



PSI Services LLC
<https://test-takers.psiexams.com/akel>

**DEPARTMENT OF COMMERCE, COMMUNITY,
AND ECONOMIC DEVELOPMENT
DIVISION OF CORPORATIONS,
BUSINESS AND PROFESSIONAL LICENSING**



**ELECTRICAL ADMINISTRATORS EXAMINATION
CANDIDATE INFORMATION BULLETIN**

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Alaska Examination Procedure Checklist

Before registering for an examination, make sure that you have reviewed the following checklist.

- Candidates must submit the application fee, license application and supporting documentation which can be found online at: <https://www.commerce.alaska.gov/web/>
- Upon approval from the department, you will be sent an Examination Eligibility Letter, along with instructions for registering and scheduling the examination.
- All eligibilities are valid for 1 year from the date on the eligibility letter. If you do not pass the examination within the 1-year period, you must reapply with the state.
- You may take the examination an unlimited number of times during the 1-year period.

Prepare for your examination:

- Use the examination content outlines provided in this bulletin as the basis of your study.

Schedule your examination:

- Once you have paid, you are responsible for contacting PSI to schedule an appointment to take the examination. You may either schedule via the Internet, or schedule over the telephone at (855) 746-8173.

Take your examination:

- Must bring one form of valid identification, which bears your signature and photograph.
Your name as shown on the application form must exactly match the name on the photo I.D. used when checking in at the examination site.
- Arrive 30 minutes prior to appointment.

After your examination:

- Upon passing the examination, your results will be made available to the State to access.
- For licensing information, go to: <https://www.commerce.alaska.gov/web/> or email: license@alaska.gov or call 907-465-2550.

EXAMINATIONS BY PSI SERVICES LLC

This Candidate Information Bulletin provides you with information about the examination process for obtaining an Electrical Administrators License in Alaska.

The Department of Commerce, Community, and Economic Development has contracted with PSI Services LLC (PSI) to conduct the examination program. PSI works closely with the Department to make certain that these examinations meet the State's as well as nationally established technical and professional standards for examination development and administration. PSI provides these examinations through a network of computer examination centers in Alaska.

GUIDELINES FOR LICENSING APPLICATION/QUALIFICATION

1. The Electrical Administrator License candidate must review the requirements for licensure and must submit the application fee, license application and supporting documentation which can be found online at the following website: <https://www.commerce.alaska.gov/web/>
2. Upon approval from the department, you will be sent an Examination Eligibility Letter, along with instructions for registering and scheduling the examination. Included with your letter will be an identification number assigned by the State to you for this testing program. You must use this identification number when scheduling for your examination.
3. The eligibility letter is valid for 1 year from the date on the letter. If you fail the examination, you may retake the examination an unlimited number of times during the 1 year period.

All questions and requests for information pertaining to licensing should be directed to the department.

State of Alaska
Department of Commerce, Community,
and Economic Development
Division of Corporations,
Business and Professional Licensing
Contractor Licensing Section
333 Willoughby Avenue, 9th Floor, Juneau, Alaska 99801
Website: <https://www.commerce.alaska.gov/web/>
Email: license@alaska.gov or 907-465-2550

All questions and requests for information pertaining to examinations should be directed to PSI.

PSI
(855) 746-8173
<https://test-takers.psiexams.com/akel>

EXAMINATION SCHEDULING PROCEDURES

ELIGIBILITY AND FEES

The following fee table lists the applicable fee for the examination. The fee is for each registration, whether you are taking the examination for the first time or repeating.

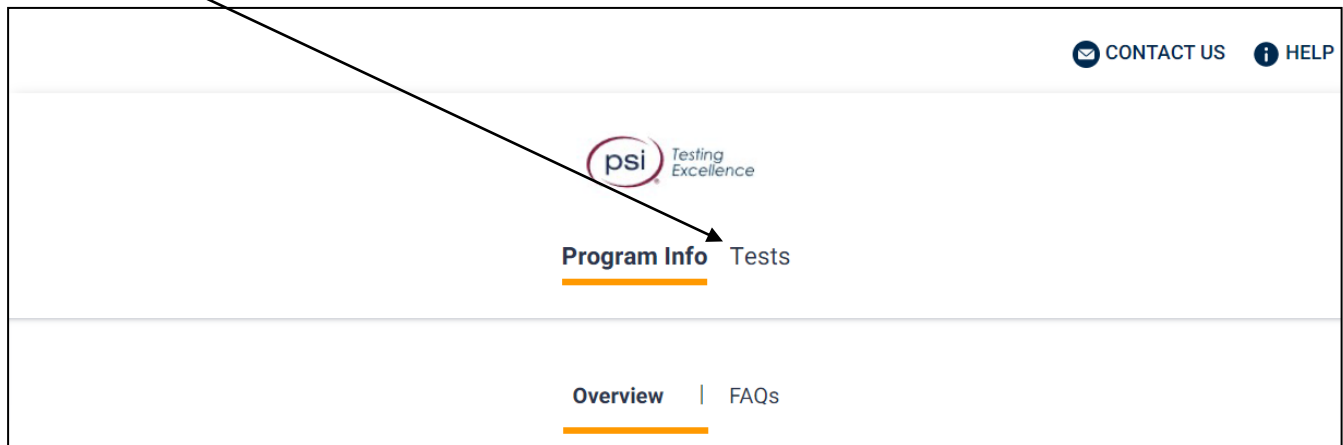
- All eligibilities are valid for 1 year from the date on the eligibility letter. If you do not pass the examination within the 1-year period, you must reapply with the state.
- You may take the examination an unlimited number of times during the 1-year period.

