATED ON THE NEW BASE WAGE.

CALCULATION OF TIMING ADJUSTMENT EXAMPLE

FORMULA:

HOURLY WAGE AS OF MAY 12, 1997
TIMES
2080
TIMES
.035

EXAMPLE:

HOURLY WAGE	$ 21.21	
	X 2080	(HRS/YEAR)
	$ 44,116.80	
	X.035	(3.5%)
PAYMENT	$ 1,544.09	

No. 8
(Revised)

FLORIDA POWER CORPORATION
LABOR RELATIONS
UNION AGREEMENT INTERPRETATION

SUBJECT: Overhead and Underground Work Assignments

DATE: 4/30/97

TO: Supervisors of Employees Covered by Union Agreement

During the 1983-84 negotiations, Management and the Union agreed that all work on primary cables requiring hand-applied splices, secondary network cables and related network equipment shall be installed and maintained by the network section of the Line Department.

When a call-out for underground trouble, other than network, is necessary in the Jamestown and St. Petersburg Operating Centers, network and distribution personnel will be called from a common overtime list.

When a call-out for underground URD trouble is necessary, the low overtime qualified persons on the overhead and URD crews of Clearwater Line Department will be called first. When qualified overhead and URD personnel are not available, the Network personnel will be called for URD trouble.

When network personnel are not reasonably available in the St. Petersburg Operating Center, other distribution line personnel will be used on underground trouble.

Steven E. Uebel

NOTE: This is a revision.
Destroy Letter No. 8
(Dated 11/24/81, Revised
Dated 12/15/83, Revised)

METER DEPARTMENT

CHANGES PER THE 1996 NEGOTIATIONS

EFFECTIVE UPON RATIFICATION

METER DEPARTMENT STRUCTURE*
(explanation of personnel assignments)

I. Meter Department "Today"

Meter Technician (4)

Regional Metermen
(10 in field, 2 at Meter Shop)

Assistant Meter Tech. (0)

Meterman "A" (3 in shop, 3 in dielectric testing)

Meter Test Specialist (1)

Meterman "B" (6)

Meterman "C" (1)

Laborer (0)

II. Meter Department Proposed

Meter Technician (4)

Field Meter Technician
(10 in field, 2 at Meter Shop)

Working Foreman (1)

Meterman (9)

Dielectric Test Specialist (3)

Meter Worker (1)

Laborer (1)

* this document is provided only to assist in explanation of new titles and for existing workers to identify new line of progression. Staffing level numbers are provided for this purpose only. Future staffing levels to be determined by management.

Florida Power
CORPORATION

IBEW JOB QUALIFICATIONS

POSITION Meter Technician

DEPARTMENT Meter

EDUCATION

The completion of a two year post high school technical course in electronics. To include courses in computer operation and use.

EXPERIENCE

Satisfactory performance as a Meterman or similar experience. Advanced training in electronics troubleshooting and repair. Computer experience in Windows and DOS based applications.

LICENSES AND/OR CERTIFICATES

An accredited certificate of completion of a two year technical course in electronics. A valid Florida driver's license.

KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of electronic equipment and the ability to work from engineering data and schematics to calibrate and repair electrical and electronic measuring instruments. Proficient knowledge and use of personal computers. Good hand-finger-eye coordination to maintain sub-miniature electronic equipment. Able to efficiently and productively work without direct supervision. Ability to work with all levels of employees and customers.

PHYSICAL

Must have the physical ability to perform the duties of this classification. Must be available for occasional overnight travel. May be required to work in adverse outdoor environmental conditions.

Typical Tasks Required Of A
Meter Technician

Perform all duties of lower classifications
Assist in the training of lower classifications
Provide training to all FPC Departments as necessary
Assist in the evaluation of all new metering equipment
Maintain watt/watthour standard traceable to N.I.S.T. (entire FPC)
Calibrate all field watt/watthour standards (for Field Meter Technician)
Set up and program billing kw, kq, kvar, and bi-directional meters for large accounts, co-gens and tie points
Set up and program all demand data billing recorders
Support Regional Metermen in all matters regarding metering
Tie line and cogeneration metering testing
Assist engineering group - determine metering needs, provide technical support

Portable Test Equipment (Repair and calibrate all F.P.C. test equipment traceable to N.I.S.T.) including:

Maintain all Line and Service Department cable/fault locating equipment
Maintain Substation Department's moisture testing equipment, combustible gas detectors
Maintain and inventory toxic gas detectors
Maintain electronic meter reading devices
Maintain telecommunication test equipment
Customer Service - Voltage complaint monitoring equipment
Engineering - Power monitoring equipment, etc.
Power Quality monitoring equipment

