

Instrument Rating Knowledge Test Guide — 10001388-019 Update, February 2019

Since the last publication of the FAA Airman Knowledge Instrument Rating Test Guide, version 10001388-019 and the rollout of the Instrument Rating 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 Instrument Rating 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 Instrument Airman Certification Standards (ACS). You should not expect to see these exact questions on your Instrument Rating airman knowledge test.

The following changes to the Instrument Rating 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Out-of-Date Content/Questions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.
 - Airport Surveillance Radar (ASR) approaches
 - Back Course approaches
 - LDA & SDF
 - MLS, INS
 - ADF/NDB, RMI
 - VOR/DME RNAV
 - BARO VNAV
 - Composite Flight Plans
 - Designation of instruments as “primary” or “secondary” for aircraft control
 - Inner Marker and Middle Marker
 - Specific number of degrees on glide path
 - Timed approaches from holding
 - Slaved gyro
 - Time and distance questions involving multiple interpolation
 - Radar summary charts
 - Weather depiction charts
 - Area Forecasts
 - EFAS
 - TWEB
 - 4-panel significant weather prognostic charts
 - Aircraft performance and weather questions that involve multiple interpolations across multiple charts
- 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 or the meaning of brackets near station model on a WX depiction chart).

References to the Airport/Facility Directory (A/FD) will be changed to this publication’s new name, “Chart Supplement.”

Modified Questions/Content

The following topics have been updated, along with revised questions.

- Figures depicting the old domestic flight plan form are deleted and will eventually be replaced with the International [ICAO] Flight Plan format for domestic use.

- FAA charts incorporating old chart formatting are replaced with charts depicting updated formatting. The charting format now includes at the top of the chart, a pilot briefing information section and a list of the navigation equipment necessary to fly the procedure.

Airman Knowledge Testing Supplement for Instrument Rating

The following content revisions will address changes in the 2017 testing supplement.

Appendix 1

- Enhance quality and color of all figures.
- Modify existing figures and revise questions that apply to each figure:
 - Legends 1, 1A, 1B, 1C, 1D, 1E, 1F, 23 & 23A — Abbreviations
 - Legends 2-19 — Airport/Facility Directory
 - Legends 20 and 21 — Instrument Approach Procedures Explanation of Terms
 - Legend 22 — General Information
 - Legends 24-26 — Instrument Approach Procedures (Symbols and Profile)
 - Legend 27 — Instrument Takeoff or Approach Procedure Charts, Rate-of-Climb/Descent Table (The Rate-of-Climb and Rate-of-Descent tables were combined into one table.)
 - Legend 29 — Airport Diagram
 - Legends 30 and 31 — Approach Lighting Systems
 - Legend 32 — Inoperative Components or Visual Aids Table
 - Legends 33-35 — IFR En Route Low Altitude (U.S.)
 - Legend 36 — Aircraft Equipment Suffixes
 - Legend 37 — Air Navigation Radio Aids
 - Legend 38 — ILS Standard Characteristics and Terminology

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 18 — U.S. Level Significant Weather Prognostic Chart (updated from a 4 panel chart to a 2 panel chart)
 - Figure 19 — U.S. Level Significant Weather Prognostic Chart
 - Figures 254 and 259 — Airport Signs
 - Figure 255 — Two Signs
 - Figure 256 — Airport Diagram and Sign
 - Figure 257 — Taxiway Diagram and Sign
 - Figure 258 — Instrument Landing System (ILS) Critical Area Markings
 - Figures 260-271 — Graphical Forecast for Aviation
- Remove the following figures that were deleted by the FAA and remove the associated questions.
 - Figure 1 — Flight Plan
 - Figure 8 — Radar Summary Chart
 - Figure 9 — Severe Weather Outlook Charts
 - Figure 12 — Observed Winds Aloft for 34,000 Feet
 - Figure 14 — ISA Conversion Chart
 - Figures 21, 21A, 27, 32, 38, 44, 50, 62, 69 and 74 — Flight Plan and Aircraft Information
 - Figures 22, 22A, 28, 33, 45, 51, 57, 63, 70 and 75 — Flight Planning Log
 - Figure 23 — Grand Junction Nine Departure (JNC9.JCN)
 - Figure 25 — ILS/DME RWY 2 (DRO)
 - Figure 26 — ILS RWY 11 (GJT)
 - Figure 29 — ILS RWY 16 (EUG) and Excerpt from Airport/Facility Directory
 - Figure 30 — GNATS One Departure and Excerpt from Airport/Facility Directory
 - Figure 30A — RMI Indicator
 - Figure 34A — Airport/Facility Directory (HOT)