Examination Fee \$150

NOTE: EXAMINATION FEES ARE NOT REFUNDABLE OR TRANSFERABLE. THE EXAMINATION FEE IS VALID FOR ONE YEAR FROM THE DATE OF PAYMENT.

For the **fastest and most convenient** examination scheduling process, register for your examinations online by accessing PSI's registration Website: [Click Here](#) or on the email confirmation you received from PSI.

1. Select **TESTS** to create an account.



2. Select the examination and you are ready to create an account. Select **LOGIN/REGISTER**.

To continue the booking process and schedule your test, you must login or create an account.

LOGIN/REGISTER

3. You will be prompted to **CREATE AN ACCOUNT** with PSI.

The first and last name must match exactly with your current, valid, government-issued ID.

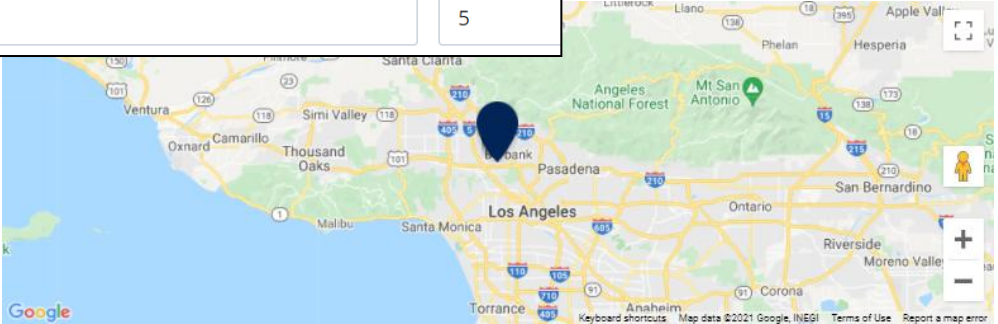
ID *	
First Name *	Last Name *
Middle Name	Generation
Email *	
Password *	Your password must contain: • At least one capital letter A-Z • At least one lower case letter a-z • At least one number 0-9 • At least one special character !@#V\$%V^&V/* • At least 8 and up to 32 characters
Confirm Password *	

4. Enter the “City or Postal Code” and select **FIND**.

Search Test Center Location

Radius

5



5. Select a date and time to book an appointment.

Choose a Date and Time

<

October 2021

>

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

☐ Available ☒ Selected

**Time slots available for
October 08, 2021**

08:00 AM

01:30 PM

6. You are now ready to pay.

Payment

Billing Address

Order Summary

Commercial Contractor Practice Test
Mechanical Bus and Law
\$100.00 USD

Total Price

CONTINUE

7. Once payment has been made you will receive a message confirming the test center, booked date, and booked time.

Booking Confirmed!!  [Print Confirmation](#)

Email Address:
asingla81@psionline.com

Home Phone:
111224444

Office Phone:
2221112345

TELEPHONE

PSI registrars are available at (855) 746-8173, Monday-Friday between 4:30 am and 7:00 pm, and Saturday-Sunday between 6:00 am and 2:30 pm, Pacific Time to receive your payment and schedule your exam.

For telephone registration, you will need a valid credit card (VISA, MasterCard, American Express, or Discover).

RESCHEDULING/CANCELING AN EXAMINATION APPOINTMENT

You may cancel and reschedule an examination appointment without forfeiting your fee if your *cancellation notice is received 2 days before the scheduled examination date*. For example, for a Monday appointment, the cancellation notice would need to be received on the previous Saturday. You may call PSI at (855) 746-8173, or use the PSI Website.