End Use Survey Equipment(Load Research)

Evaluate equipment for purchase
Set up and program monitoring equipment
Coordinate with field and electricians for installation
Provide assistance for special needs and trouble shooting
Repair and calibrate

Repair, Maintain And Calibrate Test Equipment In Building Such As:

Glove tester
Blanket tester
CT and PT tester
Dielectric tester
All watthour test boards (TESCO, RFL, WECO)
Time run boards
Receiving stations
Ultrasonic blade cleaner
Bucket liner tester

Specify And Evaluate New Metering And Test Equipment

Coordinate with user departments to determine needs
Determine suitability for FPC use (accuracy, ruggedness, safety)
Coordinate with Safety Department and Distribution Standards departments

Design and Prototype Various Equipment For FPC Departments Including:

Load Management
Load Research
Energy Services
Line/Service Departments
Engineering Departments
Field Meter Technician
District Offices
Meter Reading
Revenue Protection

Florida Power
CORPORATION

IBEW JOB QUALIFICATIONS

POSITION Field Meter Technician

DEPARTMENT Meter

EDUCATION

High school diploma or equivalent required. Enrollment in a post high school technical course in electronics is desirable, but not required. Advanced training in revenue metering. Training in basic personal computer concepts.

EXPERIENCE

Satisfactory performance as a Meterman. Experience in the layout, installation, programming, testing and maintenance of primary and secondary metering schemes. Working experience with substation and generation metering, customer metering complaints and direct customer contact skills.

LICENSES AND/OR CERTIFICATES

A valid Florida driver's license is required.

KNOWLEDGE, SKILLS & ABILITIES

All skills required of a Meterman. Knowledge of metering applications and techniques. Ability to follow electrical schematics to perform field troubleshooting of metering packages. Proficient use of a personal computer. The ability to work efficiently and productively without direct supervision. The ability to effectively communicate with all levels of employees and customers.

PHYSICAL

Must have the physical ability to perform the duties of this classification. Must be available for occasional overnight travel. Must be available for callouts and is frequently required to work in adverse outdoor environmental conditions. Occasional work in confined spaces.

Typical Tasks Required Of A Field Meter Technician

Perform all duties of lower classifications

Assist in the training of lower classifications

Inspect CT jobs

Wire graphic meter cabinets (field)

Install and maintain all primary metering

Install and maintain graphic metering

Install and maintain power plant metering

Install and maintain tie-line metering

Install and maintain co-generation metering

Install and maintain substation metering

Read all graphic accounts (cabinets)

Phase angle testing of transformer-rated meters

Test all three phase meters (field)

Three phase meter maintenance (field)

Three phase meter complaint test (field)

Selective meter test (field)

Install CT jobs (field)

Field change transformer rated meters

Current Diversion Assistance (field)

Florida Power
CORPORATION

IBEW JOB QUALIFICATIONS

POSITION Working Foreman

DEPARTMENT Meter

EDUCATION

High school diploma or equivalent. Enrollment in a post high school technical course in electronics is desirable, but not required. Sufficient training and education to perform the job. Training in basic computer concepts

EXPERIENCE

Experience in the testing and maintenance of all meter types. Experience with customer metering complaints, direct contact with FPC customer representatives, PSC representatives and external customers. Successful applicant will be given a minimum of 90 days to familarize himself with Meter programming and the Meter Data Collection System (training).

LICENSES AND/OR CERTIFICATES

Valid Florida driver's license.

KNOWLEDGE, SKILLS & ABILITIES

The ability to harmoniously work with others. Good verbal and written communication skills. A practical knowledge of meter DCS, MI and CSS. Working knowledge of meter test procedures and PSC requirements. Leadership skills dealing with the daily direction and coaching of other BU employees.

PHYSICAL

Must have the physical ability to perform the duties of this classification.

Typical Tasks Required Of A
*Working Foreman
in the Meter Department

Perform all duties of lower classifications

Assist in the training of lower classifications

Make daily, weekly, monthly work assignments

(Shop) Coordinate and perform all customer/PSC witnessed complaint tests

(Shop) Coordinate/investigate billing concerns related to metering

Ensure a working stock of meters in warehouse

*An employee in this classification has responsibilities for employees in the Meter Operations area.

Florida Power
CORPORATION

IBEW JOB QUALIFICATIONS

POSITION Meterman

DEPARTMENT Meter

EDUCATION

High school diploma or equivalent. Enrollment in a post high school technical course in electronics and/or electrical theory along with basic computer concepts is desirable, but not required. Sufficient training and education to perform the duties of this classification.

