

**Appendix A**

**OCCUPATION SCHEDULE FOR: Utility Lineworker (Line Erector)**

**O\*NET/SOC CODE: 49-9051.00**

**RAPIDS CODE: 0281**

This schedule is attached to and a part of these Standards for the above identified occupation.

**1. TERM OF APPRENTICESHIP**

The term of the occupation will be time-based with an (OJL) attainment of 7,000 hours supplemented by the required hours of related instruction as stated on the Work Process Schedule and Related Instruction Outline (Appendix A). Full credit will be given for the probationary period.

**2. RATIO OF APPRENTICES TO JOURNEYWORKERS**

A numeric ratio of apprentices to journeyworkers consistent with proper supervision, training, safety, and continuity of employment throughout the apprenticeship, the ratio of apprentices to journeyworkers will be One (1) apprentice to One (1) journeyworker.

**3. APPRENTICE WAGE SCHEDULE**

Apprentices shall be paid a progressively increasing schedule of wages and fringe benefits, if any, based on a percentage of the current journeyworker wage rate.

1 <sup>st</sup>	1,000 hours = <u>62%</u>	5 <sup>th</sup>	1,000 hours = <u>80%</u>
2 <sup>nd</sup>	1,000 hours = <u>67%</u>	6 <sup>th</sup>	1,000 hours = <u>85%</u>
3 <sup>rd</sup>	1,000 hours = <u>71%</u>	7 <sup>th</sup>	1,000 hours = <u>89%</u>
4 <sup>th</sup>	1,000 hours = <u>76%</u>		

Current Journeyworker Wage Rate:     \$36.56\*    

\* The wage rate and percentage are governed by the respective participating utilities' CBAs.

**4. SCHEDULE OF WORK EXPERIENCE (See attached Work Process Schedule)**

**5. SCHEDULE OF RELATED INSTRUCTION (See attached Related Instruction Outline)**

**WORK PROCESS SCHEDULE**

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**Description:** Install or repair cables or wires used in electrical power or distribution systems. May erect poles and light or heavy duty transmission towers.

**On-The-Job-Training Outline:** Apprentices will receive training in the various work experiences listed below. The order in which this training is given will be determined by the flow of work on the job and will not necessarily be in the order listed. The times allotted to these various processes are the estimated times which the average apprentice will require to learn each phase of the trade. They are intended only as a guide to indicate the quality of the training being provided and the ability of the apprentice to absorb this training in an average amount of time. The actual amount of On-The-Job Training that the apprentice receives in each area below will vary based on their respective employer and the system that the utility serves. The total term of apprenticeship is indicated below.

**Approximate Hours**

- A. Perform duties as prescribed by the written policy statement of the Committee, providing for work both on the ground and aloft including climbing to assure suitability for the trade before probationary period expires ..... 1,000**
- B. Transmission ..... 2,000**
  - 1. Transmission Structures – Wood and steel poles, framing, erection and guying of wood poles and the installation of hardware insulators and conductors thereon. The apprentice may have opportunity to work on the assembly and erection of steel towers, placement of footings, and attachment of insulators and materials, and the stringing, splicing, deadening, armor rodding, and clipping of conductors..... 1000
  - 2. Transmission Stations – Assembly and erection of steel and wood and the installation and connection of busses, grounds, switches, circuit breakers, transformers, regulators, and other substation equipment..... 1000
- C. Distribution ..... 3,000**
  - 1. New Construction - Material handling, framing, and erection of poles, installation of anchors and guys, stringing, splicing, sagging of conductors on de-energized construction work ..... 1,000
  - 2. Maintenance and Rebuild - General maintenance work near energized distribution conductors including pole replacement, conductor replacement, changing insulators

and crossarms, changing and installing transformers, capacitors, regulators, switches, and other distribution apparatus. The apprentice may have opportunity to work on the installation and maintenance of series of multiple street lighting systems and the associated control systems ..... 2,000

- D. Live Line Maintenance ..... 1,000**
  - 1. Rubber glove work on energized primary circuits.
  - 2. Hot stick work on distribution and sub-transmission voltages

**TOTAL APPROXIMATE HOURS                    7,000**

## RELATED INSTRUCTION SCHEDULE

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The following related training outline identifies subject matter which must be mastered by the apprentice in order to successfully complete the program:

**Notes:**

- LAPA represents combined self-study and classroom portions of the related instruction,
- LAPC represents the lab, or hands-on portions of the related instruction,
- LAPB represents the behavior related portions of the related instruction.

All regularly scheduled related instruction occurs at Wolverine's training facility. Make-up related instruction may be held at any one of NLC's Campuses.

#### Year 1 (146 Hours)

- LAPA 1201 Working in Elevated Positions (22 hours)
- LAPA 1202 Electrical Systems (18 hours)
- LAPA 1203 Knots, Splices, and Rope (15 hours)
- LAPA 1204 Rigging (25 hours)
- LAPB 1201 Behavioral Assessment (2 hours)
- LAPC 1202 Working in Elevated Positions (34 hours)
- LAPC 1203 Knots, Splices, and Rope (10 hours)
- LAPC 1204 Rigging (16 hours)
- LAPC 1205 Rescue Series (4 hours)

#### Year 2 (169 Hours)

- LAPA 2201 Electricity in Power Delivery (35 hours)
- LAPA 2202 Electrical Test Equipment (20 hours)
- LAPA 2203 Personal Protective Grounding (20 hours)
- LAPA 2204 Transformers (35 hours)
- LAPB 2201 Behavioral Assessment (2 hours)
- LAPC 2201 Electrical Test Equipment (5 hours)
- LAPC 2203 Personal Protective Grounding (24 hours)
- LAPC 2204 Transformers (24 hours)
- LAPC 2205 Rescue Series (4 hours)

#### Year 3 (145 Hours)

- LAPA 3201 Hot Line Certification (83 hours)
- LAPB 3201 Behavioral Assessment (2 hours)
- LAPC 3201 Hot Line Certification (56 hours)

- LAPC 3205 Rescue Series (4 hours)

**Year 4 (148 Hours)**

- LAPA 4201 Electrical Equipment in Power Delivery (56 hours)
- LAPA 4202 Journeyman Excellence (56 hours)
- LAPB 4201 Behavioral Assessment (2 hours)
- LAPC 4201 Electrical Equipment in Power Delivery (24 hours)
- LAPC 4202 Journeyman Excellence (6 hours)
- LAPC 4205 Rescue Series (4 hours)