Note: A voice mail message is not an acceptable form of cancellation. Please use the PSI Website or call PSI to speak directly to a Customer Service Representative.

RETAKE A FAILED EXAMINATION

It is not possible to make a new examination appointment on the same day you have taken an examination; this is due to processing and reporting scores. A candidate who tests unsuccessfully on a Wednesday can call the next day, Thursday, and retest as soon as Friday, depending upon space availability. You may access a registration form at <https://test-takers.psiexams.com/akel>. You may also call PSI at (855) 746-8173.

MISSED APPOINTMENT OR LATE CANCELLATION

If you miss your appointment, you will not be able to take the examination as scheduled, further you will forfeit your examination fee, if you:

- Do not cancel your appointment 2 days before the scheduled examination date;
- Do not appear for your examination appointment;
- Arrive after examination start time;
- Do not present proper identification when you arrive for the examination.

EXAM ACCOMMODATIONS

All PSI examination centers are equipped to provide access in accordance with the Americans with Disabilities Act (ADA) of 1990, and exam accommodations will be made in meeting a candidate's needs. A candidate with a disability or a candidate who would otherwise have difficulty taking the examination should request for alternative arrangements by [Clicking Here](#).

Candidates granted accommodation in accordance with the ADA, **MUST** schedule their examination by telephone and speak directly with a PSI registrar.

EXAMINATION SITE CLOSING FOR AN EMERGENCY

In the event that severe weather or another emergency forces the closure of an examination site on a scheduled examination date, your examination will be rescheduled. PSI personnel will attempt to contact you in this situation. However, you may check the status of your examination schedule by calling (855) 746-8173. Every effort will be made to reschedule your examination at a convenient time as soon as possible. You will not be penalized. You will be rescheduled at no additional charge.

SOCIAL SECURITY NUMBER CONFIDENTIALITY

PSI will use your social security number only as an identification number in maintaining your records and reporting your examination results to the State. A Federal law requires State agencies to collect and record the social security numbers of all licensees of the professions licensed by the State.

EXAMINATION SITE LOCATIONS

Fairbanks

University of Alaska
1790 Tanana Lp Rm 122, UAF Bunnell Building
Fairbanks, AK 99775

Juneau

University of Alaska SE Learning Center
11066 Auke Lake Way
Egan Library 101
Juneau, AK 99801

Ketchikan

Ketchikan - University of Alaska Southeast
2600 7th Ave. Paul Bldg RM 101
Ketchikan, AK 99901

Sitka

Sitka - University of Alaska Southeast
1332 Seward Avenue
Mount Edgumbe Campus
Sitka, AK 99835

Soldotna

Kenai Peninsula College - Kenai River Campus
156 College Road
Soldotna, AK 99669

Additionally, PSI has examination centers in many other regions across the United States. You may take this examination at any of these locations. Once you have paid for the examination, enter your zip code and a list of the testing sites closest to you will appear.

REPORTING TO THE EXAMINATION SITE

On the day of the examination, you should arrive at least 30 minutes prior to your scheduled appointment time. This allows time for the sign-in and identification verification procedure as well as providing time for you to familiarize yourself with the examination process. *If you arrive late, you may not be*

admitted to the examination site and you will forfeit your examination registration fee.

REQUIRED IDENTIFICATION AT EXAMINATION SITE

You must provide 1 form of identification. The identification must match the name you scheduled with.

NOTE: ID must contain candidate's signature, photo, be valid and unexpired.

- State issued driver's license
- State issued identification card
- US Government Issued Passport
- US Government Issued Military Identification Card (not allowed for remote testing)
- US Government Issued Alien Registration Card
- Canadian Government Issued ID

Failure to bring the proper documentation invalidates your registration. You will not be able to take the examination as scheduled, and you will forfeit your examination fee.

SECURITY PROCEDURES

The following security procedures will apply during the examination:

- Candidates may take only approved items into the examination room.
- All personal belongings of candidates, with the exception of close-fitting jackets or sweatshirts, should be placed in the secure storage provided at each site prior to entering the examination room. Personal belongings include, but are not limited to, the following items:
 - Electronic devices of any type, including cellular / mobile phones, recording devices, electronic watches, cameras, pagers, laptop computers, tablet computers (e.g., iPads), music players (e.g., iPods), smart watches, radios, or electronic games.
 - Bulky or loose clothing or coats that could be used to conceal recording devices or notes, including coats, shawls, hooded clothing, heavy jackets, or overcoats.
 - Hats or headgear not worn for religious reasons or as religious apparel, including hats, baseball caps, or visors.
 - Other personal items, including purses, notebooks, reference or reading material, briefcases, backpacks, wallets, pens, pencils, other writing devices, food, drinks, and good luck items.
- Person(s) accompanying an examination candidate may not wait in the examination center, inside the building or on the building's property. This applies to guests of any nature, including drivers, children, friends, family, colleagues or instructors.
- No smoking, eating, or drinking is allowed in the examination center.
- During the check in process, all candidates will be asked if they possess any prohibited items. Candidates may also be asked to empty their pockets and turn them out for the proctor to ensure they are empty. The proctor may also ask candidates to lift up the ends of their sleeves and the bottoms of their pant legs to ensure that notes or recording devices are not being hidden there.
- Proctors will also carefully inspect eyeglass frames, tie tacks, or any other apparel that could be used to harbor a

