1		INDUSTRIAL ELECTRICIAN STRUCTURE 2016	moved to			INDUSTRIAL ELECTRICIAN STRUCTURE 2021	came from
MWA	Α	PERFORMS COMMON OCCUPATIONAL SKILLS		MWA	Α	PERFORMS COMMON OCCUPATIONAL SKILLS	Т
Task	A-1	Performs safety-related functions		Task	A-1	Performs safety-related functions	T
Subtask	A-1.01	Maintains safe work environment	A-1.01	Subtask	A-1.01	Maintains safe work environment	A-1.01
Subtask	A-1.02	Uses personal protective equipment (PPE) and safety equipment	A-1.02	Subtask	A-1.02	Uses personal protective equipment (PPE) and safety equipment	A-1.02
Subtask	A-1.03	Performs lock out and tag-out procedures	A-1.03	Subtask	A-1.03	Performs lock-out and tag-out procedures	A-1.03
Subtask	A-1.04	Identifies environmental conditions	A-1.04	Subtask	A-1.04	Identifies environmental conditions	A-1.04
Task	A-2	Uses tools and equipment	A-2	Task	A-2	Uses tools and equipment	A-2
Subtask	A-2.01	Uses common and specialty tools and equipment	A-2.01	Subtask	A-2.01	Uses common and specialty tools and equipment	A-2.01
Subtask	A-2.02	Uses access equipment	A-2.02	Subtask	A-2.02	Uses access equipment	A-2.02
Subtask	A-2.03	Uses rigging, hoisting and lifting equipment	A-2.03	Subtask	A-2.03	Uses rigging, hoisting and lifting equipment	A-2.03
Task	A-3	Organizes work		Task	A-3	Organizes work	4
Subtask	A-3.01	Interprets plans, drawings and specifications	A-3.01	Subtask	A-3.01	Interprets plans, drawings and specifications	A-3.01
Subtask	A-3.02	Identifies hazardous locations	A-3.02	Subtask	A-3.02	Identifies hazardous installations	A-3.02
Subtask	A-3.03	Organizes materials and supplies	A-3.03	Subtask	A-3.03	Organizes materials and supplies	A-3.03
Subtask	A-3.04	Plans project tasks and procedures	A-3.04	Subtask	A-3.04	Plans project tasks and procedures	A-3.04
Subtask	A-3.05	Prepares worksite	A-3.05	Subtask	A-3.05	Prepares specific location in facility	A-3.05
Subtask	A-3.06	Finalizes required documentation	A-3.06	Subtask	A-3.06	Finalizes required documentation	A-3.06
Task	A-4	Fabricates and installs support components		Task	A-4	Fabricates and installs support components	<u> </u>
Subtask	A-4.01	Fabricates support structures	A-4.01	Subtask	A-4.01	Fabricates support structures	A-4.01
Subtask	A-4.02	Installs brackets, hangers and fasteners	A-4.02	Subtask	A-4.02	Installs brackets, hangers and fasteners	A-4.02
Subtask	A-4.03	Installs seismic restraint systems	A-4.03	Subtask	A-4.03	Installs seismic restraint systems	A-4.03
Task	A-5	Commissions and decommissions electrical systems	A-5	Task	A-5	Commissions and decommissions electrical systems	A-5
Subtask	A-5.01	Commissions systems	A-5.01	Subtask	A-5.01	Commissions systems	A-5.01
Subtask	A-5.02	Performs shutdown and startup procedures	A-5.02	Subtask	A-5.02	Performs shutdown and startup procedures	A-5.02
Subtask	A-5.03	Decommissions systems	A-5.03	Subtask	A-5.03	Decommissions systems	A-5.03
Task	A-6	Uses communication and mentoring techniques	A-6	Task	A-6	Uses communication and mentoring techniques	A-6
subtask	A-6.01	Uses communication techniques	A-6.01	subtask	A-6.01	Uses communication techniques	A-6.01
subtask	A-6.01	Uses mentoring techniques	A-6.02	subtask	A-6.02	Uses mentoring techniques	A-6.02
Sublask	A-0.02		A-0.02	Sublask	A-0.02	Oses mentoning techniques	A-0.02
MWA	в	INSTALLS AND MAINTAINS GENERATING, DISTRIBUTION, AND SERVICE SYSTEMS	1	MWA	в	INSTALLS AND MAINTAINS GENERATING, TRANSMISSION, DISTRIBUTION, AND SERVICE SYSTEMS	1
Task	B-7	Installs and maintains consumer/supply services and metering equipment	B-7	Task	B-7	Installs and maintains utility and non-utility/supply services and metering equipment	B-7
subtask	B-7.01	Installs single-phase consumer/supply services and metering equipment	B-7.01	subtask	B-7.01	Installs single-phase utility and non-utility/supply services and metering equipment	B-7.01
