

## P-RNAV Flightcrew Knowledge Examination

When required, refer to the following references to answer the questions below:

- Helsinki (EFHK) Chart 10-3U
- Appropriate AFM Limitations or Temporary Revisions
- AC 90-96A
- FMS Pilot Operating Guide
- Company Operations Manual, P-RNAV Procedures

1. What Required Navigation Performance (RNP) level is required in P-RNAV airspace?

2. How would a flightcrew determine if a procedure required P-RNAV?

3a. For the Challenger 604, what minimum navigation equipment is required for P-RNAV airspace?

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

d. \_\_\_\_\_

e. \_\_\_\_\_

3b. For the Global Express, what Limitations must be complied with when operating on P-RNAV procedures?

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

d. \_\_\_\_\_

4. What is the ICAO Flight Plan equipment suffix for P-RNAV?

5. Describe the Contingency Procedures for the following:

a. Loss of Flight Director in P-RNAV Airspace?

b. Loss of Autopilot in P-RNAV Airspace?

- c. Loss of P-RNAV Capability in P-RNAV Airspace?
  
  - d. Loss of Communication Capability in P-RNAV Airspace?
6. Describe the differences between B-RNAV and P-RNAV.
7. Describe the following FMS Waypoint Path Terminators:
- a. CF Path Terminator.
  
  - b. TF Path Terminator
8. Describe the difference between a Fly-By Waypoint and a Fly-Over Waypoint and describe how this is shown on the FMS(s) you operate.
9. While cross-checking FMS Waypoints against waypoints on a published P-RNAV Departure Procedure, a disparity in latitude and longitude of one waypoint is noted.
- a. Which information source takes precedence: the navigation database or the chart?
  
  - b. May the flightcrew correct the inaccurate waypoint information in the FMS and then fly the P-RNAV procedure?
10. Which AFCS Lateral Modes are required when flying a P-RNAV Procedure?
11. Which AFCS Vertical Modes may be used when flying a P-RNAV Procedure?

12. Would a failure such as a Hydraulic System failure, Engine failure, Flight Control failure or other abnormality preclude continued flight on a P-RNAV Procedure?

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Name

Date

I attest that on this date, I reviewed this exam with the examinee and discussed any incorrect or incomplete answers. I am satisfied that the examinee has demonstrated the knowledge required to safely and accurately conduct P-RNAV flight operations.

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Chief Pilot

Date