recording device. Proctors will ask to inspect any such items in candidates' pockets.

- If prohibited items are found during check-in, candidates shall put them in the provided secure storage or return these items to their vehicle. PSI will not be responsible for the security of any personal belongings or prohibited items.
- Any candidate possessing prohibited items in the examination room shall immediately have his or her test results invalidated, and PSI shall notify the examination sponsor of the occurrence.
- Any candidate seen giving or receiving assistance on an examination, found with unauthorized materials, or who violates any security regulations will be asked to surrender all examination materials and to leave the examination center. All such instances will be reported to the examination sponsor.
- Copying or communicating examination content is violation of a candidate's contract with PSI, and federal and state law. Either may result in the disqualification of examination results and may lead to legal action.
- Once candidates have been seated and the examination begins, they may leave the examination room only to use the restroom, and only after obtaining permission from the proctor. Candidate will not receive extra time to complete the examination.

TAKING THE EXAMINATION BY COMPUTER

The examination will be administered via computer. You will be using a mouse and computer keyboard.

TUTORIAL

Before you start your examination, an introductory tutorial is provided on the computer screen. The time you spend on this tutorial, up to 15 minutes, DOES NOT count as part of your examination time. Sample questions are included following the tutorial so that you may practice answering questions, and reviewing your answers.

TEST QUESTION SCREEN

One question appears on the screen at a time. During the examination, minutes remaining will be displayed at the top of the screen and updated as you record your answers.

IMPORTANT: After you have entered your responses, you will later be able to return to any question(s) and change your response, provided the examination time has not run out.

CANDIDATE COMMENTS

During the test development process, PSI makes every effort to create accurate and fair test questions. However, on occasion a candidate may feel that a particular test question is misleading or is missing information that is needed in order to provide a correct answer. If during the test you believe that a test question needs clarification, we highly recommend that you submit your comments and concerns to PSI while at the test center. Comments may be entered on the computer by clicking the Comments link on the function bar of the test question screen. When submitting comments, please provide as much detail as possible describing what you feel is problematic about the test question.

All comments made are for the future benefit of candidates. PSI will review all comments and, if necessary, make immediate key changes (or item deletions). But, PSI will under no circumstances retroactively change a grade of any prior candidate.

PROTESTS BY CANDIDATES

If a candidate has a concern involving content or scoring of the examination and would like a written response from PSI, the candidate must submit an appeal letter. This letter must include name, social security number, name of the examination, test date, and specific description of concerns. This letter also must contain your signature.

SCORE REPORTING

Passing examination results are valid for 12 months from the “pass” date.

Your score will be given to you immediately following completion of the examination. The following summary describes the score reporting process:

On screen - your score will appear immediately on the computer screen. This will happen automatically at the end of the time allowed for the examination;

- If you **pass**, you will immediately receive a successful notification.
- If you **do not pass**, you will receive a diagnostic report indicating your strengths and weaknesses by examination type with the score report.

On paper - an unofficial score report will be printed at the examination site.

You can print the score report from your online account.

EXPERIMENTAL QUESTIONS

In addition to the number of examination items specified, a small number of 5 to 10 “experimental” questions may be administered during the examinations. **These questions will not be scored and the time taken to answer them will not count against examination time.** The administration of such non-scored experimental questions is an essential step in developing future licensing examinations.

EXAMINATION CONTENT OUTLINES

ALASKA UNLIMITED LINework ADMINISTRATOR

The candidate may supervise all work necessary to the assembling, installation, erection, operation, maintenance, or repair of all electrical apparatus, devices, wires, cables, supports, insulators, conductors, duct, and raceways when they are part of distribution systems outside of buildings and are outside of property lines of any given property up to and including the primary side of transformers; all underground ducts and cables when they are part of a system of a distributing company or utility; all outdoor substations and electrical connections up to and including the setting of transformers and the connecting of the primary busses to them; all outdoor street lighting on public thoroughfares,

roadways, and rights-of-way; all linework consisting of wood, concrete, metal, or substitutes for those materials; and all linework consisting of poles or towers, including wires, cables, or other apparatus supported by them.