subtask	B-7.02	Maintains single-phase consumer/supply services and metering equipment	B-7.02	subtask	B-7.02	Maintains single-phase utility and non-utility/supply services and metering equipment	B-7.02
subtask	B-7.03	Installs three-phase consumer/supply services and metering equipment	B-7.03	subtask	B-7.03	Installs three-phase utility and non-utility/supply services and metering equipment	B-7.03
subtask	B-7.04	Maintains three-phase consumer/supply services and metering equipment	B-7.04	subtask	B-7.04	Maintains three-phase utility and non-utility/supply services and metering equipment	B-7.04
Task	B-8	Installs and maintains protection devices	B-8	Task	B-8	Installs and maintains protection devices	B-8
		Installs and maintains protection devices				Installs and maintains protection devices	
subtask subtask	B-8.01 B-8.02	Installs overcurrent protection devices Maintains overcurrent protection devices	B-8.01 B-8.02	subtask subtask	B-8.01 B-8.02	Installs overcurrent protection devices Maintains overcurrent protection devices	B-8.01 B-8.02
subtask	B-8.02	Installs ground fault, arc fault and surge protection devices	B-8.02 B-8.03	subtask	B-8.02 B-8.03	Installs ground fault, arc fault and surge protection devices	B-8.02
subtask	B-8.03 B-8.04	Maintains ground fault, arc fault and surge protection devices	B-8.03 B-8.04	subtask	B-8.03 B-8.04	Maintains ground fault, arc fault and surge protection devices	B-8.03
subtask	B-8.04 B-8.05		B-8.04 B-8.05	subtask	B-8.04 B-8.05		-
subtask	B-8.05 B-8.06	Installs under and over current voltage protection devices Maintains under and over voltage protection devices	B-8.05 B-8.06	subtask	B-8.05 B-8.06	Installs under- and over-current voltage protection devices Maintains under- and over-voltage protection devices	B-8.05 B-8.06
Subidan	5-0.00		0-0.00	Sublash	0.00		0.00
Task	B-9	Installs and maintains low voltage distribution equipment	B-9	Task	B-9	Installs and maintains low-voltage distribution equipment	В-9
subtask	B-9.01	Installs low-voltage distribution equipment	B-9.01	subtask	B-9.01	Installs low-voltage distribution equipment	B-9.01
subtask	B-9.02	Maintains low-voltage distribution equipment	B-9.02	subtask	B-9.02	Maintains low-voltage distribution equipment	B-9.02
Task	B-10	Installs and maintains power conditioning systems	B-10	Task	B-10	Installs and maintains power conditioning systems	B-10
subtask	B-10.01	Installs power conditioning systems	B-10.01	subtask	B-10.01	Installs power conditioning systems	B-10.01

subtask	B-10.02	Maintains power conditioning systems	B-10.02	subtask	B-10.02	Maintains power conditioning systems	B-10.02
Task	B-11	Installs and maintains bonding and grounding systems	B-11	Task	B-11	Installs and maintains bonding, grounding and ground-fault protection and detection systems	B-11
subtask	B-11.01	Installs grounding systems	B-11.01	subtask	B-11.01	Installs grounding systems	B-11.01
subtask	B-11.02	Maintains grounding systems	B-11.02	subtask	B-11.02	Maintains grounding systems	B-11.02
subtask	B-11.03	Installs bonding systems	B-11.03	subtask	B-11.03	Installs bonding systems	B-11.03
subtask	B-11.04	Maintains bonding systms	B-11.04	subtask	B-11.04	Maintains bonding systems	B-11.04
subtask	B-11.05	Installs ground fault detection systems	B-11.05	subtask	B-11.05	Installs ground-fault protection and detection systems	B-11.05
subtask	B-11.06	Mainstains gound fault detection systems	B-11.06	subtask	B-11.06	Maintains ground-fault protection and detection systems	B-11.06
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Task	B-12	Installs and maintains power generation systems	B-12	Task	B-12	Installs and maintains power generating and conversion systems	B-12
subtask	B-12.01	Installs AC (alternative current) generating systems	B-12.01	subtask	B-12.01	Installs alternative current (AC) generating systems	B-12.01
subtask	B-12.01	Maintains AC generating systems	B-12.01	subtask	B-12.02	Maintains AC generating systems	B-12.02