EXPERIENCE

Satisfactory performance as a Laborer/Meter Worker.

LICENSES AND/OR CERTIFICATES

Valid Florida driver's license.

SKILLS, KNOWLEDGE & ABILITIES

All skills required of lower classifications. High degree of manual dexterity. Knowledge of basic electrical and electronics theory (AC & DC) and computer concepts. Ability to follow procedures and test all secondary of 240V or less and the field meter types both in shop and field. Be able to take direction, report on assignments and write legibly. Proficient use of personal computers. Ability to work with all levels of employees and customers.

PHYSICAL

Must have the physical abilities to perform the duties of this classification. Must be available for callouts and occasional overnight travel. May be required to work in adverse outdoor environmental conditions. Occasional work in confined spaces.

Typical Tasks Required Of A Meterman

Working knowledge of *Requirements for Electric Service* book

Working knowledge of portable meter test equipment

Issue meter seals and security hardware

Inspection of transformer-rated meter sockets

Test primary and secondary instrument transformers

Construct primary instrument transformer clusters

Wire graphic meter cabinets (Shop)

Calculate load on a meter

Operation and use of a company radio

Working knowledge of Meter Department training vehicle

Prepare test meters for field representatives

Working knowledge of a 10-pole test switch

Process and test Load Research survey equipment

Maintain stock of meter repair parts

Process 90-day-hold meters

Maintain department safety supplies

Program and test all meters at Demand Test Board

Current Diversion Assistance (Shop)

Program and test all multi-function meters (Shop)

Program and test all graphic meters (Shop)

Test all three phase meters (Shop/field)

Three phase meter maintenance (Shop/field)

Three phase meter complaint test (Shop/field)

Selective meter test (Shop/field)

* Install CT jobs 240V or less (field)
* Field change transformer-rated meters, 240V or less
* Current Diversion assistance (Shop/field)
* Inspect CT jobs
* Wire graphic meter cabinets (Field)
* Install and maintain primary metering
* Install and maintain graphic metering

* Field Meter Technician tasks that a Meterman must complete prior to being promoted to the Field Meter Technician classification.

** Field work limited to Suncoast area. Upgrade not required for these duties

Florida Power
CORPORATION

IBEW JOB QUALIFICATIONS

POSITION Dielectric Test Specialist

DEPARTMENT Meter

EDUCATION

High school diploma or equivalent required. Sufficient training and education to perform the duties of this classification.

EXPERIENCE

Experience in all forms of dielectric testing including rubber goods, aerial bucket trucks, aerial bucket truck liners, and instrument transformers. Basic computer concepts.

LICENSES AND/OR CERTIFICATES

Valid Florida driver's license.

KNOWLEDGE, SKILLS & ABILITIES

The ability to read and interpret ANSI guidelines that pertain to this type of work. The ability to find remote locations in the field by verbal and/or written instructions. The ability to effectively communicate with all levels of internal and external customers. The ability to productively and efficiently work without direct supervision. The ability to effectively coordinate and schedule daily work activities with that of customer.

PHYSICAL

Must have the physical ability to perform the duties of this classification. Frequent (sometimes daily) overnight travel may be required.

Florida Power
CORPORATION

IBEW JOB QUALIFICATIONS

POSITION Laborer

DEPARTMENT Meter

EDUCATION

Sufficient training and education to perform the duties of this classification. Enrollment in a post high school technical course in electronics and/or electrical theory along with basic computer concepts in desirable, but not required.

EXPERIENCE

LICENSES AND/OR CERTIFICATES

Valid Florida driver's license. Successful completion of Human Resource test. Successful completion of FPC forklift training.

SKILLS, KNOWLEDGE & ABILITIES

Ability to comprehend and carry out written and verbal instructions. Ability to use hand tools. Ability to use hand-trucks and forklifts in material handling. The ability to work with others, follow instructions and take direction.

PHYSICAL

Must have the physical abilities to perform the duties of this classification. Be able to lift up to 60 pound cartons from floor and store at heights of extended reach overhead. Must be available for occasional overnight travel.

