

**INFORMATION GUIDE
AIRCRAFT OPERATIONS
TECHNICIAN
KNOWLEDGE TEST - VERBAL**

TEST #8505

INTRODUCTION

The **8505 Aircraft Operations Technician Knowledge Test (Verbal)** was designed to cover the major knowledge areas necessary to perform the job. The test is designed for both internal and external candidates; therefore, it does not contain Southern California Edison specific processes and procedures. This guide contains strategies and other information to prepare for the test.

VERBAL TEST SESSION

During the verbal test session, a panel of test administrators, who are subject matter experts on the Aircraft Operations Technician job, will ask you a series of questions. The administrators are looking for specific responses to the questions and will score your responses to the test questions using a standardized scoring key. The scores you will receive will correspond to the number of correct answers you provide. The question below demonstrates the format of the test question and scoring.

Question: What are the first three letters of the alphabet?

Correct responses:

A / B / C

Scoring: You receive a point for each correct answer for a total of 3 points.

Your test administrators will provide you with all the materials necessary to complete the test. It is important that you follow the directions of the administrators exactly.

During the testing session, you may **NOT** leave the testing area, talk to others, smoke, eat, or drink. Since this testing will take **approximately 60 minutes**, you should consider these factors before the test begins.

All cellular/mobile phones or other electronic equipment will NOT be allowed in the testing area.

INFORMATION GUIDE FEEDBACK

At the end of this Guide you have been provided with an Information Guide Feedback page. If a procedure or policy has changed, making any part of this Guide incorrect, your feedback would be appreciated so that corrections can be made.

TESTING STRATEGIES

INTRODUCTION

Your emotional and physical state during the verbal test may determine whether you are prepared to do your best. The following list provides common sense techniques you can use before the verbal test begins.

CONFIDENCE

If you feel confident about your physical abilities, you may lose some of your anxiety. Think of the interview as a way of demonstrating how much you know, the skills you can apply, your abilities, the problems you can solve, and your good judgment capabilities.

PUNCTUALITY

Arrive early enough to feel relaxed and comfortable before the test begins.

CONCENTRATION

Try to block out all distractions and concentrate only on the assessment. If the test room becomes noisy or there are other distractions or irregularities, mention them to the Test Administrator immediately.

UNDERSTAND THE QUESTION

Listen carefully to each of the questions and follow all directions provided by the administrators.

ANSWER THE QUESTIONS

Ensure your answers are precise, complete, unambiguous and succinct.

Remember the techniques described in this section are only suggestions. You should follow the test taking methods that work best for you.

JOB KNOWLEDGE CATEGORIES AND STUDY REFERENCES

The **8505 Aircraft Operations Technician Knowledge Test (Verbal)** requires you to answer questions that assess specific knowledge required to perform the job. Below are the major job knowledge categories covered on the test. Study references can be found on pages 5 - 6 of this packet. You can use this information to prepare for the test.

THE MAJOR KNOWLEDGE AREAS COVERED IN THIS VERBAL TEST ARE:

REGULATORY KNOWLEDGE

Knowledge of Federal Aviation Regulations part 133 (long line work) and 91 (patrol work, ferry flights); Knowledge of FSIMS (Flight Standards Information Management System) 8900-1 evaluate a congested area plan; Ability to interpret a congested area plan; Knowledge of external load procedures and requirements; Knowledge of aviation head and hand signals.

FIELD KNOWLEDGE

Knowledge of aviation radio etiquette; Knowledge of rigging (e.g., how to properly rig a load and select the correct rigging for the job); Knowledge of lines and rigging inspection, inventory, HEC equipment, and requirements; Ability to exercise aeronautical decision making and situational awareness.

SAFETY

Knowledge of helicopter fueling both static and hot refueling procedures.

JOB PLANNING

Knowledge of proper landing zone securement best practices and outside agency requirements; Knowledge of airports for fueling logistics.

STUDY REFERENCES

You may refer to the following references in preparation for your verbal test.

REGULATORY KNOWLEDGE

https://www.faa.gov/hazmat/air_carriers/operations/part_133

https://www.faa.gov/hazmat/air_carriers/operations/part_91

[FAA Order 8900.1 - Flight Standards Information Management System \(FSIMS\)](#)

<https://webstore.ansi.org/standards/asme/asmeb30202610belowhookrigging>

[1926.251 - Rigging equipment for material handling. | Occupational Safety and Health Administration \(osha.gov\)](#)

[Rotorcraft External Load Operators \(Part 133\) | Federal Aviation Administration \(faa.gov\)](#)

[General Operations \(Part 91\) | Federal Aviation Administration \(faa.gov\)](#)

FIELD KNOWLEDGE

[General Operations \(Part 91\) | Federal Aviation Administration \(faa.gov\)](#)

[1926.251 - Rigging equipment for material handling. | Occupational Safety and Health Administration \(osha.gov\)](#)

[ASME B30.20 / ASME B30.26 / ASME B30.10 - Below the Hook and Rigging Hardware Package \(ansi.org\)](#)

[eCFR :: 14 CFR 135.330 -- Crew resource management training. \(FAR 135.330\)](#)

[AC 120-51D - Crew Resource Management Training \(faa.gov\)](#)

https://www.faa.gov/sites/faa.gov/files/2022-06/risk_management_handbook_2A.pdf

SAFETY

[AC 150/5230-4C - Aircraft Fuel Storage, Handling, and Dispensing on Airports \(faa.gov\)](#)

[AC 150/5230-4C, Aircraft Fuel Storage, Handling, Training, and Dispensing on Airports, 9/23/2021 \(updated by errata sheet 3/9/2023\) \(faa.gov\)](#)

JOB PLANNING

[General Operations \(Part 91\) | Federal Aviation Administration \(faa.gov\)](#)

[AC 150/5230-4C, Aircraft Fuel Storage, Handling, Training, and Dispensing on Airports, 9/23/2021 \(updated by errata sheet 3/9/2023\) \(faa.gov\)](#)

[Rotorcraft External Load Operators \(Part 133\) | Federal Aviation Administration \(faa.gov\)](#)

[AC 150/5230-4C - Aircraft Fuel Storage, Handling, and Dispensing on Airports \(faa.gov\)](#)



INFORMATION GUIDE FEEDBACK

Please use this page to notify us of any changes in policies, procedures, or materials affecting this guide. Once completed, return to:

Southern California Edison
Human Resources – Testing Operations
6010 Irwindale Ave, Suite B
Irwindale, CA 91706

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COMMENTS