subtask	B-12.02	Installs DC (direct current) generating systems	B-12.02	subtask	B-12.02	Installs direct current (DC) generating and conversion systems	B-12.02
subtask	B-12.03	Maintains DC generating systems	B-12.03	subtask	B-12.03	Maintains DC generating and conversion systems	B-12.03
3001031	D-12.04		D-12.04	Sublask	D-12.04		D-12.04
Task	B-13	Installs and maintains renewable energy generation and storage systems	B-13	Task	B-13	Installs and maintains renewable energy generating and energy storage systems	B-13
subtask	B-13.01	Installs renewable energy generation and storage systems	B-13.01	subtask	B-13.01	Installs renewable energy generating and energy storage systems	B-13.01
subtask	B-13.02	Maintains renewable energy generation and storage systems	B-13.02	subtask	B-13.02	Maintains renewable energy generating and energy storage systems	B-13.02
Task	B-14	Installs and maintains high voltage systems	B-14	Task	B-14	Installs and maintains high-voltage systems	B-14
subtask	B-14.01	Installs high voltage systems	B-14.01	subtask	B-14.01	Installs high-voltage systems	B-14.01
subtask	B-14.02	Maintains high voltage systems	B-14.02	subtask	B-14.02	Maintains high-voltage systems	B-14.02
Task	B-15	Installs and maintains transformers	B-15	Task	B-15	Installs and maintains transformers	B-15
subtask	B-15.01	Installs extra-low-voltage transformers	B-15.01	subtask	B-15.01	Installs extra-low-voltage transformers	B-15.01
subtask	B-15.02	Maintains extra-low-voltage transformers	B-15.02	subtask	B-15.02	Maintains extra-low-voltage transformers	B-15.02
subtask	B-15.03	Installs low-voltage single-phase transformers	B-15.03	subtask	B-15.03	Installs low-voltage single-phase transformers	B-15.03
subtask	B-15.04	Maintains low-voltage single-phase transformers	B-15.04	subtask	B-15.04	Maintains low-voltage single-phase transformers	B-15.04
subtask	B-15.05	Installs low-voltage three-phase transformers	B-15.05	subtask	B-15.05	Installs low-voltage three-phase transformers	B-15.05
subtask	B-15.06	Maintains low-voltage three-phase transformers	B-15.06	subtask	B-15.06	Maintains low-voltage three-phase transformers	B-15.06
subtask	B-15.07	Installs high-voltage transformers	B-15.07	subtask	B-15.07	Installs high-voltage transformers	B-15.07
subtask	B-15.08	Maintains high-voltage transformers	B-15.08	subtask	B-15.08	Maintains high-voltage transformers	B-15.08
MWA	С	INSTALLS AND MAINTAINS WIRING SYSTEMS	С	MWA	С	INSTALLS AND MAINTAINS WIRING SYSTEMS	С
Task	C-16	Installs and maintains raceways, cables and enclosures	C-16	Task	C-16	Installs and maintains raceways, cables and enclosures	C-16
subtask	C-16.01	Installs conductors and cables	C-16.01	subtask	C-16.01	Installs conductors and cables	C-16.01
subtask	C-16.02	Maintains conductors and cables	C-16.02	subtask	C-16.02	Maintains conductors and cables	C-16.02
astaon	C-10.02	Inial fails conductors and cables	C-10.02	SUDIASK	C-10.02		
subtask	C-16.02 C-16.03	Installs conduit, tubing and fittings	C-16.02	subtask	C-16.02	Installs conduit, tubing and fittings	C-16.03
						Installs conduit, tubing and fittings Installs raceways	C-16.03 C-16.04
subtask	C-16.03	Installs conduit, tubing and fittings	C-16.03	subtask	C-16.03		
subtask subtask	C-16.03 C-16.04	Installs conduit, tubing and fittings Installs raceways	C-16.03 C-16.04	subtask subtask	C-16.03 C-16.04	Installs raceways	C-16.04
subtask subtask subtask subtask	C-16.03 C-16.04 C-16.05 C-16.06	Installs conduit, tubing and fittings Installs raceways Installs boxes and enclosures Maintains conduit, tubing, fittings, raceways, boxes and enclosures	C-16.03 C-16.04 C-16.05 C-16.06	subtask subtask subtask subtask	C-16.03 C-16.04 C-16.05 C-16.06	Installs raceways Installs boxes and enclosures Maintains conduit, tubing, fittings, raceways, boxes and enclosures	C-16.04 C-16.05 C-16.06