Typical Tasks Required Of A
Laborer
In The Meter Department

Housekeeping

Meter codes and form numbers

Forklift training

Process incoming meters

Process incoming instrument transformers

Operation of receiving station

Preparation of incoming meters for test

Maintain warehouse stock

Operation of shipping station

Receive department supplies and equipment

Ship department supplies and equipment

Receive and ship courier boxes

Issue metering equipment

Operation of cellular telephone

Operation of cargo truck

Deliver supplies to System Operating Centers

* Sketch the internal design of a single phase meter
* Know the accuracy limits of a single phase meter
* Be able to use mathematical formula relating to single phase meters
* Perform single phase "high potential" test for single phase meters
* Single phase meter test

* Meter Worker tasks that a Laborer must complete prior to being promoted to the Meter Worker classification. Task for training only. Once trained, will be upgraded in future for task with *

Florida Power
CORPORATION

IBEW JOB QUALIFICATIONS

POSITION Meter Worker

DEPARTMENT Meter

EDUCATION

Sufficient training and education to perform the duties of this classification. Enrollment in a post high school technical course in electronics and/or electrical theory along with basic computer concepts is desirable, but not required.

EXPERIENCE

Satisfactory performance as a Laborer in the Meter Department.

LICENSES AND/OR CERTIFICATES

Valid Florida driver's license. Successful completion of FPC forklift training.

SKILLS, KNOWLEDGE & ABILITIES

All skills required of Laborer classification. The ability to use hand tools. Good hand-eye coordination. Legible writing and the ability to follow instructions and take direction. Ability to follow procedures and test single phase meters at Watthour Test Stations.

PHYSICAL

Must have the physical abilities to perform the duties of this classification.

Typical Tasks Required Of A Meter Worker

Sketch the internal design of a single phase meter

Know the accuracy limits of a single phase meter

Be able to use mathematical formula relating to single phase meters

Perform single phase "high potential" test for single phase meters

Single phase meter test

Single phase meter repair

Single phase factory acceptance test

Single phase selective meter test

Single phase meter conversion

Single phase "high bill" complaint test

* Working knowledge of "Requirement For Electric Service" book
* Working knowledge of portable meter test equipment
* Issue meter seals and security hardware
* Inspection of transformer-rated meter sockets
* Calculate load on a meter
* Test three phase meters (Shop)

* Meterman tasks that a Meter Worker must complete prior to being promoted to the Meterman classification. Once task is complete, employee will be upgraded to perform in the future.

FLEET SERVICES DEPARTMENT

CHANGES PER THE 1996 NEGOTIATIONS

EFFECTIVE UPON RATIFICATION

Florida Power
CORPORATION

IBEW JOB QUALIFICATIONS

POSITION Fleet Services Mechanic "A"

DEPARTMENT Fleet Services

EDUCATION

Sufficient training and education to perform the duties of this classification. Must include advanced training in automotive equipment repair and hydraulics. Must have sufficient reading ability to comprehend automotive repair and training manuals.

EXPERIENCE

As required to acquire the skills, knowledge and abilities noted in the designated section below.

LICENSES AND/OR CERTIFICATES

- Class A CDL with Tanker and Hazmat endorsements.
- State AC Certification

KNOWLEDGE, SKILLS AND ABILITIES

As required to proficiently maintain, diagnose problems, and repair all Fleet vehicles and equipment. This includes all common automotive systems in addition to Aerial bucket truck, digger derrick and crane mechanical, electrical and hydraulic systems. Ability to guide and instruct Junior Mechanics in proper work procedures on the job. Competent skills in welding, brazing and basic fabrication.

PHYSICAL

Shall have physical abilities.

FLEET SERVICES MECHANIC SKILL REQUIREMENTS

Prior to Mechanic "A"

Task No.	Task Title
	Troubleshoot and Service A/C Systems (State Certification)
214	Troubleshoot Ignition System
226	Troubleshoot Gas Engine Fuel System
254	Troubleshoot Diesel Fuel System, Electronic
401	Perform Hydraulic Pressure/Flow Tests
402	Adjust Hydraulic Pressure Bucket
403	Adjust Hydraulic Pressures Altec
404	Troubleshoot Hydraulic Systems
406	Adjust Holding Valves
407	Replace Holding Valve External Type
408	Replace Holding Valve Internal Type
409	Replace Upper Boom Erection Cylinder
411	Rebuild Hydraulic Cylinder
413	Overhaul Control Valve
419	Troubleshoot Electrol System
420	Troubleshoot and Repair H.O.P. System
421	Test and Adjust H.O.P.
424	Troubleshoot Electric Boom Controls
426	Adjust Leveling Cable
427	Replace Boom Cylinder Pins
428	Replace Boom Pivot Shaft
429	Install Basket Shaft Bearings
432	Adjust Rotation Gear Box
438	Replace Erection Cables

Florida Power
CORPORATION

IBEW JOB QUALIFICATIONS

POSITION Fleet Services Mechanic "B"

DEPARTMENT Fleet Services

EDUCATION

Sufficient training and education to perform the duties of this classification. Must have sufficient reading ability to comprehend repair and training manuals.

