

Powerline Technician - Sept. 30-Oct. 5, 2018

2013 NOA Structure	MOVED TO:	2018 RSOS Structure	Came from:	RSOS COMMENTS
BLOCK A COMMON OCCUPATIONAL SKILLS		MWA A Performs common occupational skills		Task name changed for consistency with structure of new RSOS.
Task 1 Uses and maintains tools and equipment.	Task 2	Task 1 Performs safety-related functions	New	New Task title- contents from various parts of NOA structure
1.01 Maintains hand, power and powder-actuated tools and equipment.	2.01	1.01 Uses personal protective equipment (PPE) and safety equipment	1.04	
1.02 Maintains electrical measuring and testing equipment.	2.02	1.02 Controls powerline hazards	4.01	
1.03 Uses rigging, hoisting and lifting equipment.	2.03	1.03 Controls environmental hazards	4.02	
1.04 Uses personal protective equipment (PPE) and safety equipment.	1.01	1.04 Performs lock-out and tag-out procedures	new	came out of the contents of other subtasks
		1.05 Performs temporary grounding and bonding procedures	new	Added new sub-task as deemed missing.
Task 2 Accesses work area.	Task 4	Task 2 Uses and maintains tools and equipment	Task 1	
2.01 Climbs poles and structures.	4.01	2.01 Uses hand, power and powder-actuated tools and equipment	1.01	changed to uses as this also encompasses maintains
2.02 Uses access equipment.	4.02	2.02 Uses electrical measuring and testing equipment	1.02	changed to uses as this also encompasses maintains
2.03 Uses on- and off-road equipment.	4.03	2.03 Uses rigging, hoisting and lifting equipment	1.03	
Task 3 Organizes work.		Task 3 Organizes work		
3.01 Interprets codes, regulations and procedures.	deleted	3.01 Interprets plans, drawings and specifications	3.02	NOTE: Removed "Interprets codes, regulations and procedures" as these are addressed in the Evidence of Attainment in the RSOS.
3.02 Interprets plans, drawings and specifications.		3.02 Prepares worksite	3.03	
3.03 Prepares worksite.		3.03 Plans job tasks and procedures	3.04	
3.04 Plans job tasks and procedures.				
Task 4 Establishes safe work environment.	Task 1	Task 4 Accesses work area	Task 2	
4.01 Controls powerline hazards.	1.01	4.01 Climbs pole and steel lattice structures	2.01	removed "s" as this refers to climbing pole structures also
4.02 Controls environmental hazards.	1.02	4.02 Uses access equipment	2.02	
4.03 Performs lock-out and tag-out procedures.	1.03	4.03 Uses on- and off-road equipment	2.03	
	1.04			
Task 5 Uses live-line methods.		Task 5 Uses live-line methods	Task 5	
5.01 Uses cover-up.		5.01 Uses cover-up	5.01	
5.02 Uses rubber gloves.		5.02 Uses rubber gloves	5.02	
5.03 Uses bare hand methods.		5.03 Uses bare-hand methods	5.03	
5.04 Uses fibreglass reinforced plastic (FRP) tools (sticks).		5.04 Uses fibreglass reinforced plastic (FRP) tools (hot sticks)	5.04	
		Task 6 Uses communication and mentoring techniques	new	Added for consistency with structure of new RSOS.
		6.01 Uses communication techniques	new	

6.02 Uses mentoring techniques

new

BLOCK B STRUCTURES

MWA B Installs structures

IB Comment: "Installs pole guy wires and anchors" and "Installs steel guy wires and anchors" should be combined.

Task 6 Installs poles.

- 6.01 Frames poles.
- 6.02 Sets poles.
- 6.03 Installs pole guys and anchors.

Task 7 Installs pole structures

- 7.01 Frames pole structures
- 7.02 Sets pole structures
- 7.03 Installs pole structure guys and anchors

Task 6

added for consistency and clarification as group agreed they also climb structures made of poles

- 6.01
- 6.02
- 6.03

Task 7 Installs steel structures.

- 7.01 Installs footings. _NCC
- 7.02 Assembles steel structures.
- 7.03 Erects steel structures.
- 7.04 Installs steel structure guy wires and anchors.

Task 8 Installs steel lattice structures

- 8.01 Assembles steel lattice structures
- 8.02 Erects steel lattice structures
- 8.03 Installs steel lattice structure guy wires and anchors

Task 7

Lattice was added to include all types of steel structures
7.01 RSOS Workshop Group decision to take it out "installs footings" since participants confirmed that they do not do this in their jurisdiction.

- 7.02
- 7.03
- 7.04

BLOCK C CONDUCTOR SYSTEMS

MWA C Installs conductor systems

Task 8 Installs overhead conductors.

- 8.01 Strings overhead conductors.
- 8.02 Sags overhead conductors.
- 8.03 Ties-in overhead conductors.
- 8.04 Splices overhead conductors.