subtask subtask subtask subtask Task	C-16.03 C-16.04 C-16.05 C-16.06 C-17	Installs conduit, tubing and fittings Installs raceways Installs boxes and enclosures Maintains conduit, tubing, fittings, raceways, boxes and enclosures Installs and maintains branch circuitry and devices	C-16.03 C-16.04 C-16.05 C-16.06 C-17	subtask subtask subtask subtask Task	C-16.03 C-16.04 C-16.05 C-16.06 C-17	Installs raceways Installs boxes and enclosures Maintains conduit, tubing, fittings, raceways, boxes and enclosures Installs and maintains branch circuitry and devices	C-16.04 C-16.05 C-16.06 C-17
subtask subtask subtask subtask Task subtask	C-16.03 C-16.04 C-16.05 C-16.06 C-17 C-17	Installs conduit, tubing and fittings Installs raceways Installs boxes and enclosures Maintains conduit, tubing, fittings, raceways, boxes and enclosures Installs and maintains branch circuitry and devices Installs luminaires	C-16.03 C-16.04 C-16.05 C-16.06 C-17 C-17.01	subtask subtask subtask subtask Task subtask	C-16.03 C-16.04 C-16.05 C-16.06 C-17 C-17	Installs raceways Installs boxes and enclosures Maintains conduit, tubing, fittings, raceways, boxes and enclosures Installs and maintains branch circuitry and devices Installs luminaires	C-16.04 C-16.05 C-16.06 C-17 C-17
subtask subtask subtask subtask Task subtask subtask	C-16.03 C-16.04 C-16.05 C-16.06 C-17 C-17 C-17.01 C-17.02	Installs conduit, tubing and fittings Installs raceways Installs boxes and enclosures Maintains conduit, tubing, fittings, raceways, boxes and enclosures Installs and maintains branch circuitry and devices Installs luminaires Maintains luminaires	C-16.03 C-16.04 C-16.05 C-16.06 C-17 C-17.01 C-17.01 C-17.02	subtask subtask subtask subtask Task subtask subtask	C-16.03 C-16.04 C-16.05 C-16.06 C-17 C-17 C-17.01 C-17.02	Installs raceways Installs boxes and enclosures Maintains conduit, tubing, fittings, raceways, boxes and enclosures Installs and maintains branch circuitry and devices Installs luminaires Maintains luminaires	C-16.04 C-16.05 C-16.06 C-17 C-17.01 C-17.02
subtask subtask subtask subtask Task subtask subtask subtask subtask	C-16.03 C-16.04 C-16.05 C-16.06 C-17 C-17.01 C-17.02 C-17.03	Installs conduit, tubing and fittings Installs raceways Installs boxes and enclosures Maintains conduit, tubing, fittings, raceways, boxes and enclosures Installs and maintains branch circuitry and devices Installs luminaires Maintains luminaires Installs wiring devices	C-16.03 C-16.04 C-16.05 C-16.06 C-17 C-17.01 C-17.02 C-17.03	subtask subtask subtask subtask Task subtask subtask subtask	C-16.03 C-16.04 C-16.05 C-16.06 C-17 C-17.01 C-17.02 C-17.03	Installs raceways Installs boxes and enclosures Maintains conduit, tubing, fittings, raceways, boxes and enclosures Installs and maintains branch circuitry and devices Installs luminaires Maintains luminaires Installs wiring devices	C-16.04 C-16.05 C-16.06 C-17 C-17.01 C-17.02 C-17.03
subtask subtask subtask subtask Task subtask subtask subtask	C-16.03 C-16.04 C-16.05 C-16.06 C-17 C-17 C-17.01 C-17.02	Installs conduit, tubing and fittings Installs raceways Installs boxes and enclosures Maintains conduit, tubing, fittings, raceways, boxes and enclosures Installs and maintains branch circuitry and devices Installs luminaires Maintains luminaires	C-16.03 C-16.04 C-16.05 C-16.06 C-17 C-17.01 C-17.01 C-17.02	subtask subtask subtask subtask Task subtask subtask	C-16.03 C-16.04 C-16.05 C-16.06 C-17 C-17 C-17.01 C-17.02	Installs raceways Installs boxes and enclosures Maintains conduit, tubing, fittings, raceways, boxes and enclosures Installs and maintains branch circuitry and devices Installs luminaires Maintains luminaires	C-16.04 C-16.05 C-16.06 C-17 C-17.01 C-17.02