# of Questions	% Required to Pass	Time Allowed
100	70%	240 Minutes

CONTENT OUTLINE

Content Area	# of Items
General Electrical Knowledge	12
Grounding	12
Transformers	15
Poles and Structures	15
Conductors and Cables	10
Overhead Lines	6
Underground Lines	5
Electrical Supply Stations	5
Electrical Equipment	4
Equipment Over 600 Volts	6
Safety	5
Alaska Statutes and Regulations	5

REFERENCE LIST

The reference material listed below was used to prepare the questions for this examination. The examination may also contain questions based on trade knowledge or general industry practices. **Except for Code books**, you can base your answers on later editions of references as they become available. For Code questions, the examinations will be based **only** on the edition of the Code book that is listed.

Candidates may use a silent, nonprinting, non-programmable calculator in the examination center.

The following reference material is allowed in the examination center:

Alaska Centralized Regulations, Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806,
https://www.commerce.alaska.gov/web/Portals/5/pub/Centralized_Licensing_Regs.pdf

Alaska Centralized Statutes, Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806,
https://www.commerce.alaska.gov/web/Portals/5/pub/Centralized_Licensing_Stats.pdf

Alaska Construction Contractor Statutes and Regulations (AS 08.18; 12 AAC 21), Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806,
<https://www.commerce.alaska.gov/web/portals/5/pub/ContractorStatutes.pdf>

Alaska Electrical Administrator Statutes and Regulations (AS 08.40; 12 AAC 32), Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806, <https://www.commerce.alaska.gov/web/portals/5/pub/ElectricalStatutes.pdf>

National Electrical Code, 2020, National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02169, (800) 344-3555, www.nfpa.org.

National Electrical Safety Code, 2020, Institute of Electrical and Electronics Engineers, Inc., (732) 981-0060, www.ieee.org

The following reference material is NOT allowed in the examination center:

American Electricians' Handbook, Croft, Hartwell, and Summers, 16th Edition, 2013, McGraw-Hill, (800) 262-4729, shop.mcgraw-hill.com

Lineman's and Cableman's Handbook, Shoemaker and Mack, 14th edition (2023), <https://www.psonlinestore.com/linemans-and-cablemans-handbook-14th-edition/>

Candidates are responsible for bringing their own references to the examination center. Reference materials may be highlighted, underlined, annotated and/or indexed prior to the examination session. However, references may not be written in during the examination session. Any candidate caught writing, highlighting, underlining and/or indexing in the references during the examination will be reported to the Department. Furthermore, candidates are not permitted to bring in any additional papers (loose or attached) with their approved references. References may be tabbed/indexed with permanent tabs only. (Permanent tabs are defined as tabs that would tear the page if removed). Temporary tabs, (defined as Post-It notes, or other tabs that may be removed without tearing the page) are not allowed and must be removed from the reference before the exam will begin. If you are downloading from the Internet, you may bring this reference into the testing center with you as long as it is bound. You can have it spiral bound or you may hole-punch it and put it in a binder.

ALASKA RESIDENTIAL WIRING ADMINISTRATOR

The holder of an electrical administrator license in the residential wiring category may supervise all work on a residential dwelling unit not exceeding three stories in height and no larger than a four-plex except three phase services and wiring. Residential wiring is limited to the residential and includes inside wiring work as defined in 12 AAC 32.165(b); inside communications work as defined in 12 AAC 32.195(b); and control and control wiring work as defined in 12 AAC 32.275(b).

# of Questions	% Required to Pass	Time Allowed
75	70%	180 Minutes

CONTENT OUTLINE

Content Area	# of Items
General Electrical Knowledge	6
Grounding and Bonding	10
Services, Feeders, and Branch Circuits	9

Raceways and Enclosures	10
Conductors and Cables	10
Special Equipment	3
Lighting	5
Low Voltage	5
Photovoltaics	3
Alarm Systems	5
Safety	4
Alaska Statutes and Regulations	5

REFERENCE LIST

The reference material listed below was used to prepare the questions for this examination. The examination may also contain questions based on trade knowledge or general industry practices. **Except for Code books**, you can base your answers on later editions of references as they become available. For Code questions, the examinations will be based **only** on the edition of the Code book that is listed. Candidates may use a silent, nonprinting, non-programmable calculator in the examination center.

