

MAR 1981

DEPARTMENT OF TRANSPORTATION
Federal Aviation Administration

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FLIGHT NAVIGATOR

Written Test Subject Matter Outline

To find the questions you missed (by knowledge areas), compare the subject matter codes on the enclosed Airman Written Test Report, AC Form 8080-2, with the coded items on the subject matter outline below.

NOTE: The total number of questions you missed cannot be determined by the number of subject matter codes shown on the enclosed examination report, since one or more questions were missed in each subject matter item identified.

FEDERAL AVIATION REGULATIONS AND ICAO
RULES OF THE AIR

A. FAR 63--Certification: Flight Crewmembers
Other Than Pilots

- A01. Subpart A, General
- A02. Subpart C, Flight Navigators

B. FAR 91--General Operating and Flight Rules

- B01. Compliance with ATC clearances and instructions (91.75)
- B02. Altimeter settings (91.81)
- B03. Minimum altitudes for IFR operations (91.119)
- B04. IFR cruising altitude or flight level (91.121)

C. FAR 121--Certification and Operations:
Domestic, Flag, and Supplemental Air
Carriers and Commercial Operators of
Large Aircraft

- C01. Airplane performance--applicability (121.171)
- C02. Airplane performance--general (121.173)
- C03. Transport category airplanes: reciprocating engine powered: weight and takeoff limitations (121.175 and 121.177)
- C04. Transport category airplanes: turbine engine powered: takeoff limitations (121.189)
- C05. Transport category airplanes: turbine engine powered: landing limitations: destination and alternate airports (121.195 and 121.197)
- C06. Flight recorders (121.343)
- C07. Flight navigator (121.389)
- C08. Crewmember emergency training (121.417)
- C09. Flight navigator training (121.426)
- C10. Flight time limitations (121.493/121.483)
- C11. Dispatch or flight release (121.613 and 121.615)
- C12. Alternate airport, destination and departure (121.621 and 121.617)

- C13. Alternate airport weather minimums (121.625)
- C14. Dispatching authority (121.593 and 121.595)
- C15. Fuel supply (121.641 and 121.645)
- C16. Factors for computing fuel required (121.647)

D. ICAO--Rules of the Air--Annex 2

- D01. General flight rules, Chapter 3
- D02. Visual Flight Rules, Chapter 4
- D03. Instrument Flight Rules, Chapter 5

FUNDAMENTALS OF AIR NAVIGATION

E. Earth and Coordinate Systems

- E01. Chart projection features
- E02. Direction--true, magnetic, compass, grid
- E03. Great circle and rhumb-line courses
- E04. Position referenced to parallel 60°N.

F. Celestial Navigation

- F01. Basic definitions and relationships
- F02. Elements of astronomical triangle
- F03. Time diagrams and the air almanac
- F04. Star identification
- F05. Errors effecting LOPs
- F06. Special solutions related to upper and lower transits of the local meridian

G. Navigation Instruments and Related Theory

- G01. Compass systems
- G02. Airspeed indicators and machmeters
- G03. Altimeters
- G04. Temperature indicators
- G05. Absolute altimeters
- G06. Sextants

H. Air Navigation Systems--Operating Principles

- H01. Loran
- H02. Doppler
- H03. Inertial
- H04. Other