subtask subtask subtask subtask Task subtask subtask subtask subtask	C-16.03 C-16.04 C-16.05 C-16.06 C-17 C-17.01 C-17.02 C-17.03	Installs conduit, tubing and fittings Installs raceways Installs boxes and enclosures Maintains conduit, tubing, fittings, raceways, boxes and enclosures Installs and maintains branch circuitry and devices Installs luminaires Maintains luminaires Installs wiring devices	C-16.03 C-16.04 C-16.05 C-16.06 C-17 C-17.01 C-17.02 C-17.03	subtask subtask subtask subtask Task subtask subtask subtask	C-16.03 C-16.04 C-16.05 C-16.06 C-17 C-17.01 C-17.02 C-17.03	Installs raceways Installs boxes and enclosures Maintains conduit, tubing, fittings, raceways, boxes and enclosures Installs and maintains branch circuitry and devices Installs luminaires Maintains luminaires Installs wiring devices	C-16.04 C-16.05 C-16.06 C-17 C-17.01 C-17.02 C-17.03

subtask	C-18.02	Installs HVAC controls	C-18.02	subtask	C-18.02	Installs HVAC controls	C-18.02
subtask	C-18.03	Maintains HVAC electrical components	C-18.03	subtask	C-18.03	Maintains HVAC electrical components	C-18.03
Task	C-19	Installs and maintains electric heating systems	C-19	Task	C-19	Installs and maintains electric heating systems and controls	C-19
subtask	C-19.01	Installs electric heating systems and controls	C-19.01	subtask	C-19.01	Installs electric heating systems and controls	C-19.01
subtask	C-19.02	Maintains electric heating systems and controls	C-19.02	subtask	C-19.02	Maintains electric heating systems and controls	C-19.02
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Task	C-20	Installs and maintains exit and emergency lighting systems	C-20	Task	C-20	Installs and maintains exit and emergency lighting systems	C-20
subtask	C-20.01	Installs exit and emergency lighting	C-20.01	subtask	C-20.01	Installs exit and emergency lighting systems	C-20.01
subtask	C-20.02	Maintains exit and emergency lighting systems	C-20.02	subtask	C-20.02	Maintains exit and emergency lighting systems	C-20.02
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Task	C-21	Installs and maintains cathodic protection systems	C-21	Task	C-21	Installs and maintains cathodic protection systems	C-21
subtask	C-21.01	Installs cathodic protection systems	C-21.01	subtask	C-21.01	Installs cathodic protection systems	C-21.01
subtask	C-21.02	Maintains cathodic protection systems	C-21.02	subtask	C-21.02	Maintains cathodic protection systems	C-21.02
MWA	D	INSTALLS AND MAINTAINS ROTATING AND NON-ROTATING EQUIPMENT AND CONTROL SYSTEMS	D	MWA	D	INSTALLS AND MAINTAINS ROTATING AND OTHER FIXED EQUIPMENT AND CONTROL SYSTEMS	D
Task	D-22	Installs and maintains motor starters and control devices	D-22	Task	D-22	Installs and maintains motor starters and control devices	D-22
subtask	D-22.01	Installs motor starters	D-22.01	subtask	D-22.01	Installs motor starters	D-22.01
subtask	D-22.02	Maintains motor starters	D-22.02	subtask	D-22.02	Maintains motor starters	D-22.02
subtask	D-22.03	Installs motor control devices	D-22.03	subtask	D-22.03	Installs motor control devices	D-22.03
subtask	D-22.04	Maintains motor control devices	D-22.04	subtask	D-22.04	Maintains motor control devices	D-22.04
Task	D-23	Installs and maintains drives	D-23	Task	D-23	Installs and maintains drives	D-23
subtask	D-23.01	Installs AC drives	D-23.01	subtask	D-23.01	Installs AC drives	D-23.01
subtask	D-23.02	Maintains AC drives	D-23.02	subtask	D-23.02	Maintains AC drives	D-23.02
subtask	D-23.03	Installs DC drives	D-23.03	subtask	D-23.03	Installs DC drives	D-23.03
subtask	D-23.04	Maintains DC drives	D-23.04	subtask	D-23.04	Maintains DC drives	D-23.04
Task	D-24	Installs and maintains non-rotating equipment and associated controls	D-24	Task	D-24	Installs and maintains other fixed equipment and associated controls	D-24
subtask	D-24.01	Installs non-rotating equipment and associated controls	D-24.01	subtask	D-24.01	Installs other fixed equipment and associated controls	D-24.01