The following reference material is allowed in the examination center:

Alaska Centralized Regulations, Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806, https://www.commerce.alaska.gov/web/Portals/5/pub/Centralized_Licensing_Regs.pdf

Alaska Centralized Statutes, Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806, https://www.commerce.alaska.gov/web/Portals/5/pub/Centralized_Licensing_Stats.pdf

Alaska Construction Contractor Statutes and Regulations (AS 08.18; 12 AAC 21), Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806, <https://www.commerce.alaska.gov/web/portals/5/pub/ContractorStatutes.pdf>

Alaska Electrical Administrator Statutes and Regulations (AS 08.40; 12 AAC 32), Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806, <https://www.commerce.alaska.gov/web/portals/5/pub/ElectricalStatutes.pdf>

National Electrical Code, 2020, National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02169, (800) 344-3555, www.nfpa.org.

National Electrical Safety Code, 2020, Institute of Electrical and Electronics Engineers, Inc., (732) 981-0060, www.ieee.org

Code of Federal Regulations - 29 CFR Part 1926 (OSHA), with latest available amendments, U.S. Government Printing Office, (866) 512-1800 or www.access.gpo.gov/nara/cfr/cfr-table-search.html#page1
OR

Code of Federal Regulations - 29 CFR Part 1926 Selections by PSI, with latest available amendments, 866-589-3088, www.psiexams.com (See order form at the end of the Candidate Information Bulletin.)

Candidates are responsible for bringing their own references to the examination center. Reference materials may be highlighted, underlined, annotated and/or indexed prior to the examination session. However, references may not be written in during the examination session. Any candidate caught writing, highlighting, underlining and/or indexing in the references during the examination will be reported to the Department. Furthermore, candidates are not permitted to bring in any additional papers (loose or attached) with their approved references. References may be tabbed/indexed with permanent tabs only. (Permanent tabs are defined as tabs that would tear the page if removed). Temporary tabs, (defined as Post-It notes, or other tabs that may be removed without tearing the page) are not allowed and must be removed from the reference before the exam will begin. If you are downloading from the Internet, you may bring this reference into the testing center with you as long as it is bound. You can have it spiral bound or you may hole-punch it and put it in a binder.

CONTROLS AND CONTROL WIRING ADMINISTRATOR

The holder of an electrical administrator license in the controls and control wiring category may supervise controls and control wiring, including the installation of low voltage controls and control wiring of 48 volts or less for heating, plumbing, process piping, cooling, ventilating, humidifying, and refrigerating equipment. Nothing in this section limits the authority or responsibility of a mechanical administrator to ensure that the controls being installed or modified properly function as an integral part of the mechanical system. Controls and control wiring does not include the installation of power wiring.

# of Questions	% Required to Pass	Time Allowed
50	70%	120 Minutes

CONTENT OUTLINE

Content Area	# of Items
General Electrical Knowledge	5
Control Wiring and Equipment	7
Class 1, 2, and 3 Control Circuits	6
HVAC Control Wiring	6
Manual Control Circuits	4
Automatic Control Wiring	3
Raceways and Enclosures	2
Transformers	3
Test Equipment	2
Fire Alarm Systems	4
Safety	4
Alaska Statutes and Regulations	4

REFERENCE LIST

The reference material listed below was used to prepare the questions for this examination. The examination may also contain questions based on trade knowledge or general industry practices. **Except for Code books**, you can base your answers on later editions of references as they become available. For Code questions, the examinations will be based **only** on the edition of the Code book that is listed.

Candidates may use a silent, nonprinting, non-programmable calculator in the examination center.

The following reference material is allowed in the examination center:

Alaska Centralized Regulations, Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806, https://www.commerce.alaska.gov/web/Portals/5/pub/Centralized_Licensing_Regs.pdf

Alaska Centralized Statutes, Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806, https://www.commerce.alaska.gov/web/Portals/5/pub/Centralized_Licensing_Stats.pdf

Alaska Construction Contractor Statutes and Regulations (AS 08.18; 12 AAC 21), Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806, <https://www.commerce.alaska.gov/web/portals/5/pub/ContractorStatutes.pdf>

Alaska Electrical Administrator Statutes and Regulations (AS 08.40; 12 AAC 32), Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806, <https://www.commerce.alaska.gov/web/portals/5/pub/ElectricalStatutes.pdf>

National Electrical Code, 2020, National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02169, (800) 344-3555, www.nfpa.org.

NFPA 72 - National Fire Alarm Code, 2013, National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02169, (800) 344-3555, www.nfpa.org.

Code of Federal Regulations - 29 CFR Part 1926 (OSHA), with latest available amendments, U.S. Government Printing Office, (866) 512-1800 or www.access.gpo.gov/nara/cfr/cfr-table-search.html#page1

OR

Code of Federal Regulations - 29 CFR Part 1926 Selections by PSI, with latest available amendments, 866-589-3088, www.psiexams.com (See order form at the end of the Candidate Information Bulletin.)

