### STATE OF OHIO (DAS)

#### CLASSIFICATION SPECIFICATION

<table>
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<tr>
<th>SERIES NO.:</th>
<th>CLASSIFICATION SERIES:</th>
<th>MAJOR AGENCIES:</th>
<th>EFFECTIVE DATE:</th>
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<tbody>
<tr>
<td>5228</td>
<td>Electrician</td>
<td>All Agencies</td>
<td>06/30/2013</td>
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</tbody>
</table>

#### SERIES PURPOSE:

The purpose of the electrician occupation is to install, maintain & repair electrical wiring systems, fixtures, controls & equipment.

At the lower level, incumbents install, modify, repair, troubleshoot & test new & existing electrical lines, circuits, systems, fixtures, controls & equipment.

At the higher level, incumbents serve as lead workers (e.g., provide work direction & training) over lower-level staff &/or install, troubleshoot, test, modify &/or maintain telecommunications &/or electronic data processing equipment (e.g., telephone lines; computer cable lines; circuit boards) &/or install, troubleshoot, test, modify &/or maintain complex electronic security system for Department of the Adjutant General, air force bases (e.g., Rickenbacker Air Force Base).

### GLOSSARY:

The Electrician 2, 52282 provides basic maintenance for telecommunications &/or electronic processing equipment in an institutional setting. However, such is typically performed for less than 20% of the time. For the full range of telecommunications duties see the Telecommunications series, 5241.

Note: this series may be used within agency/institution &/or in community setting.

<table>
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<tr>
<th>CLASS TITLE</th>
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<th>PAY RANGE</th>
<th>EFFECTIVE</th>
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<tbody>
<tr>
<td>Electrician 1</td>
<td>52281</td>
<td>07</td>
<td>06/30/2013</td>
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#### CLASS CONCEPT:

The full performance level class works under general supervision & requires considerable knowledge of & skill in electrician trade in order to install, troubleshoot, modify, maintain & repair electrical wiring systems, fixtures, controls & equipment.

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<tr>
<td>Electrician 2</td>
<td>52282</td>
<td>08</td>
<td>06/30/2013</td>
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#### CLASS CONCEPT:

The advanced level class works under direction & requires thorough knowledge of & skill in the electrician trade in order to act as lead worker (i.e., provide work direction & training) over lower-level electricians &/or crew &/or inmates &/or patient workers engaged in installation, maintenance & repair of electrical wiring systems, fixtures, controls & equipment &/or install, troubleshoot, test, modify &/or maintain basic, telecommunications &/or electronic data processing equipment (e.g., cable television lines; telephone lines; computer/terminal lines; printers; analog &/or digital phones) in institutional setting &/or install, troubleshoot, test, modify &/or maintain complex electronic security system for Department of Adjutant General's, air force bases (e.g., Rickenbacker Air Force Base).
JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)
Installs, troubleshoots, modifies, maintains & repairs electrical wiring systems, fixtures, controls & equipment (e.g., electric panels, conduits, motors, appliances, fans, transformers, heating & cooling equipment, fire & other alarm/emergency systems, elevators &/or switches).

Installs & replaces lighting fixtures (e.g., light bulbs; ballasts; switches; fuses; exterior &/or perimeter lighting); tests, installs &/or maintains fire alarm systems &/or security systems (e.g., sprinkler systems; smoke detectors; infrared sensors); prepares material & cost estimates for maintenance projects.

Performs other miscellaneous duties, (e.g., semi-skilled carpentry, painting & plumbing; water treatment); completes material & cost estimates, reports & logs; orders parts; maintains inventory of electrical supplies; operates snow & ice removal & grass cutting equipment; operates heavy equipment (e.g., backhoe; trencher; forklift).