subtask	D-24.02	Maintains non-rotating equipment and associated controls	D-24.02	subtask	D-24.02	Maintains other fixed equipment and associated controls	D-24.02
Task	D-25	Installs and maintains motors	D-25	Task	D-25	Installs and maintains motors	D-25
subtask	D-25.01	Installs single-phase motors	D-25.01	subtask	D-25.01	Installs single-phase motors	D-25.01
subtask	D-25.02	Maintains single-phase motors	D-25.02	subtask	D-25.02	Maintains single-phase motors	D-25.02
subtask	D-25.03	Installs three-phase motors	D-25.03	subtask	D-25.03	Installs three-phase motors	D-25.03
subtask	D-25.04	Maintains three-phase motors	D-25.04	subtask	D-25.04	Maintains three-phase motors	D-25.04
subtask	D-25.05	Installs DC motors	D-25.05	subtask	D-25.05	Installs DC motors	D-25.05
subtask	D-25.06	Maintains DC motors	D-25.06	subtask	D-25.06	Maintains DC motors	D-25.06
MWA	E	INSTALLS AND MAINTAINS SIGNALLING AND COMMUNICATION SYSTEMS		MWA	E	INSTALLS AND MAINTAINS SIGNALLING AND COMMUNICATION SYSTEMS	
Task	E-26	Installs and maintains signalling systems		Task	E-26	Installs and maintains signalling systems	
subtask	E-26.01	Installs fire alarm systems		subtask	E-26.01	Installs fire alarm systems	
subtask	E-26.02	Maintains fire alarm systems	1	subtask	E-26.02	Maintains fire alarm systems	1

subtask	E-26.03	Installs security and surveillance systems
subtask	E-26.04	Maintains security and surveillance systems
Task	E-27	Installs and maintains communication systems
subtask	E-27.01	Installs communication systems
subtask	E-27.02	Maintains communication systems
Task	E-28	Installs and maintains building automation systems
subtask	E-28.01	Installs building automation systems
subtask	E-28.02	Maintains building automation systems
MWA		F INSTALLS AND MAINTAINS PROCESS CONTROL SYSTEMS
Task	F-29	Installs and maintains input/output devices
subtask	F-29.01	Installs discrete input/output devices
subtask	F-29.02	Maintains discrete input/output devices
subtask	F-29.03	Installs analog input/output devices
subtask	F-29.04	Maintains analog input/output devices
Task	F-30	Installs, programs and maintains automated control systems
subtask	F-30.01	Installs automated control systems
subtask	F-30.02	Maintains automated control systems
subtask	F-30.03	Programs automated control systems
subtask	F-30.04	Optimizes systems performance
Task	F-31	Installs and maintains pneumatic and hydraulic control systems
subtask	F-31.01	Installs pneumatic systems
subtask	F-31.02	Maintains peumatic systems
subtask	F-31.03	Installs hydraulic systems
subtask	F-31.04	Maintains hydraulic systems

subtask	E-26.03	Installs security and surveillance systems
subtask	E-26.04	Maintains security and surveillance systems
Task	E-27	Installs and maintains communication systems
subtask	E-27.01	Installs communication systems
subtask	E-27.02	Maintains communication systems
Task	E-28	Installs and maintains building automation systems
subtask	E-28.01	Installs building automation systems
subtask	E-28.02	Maintains building automation systems
MWA		F INSTALLS AND MAINTAINS PROCESS CONTROL SYSTEMS
Task	F-29	Installs and maintains input/output (I/O) devices
subtask	F-29.01	Installs discrete input/output (I/O) devices
subtask	F-29.02	Maintains discrete input/output (I/0) devices
subtask	F-29.03	Installs analog input/output (I/O) devices
subtask	F-29.04	Maintains analog input/output (I/O) devices
Task	F-30	Installs, programs and maintains automated control systems
subtask	F-30.01	Installs automated control systems
subtask	F-30.02	Maintains automated control systems
subtask	F-30.03	Programs automated control systems
subtask	F-30.04	Optimizes systems performance
Task	F-31	Installs and maintains pneumatic and hydraulic control systems
subtask	F-31.01	Installs pneumatic control systems
subtask	F-31.02	Maintains pneumatic control systems
subtask	F-31.03	Installs hydraulic control systems
subtask	F-31.04	Maintains hydraulic control systems