Control Systems for Heating, Ventilating, and Air Conditioning, Sixth Edition, 2006, Kluwer Academic Publishers, Order Department, P.O. Box 358, Accord Station, Hingham, MA 02018-0358.

The following reference material is NOT allowed in the examination center:

American Electricians' Handbook, 16th Edition, 2013, McGraw-Hill, (800) 262-4729, shop.mcgraw-hill.com

Telecommunications Wiring, Clyde Herrick, 2001, 3rd Edition, Prentice-Hall PTR, (800) 382-3419, www.prenhall.com

Understanding and Servicing Alarm Systems, 1999, 3rd Edition, Butterworth-Heinemann (Reed Publishing), (800) 545-2522, www.bh.com

Ugly's Electrical References, George V. Hart, 2017 edition, Jones and Bartlett, (800) 832-0034, www.uglys.net.

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INSIDE COMMUNICATIONS ADMINISTRATOR

The holder of an electrical administrator license in the inside communications category may supervise all inside communications includes work within the inside wiring jurisdiction but limited to the installation, operation, maintenance, and repair of telephone, telegraph, cable television, and intercommunication facilities, beginning at the first point of distribution or the first terminal inside of buildings or property lines.

# of Questions	% Required to Pass	Time Allowed
50	70%	120 Minutes

CONTENT OUTLINE

Content Area	# of Items
General Electrical Knowledge	8
Grounding and Bonding	10
Low Voltage Systems Under 50 Volts	6
Communications Systems	3
CATV Systems	3
Conductors and Cables	5
Raceways and Enclosures	3
Fire and Security Detection Alarm Systems	4
Safety	4
Alaska Statutes and Regulations	4

REFERENCE LIST

The reference material listed below was used to prepare the questions for this examination. The examination may also contain questions based on trade knowledge or general industry practices. **Except for Code books**, you can base your answers on later editions of references as they become available. For Code questions, the examinations will be based **only** on the edition of the Code book that is listed.

Candidates may use a silent, nonprinting, non-programmable calculator in the examination center.

The following reference material is allowed in the examination center:

Alaska Centralized Regulations, Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806, https://www.commerce.alaska.gov/web/Portals/5/pub/Centralized_Licensing_Regs.pdf

Alaska Centralized Statutes, Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806, https://www.commerce.alaska.gov/web/Portals/5/pub/Centralized_Licensing_Stats.pdf

Alaska Construction Contractor Statutes and Regulations (AS 08.18; 12 AAC 21), Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806, <https://www.commerce.alaska.gov/web/portals/5/pub/ContractorStatutes.pdf>

Alaska Electrical Administrator Statutes and Regulations (AS 08.40; 12 AAC 32), Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806, <https://www.commerce.alaska.gov/web/portals/5/pub/ElectricalStatutes.pdf>

National Electrical Code, 2020, National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02169, (800) 344-3555, www.nfpa.org.

NFPA 72 - National Fire Alarm Code, 2013, National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02169, (800) 344-3555, www.nfpa.org.

Code of Federal Regulations - 29 CFR Part 1926 (OSHA), with latest available amendments, U.S. Government Printing Office, (866) 512-1800 or www.access.gpo.gov/nara/cfr/cfr-table-search.html#page1

OR

Code of Federal Regulations - 29 CFR Part 1926 Selections by PSI, with latest available amendments, 866-589-3088, www.psiexams.com (See order form at the end of the Candidate Information Bulletin.)

The following reference material is NOT allowed in the examination center:

American Electricians' Handbook, 16th Edition, 2013, McGraw-Hill, (800) 262-4729, www.books.mcgraw-hill.com

Telecommunications Wiring, Clyde Herrick, 2001, 3rd Edition, Prentice-Hall PTR, (800) 382-3419, www.prenhall.com

Understanding and Servicing Alarm Systems, 1999, 3rd Edition, Butterworth-Heinemann (Reed Publishing), (800) 545-2522, www.bh.com

Live Sound Reinforcement: A Comprehensive Guide to P.A. and Music Reinforcement Systems and Technology, -OR- *Live Sound*

Reinforcement, Bestseller Edition, Scott Hunter Stark,
www.amazon.com

Data, Voice, and Video Cabling, 3rd Edition, 2009, The Fiber Optic Association, Jim Hayes and Paul Rosenberg,
www.cengage.com

Antenna Toolkit, Joe Carr, 2001, 2nd edition, Butterworth-Heinemann (Reed Publishing), (800) 545-2522, www.bh.com

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OUTSIDE COMMUNICATIONS ADMINISTRATOR

The holder of an electrical administrator license in the outside communications category may supervise outside communications work, including outside linework as defined in 12 AAC 32.075(b) but limited to the installation, operation, maintenance, and repair of telephone, telegraph, cable television, and intercommunication facilities, up to the first point of distribution or the first terminal inside of building or property lines.