MAJOR WORKER CHARACTERISTICS:
Knowledge of national electric code*; Ohio safety & health association guidelines*; inventory control*; red cross safety practices; fire code*; addition, subtraction, multiplication & division; safety practices in electrical trade. Skill in electrical trade; use of electrical tools (e.g., volt, amp, ohmmeters; power pipe & conduit threader; drill press; grinder) to install, test, maintain & repair equipment. Ability to read blue prints &/or schematics*; apply principles to solve practical, everyday problems; read technical manuals & instructions; stand, walk, bend continuously; lift up to 50 lbs. repeatedly; move limbs/fingers easily to perform manual functions repeatedly; move whole body in continuous or heavy labor.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:
12 mos. trg. or 12 mos. verifiable exp. in electrical work under supervision of experienced electrician; formal education in arithmetic that includes addition, subtraction, multiplication & division & in reading & writing common English vocabulary.

-Or equivalent of Minimum Class Qualifications For Employment noted above.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:
Not applicable.

UNUSUAL WORKING CONDITIONS:
Works indoors & outdoors; exposed to dirt, dust, grease, unpleasant weather, loud noises, hot & confined work areas & high voltage; subject to burns, cuts, bruises & electrical shock; may work on scaffolding, utility poles or extension ladder.
JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)
Acts as lead worker (e.g., provides work direction & training) over lower-level electricians &/or crew &/or inmates &/or patient workers engaged in installation, maintenance & repair of electrical wiring systems, fixtures, controls & equipment,

&/OR

Installs, troubleshoots, tests, modifies &/or maintains basic telecommunications &/or electronic data processing equipment (e.g., cable television lines; telephone lines; computer/terminal lines; printers; analog &/or digital phones) in institutional setting,

&/OR

Installs, troubleshoots, tests, modifies &/or maintains complex electronic security system for Department of Adjutant General’s air force bases (e.g., Rickenbacker Air Force Base).
Installs & replaces lighting fixtures, light bulbs, ballasts, switches & fuses; installs, maintains & repairs electrical wiring systems, fixtures, light bulbs, ballasts, switches & fuses; installs, tests, troubleshoots, maintains & repairs electrical wiring systems, fixtures, controls & equipment (e.g., motors, appliances, fans, transformers, heating & cooling equipment, fire & other alarm/security systems, elevators & switches).

Orders, procures &/or purchases supplies & materials from vendors &/or contractors; maintains tool count of tools used by inmates (e.g., completes tool control forms daily; maintains strict inventory of tools).
Performs other maintenance &/or miscellaneous duties (e.g., performs semi-skilled carpentry, painting, plumbing &/or water treatment; reads blueprints &/or schematic diagrams; determines time & materials needed; completes reports; maintains inventory; ensures compliance with security regulations; participates in detection & confiscation of contraband; assists in escape prevention & apprehension; completes material cost estimates, reports & logs; orders parts; maintains inventory of electrical supplies; operates snow & ice removal & grass cutting equipment); operates heavy equipment (e.g., backhoe; trencher; forklift).

MAJOR WORKER CHARACTERISTICS:
Knowledge of national electric code*; Ohio safety & health association guidelines*; inventory control*; red cross safety practices; fire code*, employee training & development; safety practices in electrical trade. Skill in operation of electrical tools (e.g., volt, amp, ohmmeters; power pipe & conduit threader; drill press; grinder) to install, test, maintain & repair equipment. Ability to read blue prints &/or schematics; apply principles to solve practical, everyday problems; read technical manuals & instructions; stand, walk, bend continuously; lift up to 50 lbs. repeatedly; move limbs/fingers easily to perform manual functions repeatedly; move whole body in continuous or heavy labor.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:
18 mos. trg. or 18 mos. verifiable exp. in electrical work under supervision of experienced electrician; formal education in arithmetic that includes addition, subtraction, multiplication & division & in reading & writing common English vocabulary.
-Or 6 mos. exp. as Electrician 1, 52281.
-Or equivalent of Minimum Class Qualifications For Employment noted above.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:
Not applicable.

UNUSUAL WORKING CONDITIONS:
Works outside & inside; exposed to dirt, dust, grease, unpleasant weather, loud noises, hot & confined work areas & high voltage; subject to burns, cuts, bruises & electrical shock; may work on scaffolding, utility poles or extension ladder; may require travel to community site under contract with Department Of Mental Health.