EXPERIENCE

Successful completion of a state approved Automotive Mechanic's Vo-Tech Program or equivalent; or experience as required to acquire the skills, knowledge and abilities noted in the designated section below.

LICENSES AND/OR CERTIFICATES

Class A CDL with Tanker and Hazmat endorsements.

KNOWLEDGE, SKILLS & ABILITIES

Working knowledge of automotive equipment repair including: engines, transmissions, axles, brakes, fuel systems and cooling systems. Proficient use of hand tools. Ability to read and comprehend repair and training manuals.

PHYSICAL

Shall have the physical ability.

FLEET SERVICES MECHANIC SKILL REQUIREMENTS

Entry Level Mechanic "B" (Must Demonstrate within Probation)

Task No.	Task Title
100	Complete Forms and Reports
103	Maintain Storage Batteries
104	Jump Start Vehicle
105	Maintain Oxy-Acetylene Torch and Cart
106	Operate Fork Lift
108	Use a Torque Wrench
109	Use a Torque Multiplier
110	Operate a Band Saw
111	Operate a Drill Press
112	Operate a Bench Grinder
114	Reading a Micrometer
117	Tapping a Hole
118	Use a Thread Die
201	Troubleshoot Stop and Turn Signal
204	Troubleshoot Cranking System
209	Troubleshoot Charging System
215	Troubleshoot Cooling System
228	Troubleshoot Gas Engine Mechanical
301	Troubleshoot Hydraulic Brake System
305	Inspect Hydraulic Brakes
307	Perform Hydraulic Brake Job
337	Troubleshoot Tire Wear
338	Adjust Toe-In
346	Front Wheel Bearing Maintenance
347	Rear Wheel Bearing Maintenance
350	Service Automatic Transmission
365	Replace U-Joints
374	Replace Pinion Seal
501	Perform P.M.A. Inspection

FLEET SERVICES MECHANIC SKILL REQUIREMENTS

Prior to Top Step Mechanic "B"

Task No.	Task Title
119	Tying Basic Knots
120	Install Stickers, Logos, and Decals
121	Identify and Paint Vehicle Safety Areas
200	Install Company Radio
203	Troubleshoot Dash Gauges
250	Prime Diesel Fuel System
252	Troubleshoot Diesel Fuel Solenoid
253	Troubleshoot Diesel Fuel System, Conventional
256	Troubleshoot Diesel Engine Mechanical
258	Replace Diesel Injectors
260	Perform Diesel Engine Tune Up
262	Replace Diesel Injector Pump
264	Replace Engine Assembly
266	Replace Head Gasket
320	Adjust Air Brakes
321	Troubleshoot Air Brake System
322	Inspect Air Brake System
323	Perform Air Brake Job
324	Replace or Repair Air Brake Line
328	Replace Spring Brake Chamber
344	Adjust Fabco Kingpin Studs
345	Install Fabco Axle Seals
356	Troubleshoot Automatic Transmission
357	Replace Automatic Transmission
360	Adjust Manual Modulator Control
370	Troubleshoot Differentials
371	Replace Differential
375	Troubleshoot Transfer Case
382	Replace Transfer Case
386	Replace Power Take-Off Unit
400	Assemble Hydraulic Hoses
410	Replace Outrigger Cylinder
412	Replace Hydraulic Pump
415	Troubleshoot Throttle System
418	Adjust Throttle Control
422	Perform Altec Side Load Test
423	Repair Altec Auger Release
434	Install Eye In Wire Rope

Prior to Top Step Mechanic "B" (continued)

436	Replace Winch Wire Rope
437	Adjust Winch Brake
439	Replace Auger Teeth
442	Adjust Trigger Valve
445	Troubleshoot Air Compressor
502	Perform Oxy-Acetylene Operations
503	Perform Arc Welding Operations
504	Perform Mig Welding Operations
505	Perform Emergency Lowering Procedures

Florida Power
CORPORATION

IBEW JOB QUALIFICATIONS

POSITION Fleet Services Laborer

DEPARTMENT Laborer

EDUCATION

Sufficient education to perform the duties of this classification. Must have sufficient reading ability to comprehend written instructions.

EXPERIENCE

LICENSES AND/OR CERTIFICATES

Class A CDL with Tanker and Hazmat endorsements.

KNOWLEDGE, SKILLS & ABILITIES

Ability to comprehend and carry out written and verbal instructions. Skills as needed to provide general support to the operation of Fleet facilities.

PHYSICAL

Shall have the physical ability to perform the duties of this classification.