# of Questions	% Required to Pass	Time Allowed
50	70%	120 Minutes

CONTENT OUTLINE

Content Area	# of Items
General Electrical Knowledge	8
Grounding and Bonding	10
Low Voltage Systems Under 50 Volts	4
Communications Systems	4
Poles and Structures	4
Conductors and Cables	10
Raceways and Enclosures	2
Safety	4
Alaska Statutes and Regulations	4

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https://www.commerce.alaska.gov/web/Portals/5/pub/Centralized_Licensing_Regs.pdf

Alaska Centralized Statutes, Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806,
https://www.commerce.alaska.gov/web/Portals/5/pub/Centralized_Licensing_Stats.pdf

Alaska Construction Contractor Statutes and Regulations (AS 08.18; 12 AAC 21), Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806,
<https://www.commerce.alaska.gov/web/portals/5/pub/ContractorStatutes.pdf>

Alaska Electrical Administrator Statutes and Regulations (AS 08.40; 12 AAC 32), Alaska Department of Commerce, Community and Economic Development, Division of Corporations, Business and Professional Licensing, P.O. Box 110806, Juneau, AK 99811-0806,
<https://www.commerce.alaska.gov/web/portals/5/pub/ElectricalStatutes.pdf>

National Electrical Code, 2020, National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02169, (800) 344-3555, www.nfpa.org.

National Electrical Safety Code, 2017, Institute of Electrical and Electronics Engineers, Inc., (732) 981-0060, www.ieee.org.

Code of Federal Regulations - 29 CFR Part 1926 (OSHA), with latest available amendments, U.S. Government Printing Office, (866) 512-1800 or www.access.gpo.gov/nara/cfr/cfr-table-search.html#page1

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American Electricians' Handbook, Croft, Hartwell, and Summers, 16th Edition, 2013, McGraw-Hill, (800) 262-4729, shop.mcgraw-hill.com

Lineman's and Cableman's Handbook, Shoemaker and Mack, 14th edition (2023),
<https://www.psonlinestore.com/linemans-and-cablemans-handbook-14th-edition/>

Telecommunications Wiring, Clyde Herrick, 2001, 3rd Edition, Prentice-Hall PTR, (800) 382-3419, www.prenhall.com

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UNLIMITED COMMERCIAL WIRING ADMINISTRATOR

The holder of an electrical administrator license in the unlimited commercial wiring category may supervise all inside wiring work, in accordance with AS 08.40.195, including the work defined under the inside communications category in 12 AAC 32.195(b); the work defined under the residential wiring category in 12 AAC 32.235(b); and the work defined under the controls and control wiring category in 12 AAC 32.275(b). Inside wiring includes the installation, construction, operation, maintenance, and repair of all electrical work subject to the National Electrical Code within buildings and within property lines of any given property, and beginning at the secondary side of the transformer or street lighting and traffic signalization on public thoroughfares, roadways, or rights-of-way; and work starting immediately after the first point of attachment of aerial or underground conductors to buildings or structures if aerial or underground wires or cables are used to provide power for buildings or structures within the property lines of any given property.

Unlimited commercial wiring does not include linework consisting of poles and towers, including the wires, cables, and other apparatus supported by them; and outdoor substations or other work defined under the unlimited linework category.

# of Questions	% Required to Pass	Time Allowed
100	70%	240 Minutes

CONTENT OUTLINE

Content Area	# of Items
General Electrical Knowledge	9
Grounding and Bonding	13
Services, Feeders, and Branch Circuits	13
Raceways and Enclosures	13
Conductors and Cables	13
Special Occupancies	8
Electrical Power	3
Motors	5
Low Voltage	4
Lighting	3
Photovoltaics	3
Alarm Systems	3
Safety	5
Alaska Statutes and Regulations	5

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- ORDER ONLINE AT WWW.PSIONLINESTORE.COM
- CALL THE PSI ONLINE STORE TOLL-FREE AT (866) 589-3088

NOTE: PRICES ARE AVAILABLE ONLINE AT WWW.PSIONLINESTORE.COM

.	29 CFR Part 1926 Selections
.	American Electricians' Handbook
.	Ugly's Electrical References
.	Lineman's and Cableman's Handbook
.	National Electrical Code

Please note: Inventory and pricing subject to change without notice.