- Figure 35 — En Route Chart Segment and Blue Ridge Three Arrival
- Figure 35A — Blue Ridge Three Arrival Description
- Figures 36, 58, 206A and 207 — Excerpt from Airport/Facility Directory
- Figure 36A — RNAV RWY 33 (ADS)
- Figures 37 and 43 — CDI and RMI — NAV 1 and NAV 2
- Figure 39 — Flight Log and Excerpt from Airport/Facility Directory (21XS)
- Figure 39A — Excerpt from Airport/Facility Directory (21XS)
- Figure 41 — ACTON Two Arrival
- Figure 41A — ACTON Two Arrival Description
- Figure 42 — ILS-1 RWY 36L, Dallas-Fort Worth Intl
- Figure 42A — ILS RWY 36L (DFW)
- Figure 46 — GROMO Two Departure and Excerpt from Airport/Facility Directory
- Figure 49 — LOC/DME RWY 21 (PDX)
- Figure 52 — HABUT One Departure and Excerpt from Airport/Facility Directory
- Figure 54 — RMI and CDI Indicators
- Figure 55 — VOR/DME-B (PRB)
- Figure 56 — IFR Flight Plan and Aircraft Information
- Figure 60 — Airport/Facility Directory and Enroute Flight Advisory Service (EFAS)
- Figure 60A — ILS RWY 4 (HOU)
- Figure 68 — COPTER VOR DME-117 Degrees (HUM)
- Figure 72 — JUDDS TWO ARRIVAL (BDL)
- Figure 73 — ILS RWY 6 (BDL)
- Figure 77 — STAKK TWO DEPARTURE (KHLN)
- Figure 79 — RMI Indicator (Figure 61 also was changed from RMI and CDI Indicators to just a CDI Indicator)
- Figure 80 — VOR/DME RWY 27R and Airport/Facility Directory (BIL)
- Figure 82 — Dual VOR Systems, Accuracy Check
- Figures 83 and 84 — Altimeter/12,000 Feet and Altimeter 8,000 Feet
- Figure 85 — WASHOE TWO DEPARTURE (RNO)
- Figure 92 — Minimum In-Flight Visibility and Distance from Clouds
- Figure 93 — New Airspace Classification
- Figure 100 — RMI Illustrations
- Figures 101-103 — Directional Gyro and ADF Indicator
- Figure 104 — Radio Magnetic Indicator
- Figure 105 — Aircraft Magnetic Heading and ADF Illustration
- Figures 107 and 108 — RMI — DME — ARC, Illustration Wind Component
- Figure 117 — Heading and ADF Indicators
- Figure 118 — ILS Rwy 12L (DSM)
- Figure 119 — ILS RWY 24R (LAX)
- Figure 120 — ILS RWY 35R (DEN)
- Figure 121 — ILS RWY 30R (DSM)
- Figure 122 — ILS RWY 8L (ATL)
- Figure 123 — VOR/DME-A (7D3)
- Figure 124 — LOC RWY 35, Duncan, Oklahoma
- Figure 125 — ILS RWY 17R, Lincoln, Nebraska
- Figure 126 — ILS RWY 31, Dothan, Alabama
- Figure 127 — NDB RWY 28, Lancaster/Fairfield County
- Figure 128 — VOR RWY 36 (PUC)
- Figure 129 — RNAV RWY 36 (LIT)
- Figure 130 — LDA RWY 6 (ROA)
- Figure 133 — ILS RWY 9 (RAL)
- Figure 143 — Slaved Gyro Illustration
- Figure 152 — RNAV (GPS) RWY 30, North Platte Regional Airport Lee Bird Field (LBF)

- Figure 153–VOR/DME RWY 3, Norridgewock/Central Maine Airport of Norridgewock (OWK)
- Figure 154–Oshkosh/Wittman Regional (OSH)
- Figure 194–RNAV (GPS) RWY 15 (COM)
- Figure 246–NDB-A (CQX)

Additional Enhancements

Jeppesen will include the following enhancements to the Instrument Rating 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.