Task 9 Installs overhead conductors and cables

- 9.01 Strings overhead conductors and cables
- 9.02 Sags overhead conductors and cables
- 9.03 Ties-in overhead conductors and cables
- 9.04 Installs splices and connections on overhead conductors and cables

Task 8

cables added for consistency with subtasks

- 8.01
- 8.02
- 8.03
- 8.04

Task 9 Installs underground and underwater cable.

- 9.01 Installs conduit and cable installations.
- 9.02 Places underground and underwater cable.
- 9.03 Splices underground and underwater cable.
- 9.04 Terminates underground and underwater cable.

Task 10 Installs underground and underwater cable

- 10.01 Installs conduit and cable
- 10.02 Places direct buried cable
- 10.03 Splices underground and underwater cable
- 10.04 Terminates underground and underwater cable

Task 9

simplified wording
simplified wording

- 9.01
- 9.02
- 9.03
- 9.04

BLOCK D AUXILIARY EQUIPMENT

MWA D Installs auxilliary equipment

Task 10 Installs lighting systems.

- 10.01 Installs street lights.
- 10.02 Maintains street lights.

Task 11 Installs lighting systems

- 11.01 Installs street lights
- 11.02 Maintains street lights

Task 10

- 10.01
- 10.02

Task 11 Installs voltage control equipment.

Task 12 Installs voltage control equipment

Task 11

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- 11.01 Installs transformers.
- 11.02 Installs capacitors.
- 11.03 Installs voltage regulators.
- 11.04 Installs switches.
- 11.05 Installs reactors._NCC

Task 12 Installs protection equipment.

- 12.01 Installs reclosers.
- 12.02 Installs sectionalizers.
- 12.03 Installs fuses.
- 12.04 Installs lightning arrestors.

Task 13 Installs metering equipment.

- 13.01 Installs primary metering **equipment**.
- 13.02 Installs secondary metering **equipment**.

Task 14 Installs communication equipment.

- 14.01 Installs cellular antennas._NCC
- 14.02 **Transfers communication lines.**

- 12.01 Installs transformers
- 12.02 Installs capacitors
- 12.03 Installs voltage regulators
- 12.04 Installs switches
- 12.05 Installs reactors

Task 13 Installs protection equipment

- 13.01 Installs reclosers
- 13.02 Installs sectionalizers
- 13.03 Installs fuses
- 13.04 Installs lightning arrestors

Task 14 Installs metering equipment

- 14.01 Installs primary metering equipment
- 14.02 Installs secondary metering equipment

Task 15 Installs communication devices

- 15.01 Installs cellular antennas
- 15.02 Transfers communication lines

- 11.01
- 11.02
- 11.03
- 11.04
- 11.05

- Task 12**
- 12.01
- 12.02
- 12.03
- 12.04

- Task 13**
- 13.01
- 13.02

- Task 14**
- 14.01
- 14.02

BLOCK E OPERATION, MAINTENANCE AND REPAIR

MWA E Performs operation, maintenance and repair

BLOCK E

Task 15 Operates distribution and transmission systems.

- 15.01 Operates overhead and underground transmission systems.
- 15.02 Operates overhead and underground distribution systems.
- 15.03 **Performs station switching.**

Task 16 Maintains distribution and transmission systems.

- 16.01 Inspects distribution and transmission systems.
- 16.02 Maintains poles.

- 16.03 Maintains steel structures.
- 16.04 Maintains system components.
- 16.05 Trims trees.

Task 17 Repairs distribution systems.

- 17.01 Troubleshoots overhead distribution systems.
- 17.02 Troubleshoots underground distribution systems.
- 17.03 Repairs overhead distribution systems.
- 17.04 Repairs underground distribution systems.

Task 18 Repairs transmission systems.

- 18.01 Troubleshoots overhead transmission systems.
- 18.02 Troubleshoots underground transmission systems.

Task 16 Operates distribution and transmission systems

- 16.01 **Operates transmission systems**
- 16.02 **Operates distribution systems**
- 16.03 Performs station switching

Task 17 Maintains distribution and transmission systems

- 17.01 Inspects distribution and transmission systems
- 17.02 Maintains pole **structures**

- 17.03 Maintains steel **lattice** structures
- 17.04 Maintains system components
- 17.05 Trims trees

Task 18 Repairs distribution systems

- 18.01 Troubleshoots overhead distribution systems
- 18.02 Troubleshoots underground **and underwater** distribution systems
- 18.03 Repairs overhead distribution systems
- 18.04 Repairs underground **and underwater** distribution systems

Task 19 Repairs transmission systems

- 19.01 Troubleshoots overhead transmission systems
- 19.02 Troubleshoots underground **and underwater** transmission systems

Task 15

- 15.01
 - 15.02
 - 15.03
- changed for consistency with task 17

Task 16

- 16.01
- 16.02

- 16.03
- 16.04
- 16.05

Task 17

- 17.01
- 17.02
- 17.03
- 17.04

Task 18

- 18.01
- 18.02

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18.03 Repairs overhead transmission systems.
18.04 Repairs underground transmission systems.

19.03 Repairs overhead transmission systems
19.04 Repairs underground **and underwater** transmission systems

18.03
18.04