

Commercial Pilot Airman Knowledge Test Guide — 10001389-016 Update, February 2019

Since the last publication of the FAA Airman Knowledge Commercial Pilot Test Guide, version 10001389-016 and the rollout of the Commercial Pilot Airman Certification Standards (ACS), the FAA has made a number of changes to their knowledge test, including removing many questions that are considered obsolete or irrelevant. The FAA has also published a new computerized testing supplement that contains some new figures and replaces existing figures with higher quality, color graphics. In addition, the FAA has deleted some figures and the associated questions. Active questions are also now aligned with knowledge, skill, or risk management elements defined in the appropriate ACS document. Jeppesen is currently working on a revision to the Commercial Pilot Airman Knowledge Test Guide that will reflect these changes.

Keep in mind that questions published by Jeppesen and other test prep providers are sample questions designed to increase understanding of the learning objectives published in the Commercial Pilot Airman Certification Standards (ACS). You should not expect to see these exact questions on your Commercial Pilot airman knowledge test.

The following changes to the Commercial Pilot Airman Knowledge Test Guide will be addressed in the next revision.

Out-of-Date Content/Questions

- Content and questions regarding the following topics will be removed.
 - Local airport advisory (LAA) service
 - ADF/NDB navigation
 - Radio magnetic indicator (RMI)
 - Radar summary charts
 - Enroute flight advisory service (EFAS)
 - Transcribed weather broadcast (TWEB)
 - Timed approaches from holding
 - Flight service stations “on the field”
 - VHF/DF steer
 - Composite moisture stability chart (replaced with lifted index chart)
 - Inertial navigation system (INS)
 - LORAN
 - 4-panel significant weather prognostic charts
 - Weather depiction charts
 - Area forecasts
- Questions that are operationally irrelevant or that require rote memorization will be removed (for example, questions regarding the validity period for unscheduled products such as SIGMETS).
- References to the Airport/Facility Directory (A/FD) will be changed to this publication’s new name, “Chart Supplement.”

New Questions/Content

Questions and content on the following ACS subjects will be added based on the FAA sample questions from October 15, 2018.

- Preflight preparation/pilot qualifications/operating as pilot-in-command (PIC) as a commercial pilot, including:
 - Recency of experience.
 - Requirements to act as PIC of a high performance airplane.
 - Operating privileges.
- Preflight preparation/airworthiness requirements/aircraft certificates, including:
 - ELT inspection.
 - Compliance with ADs.
- Preflight preparation/weather information for a flight under VFR, including:

- Determining cloud thickness by interpreting a METAR.
- Determining forecast ceiling and visibility by interpreting a TAF.
- Weather characteristics associated with a thunderstorm anvil.
- Obtaining weather information as part of preflight planning.
- Preflight preparation/cross-country flight planning, including:
 - Winds aloft associated with pressure systems.
 - Minimum altitudes above congested and uncongested areas.
- Preflight preparation/national airspace system (NAS), including scenarios that apply to:
 - Operating in Class B airspace.
 - Cloud clearance and visibility minimums.
 - Special use airspace.
- Preflight preparation/performance and limitations
 - Results of exceeding critical Mach number.
 - Effects on lift when transitioning to a climb.
- Preflight preparation/human factors, including:
 - Somatogravic illusion.
 - Blood alcohol level.
- Preflight procedures/preflight assessment, including:
 - Airport surface hot spots.
 - Interpreting airport direction signs during taxi.
 - Airport operations/communications and light signals
- Takeoffs, landings and go-arounds/normal approaches and landings, including:
 - Conducting a go-around.
 - Effects of landing downwind.
 - Land and hold short operations (LAHSO).
 - Engine failure after takeoff.
- Performance and ground reference maneuvers, including
 - The relationship of bank angle and speed to the rate of turn.
- Navigation/pilotage and dead reckoning, including:
 - Using dead reckoning for VFR navigation.
 - Navigating in the vicinity of a VOR.
 - Use of handheld GPS for VFR navigation.
- Emergency operations/systems and equipment malfunctions, including:
 - Failure of the air data computer.
 - Notifying the NTSB regarding a malfunction.

Airman Knowledge Testing Supplement for Commercial Pilot

The following content revisions will address changes in the 2018 testing supplement.

Appendix 1

- Add Legend 1 — Sectional Aeronautical Chart
- Add Legends 2-16 — Chart Supplement

Appendix 2

- Enhance quality and color of all figures.
- Modify existing figures as applicable.
- Add the following new figures and questions that apply to each figure.
 - Figure 3A — Maximum Glide Distance
 - Figure 55A — En Route Low Altitude Segment
 - Figure 66 — Chart Supplement
 - Figure 67 — Chart Supplement
 - Figure 68 — Chart Supplement
 - Figure 69 — Weather Prediction Center (WPC) Surface Prog Chart
 - Figure 70 — Weather Prediction Center (WPC) Surface Prog Chart

- Figure 71 — Low-level Significant Weather Chart
- Remove the following figures that were deleted by the FAA and remove the associated questions.
 - Figure 7 — Stability Chart
 - Figure 16 — Magnetic Compass/ADF
 - Figure 18 — Magnetic Heading/Radio Compass
 - Figure 19 — Magnetic Heading/Radio Compass
 - Figure 20 — Radio Magnetic Indicator (RMI)
 - Figure 21 — Isosceles Triangle
 - Figure 22 — Isosceles Triangle
 - Figure 23 — Isosceles Triangle
 - Figure 24 — Isosceles Triangle
 - Figure 25 — ILS RWY 13L (DSM)
- Replace out-of-date sectional charts with new chart format and update any associated questions.
 - Figure 52 — Sectional Chart Excerpt
 - Figure 53 — Sectional Chart Excerpt
 - Figure 54 — Sectional Chart Excerpt
 - Figure 55 — En Route Low Altitude Segment

Additional Enhancements

Jeppesen will include the following enhancements to the Commercial Pilot Airman Knowledge Test Guide.

- ACS codes associated with each question will be added.
- The summary content for each chapter associated with the *GFD Instrument/Commercial* textbook will be updated.