



**Federal Aviation
Administration**

Initial En Route Qualification Training

**Lesson 31
Radar Data Display
End-of-Lesson Test**

Course 50148001

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Initial En Route Training

Lesson 31

Radar Data Display

End-of-Lesson Test – Variation 1

Lesson Objectives:

On an End-of-Lesson Test and in accordance with DTFA01-03-C-00015, you will identify the meaning of selected data on the radar display.

Directions: Item 1 requires you to match the data block items in Column B to their corresponding symbols in Column A. Items 2 through 9 are multiple choice. Indicate your selection by circling the appropriate letter.

1.

Column A	Column B
\	A. Unpaired Beacon
◇	B. Paired Beacon
⊠	C. Primary Beacon
⊠	D. Radio Beacon
/	E. Fixed Obstruction
	F. VOR/VORTAC
	G. FLAT Track
	H. Coast Track

RADAR DATA DISPLAY
End-of-Lesson Test – Variation 1 *(Continued)*

2. When the computer correlates the predicted position, speed, and heading with the actual radar return using flight plan information, the target is considered _____.
- A. Unpaired
 - B. Paired
 - C. Primary
 - D. Fixed
3. B1 through B3 of the Full Data Block may contain _____ information.
- A. Heading
 - B. Destination
 - C. Special Condition
 - D. Assigned altitude
4. What does the following B4 Full Data Block example indicate?
- UAL63
160 — 153
583 320
- A. Mode C has previously reported that the aircraft at assigned altitude has deviated 300 or more feet below assigned altitude.
 - B. Mode C has previously reported that the aircraft at assigned altitude has deviated 300 or more feet above assigned altitude.
 - C. Controller-entered altitude indicates that aircraft is climbing to assigned altitude.
 - D. Controller-entered altitude indicates that aircraft is descending to assigned altitude.

RADAR DATA DISPLAY
End-of-Lesson Test – Variation 1 *(Continued)*

5. What does the following C4 Full Data Block example indicate?

N518G
80↑63 #
531 240

- A. Controller-entered altitude indicates that aircraft is climbing to assigned altitude.
 - B. Controller-entered altitude indicates that the aircraft at assigned altitude has deviated 300 or more feet above assigned altitude.
 - C. Mode C has previously reported that the aircraft at assigned altitude has deviated 300 or more feet above assigned altitude.
 - D. Mode C reported altitude is within $\pm$ 200 feet of single assigned altitude.
6. Which statements are true concerning Field E of the Full Data Block?
- A. Contains ground speed.
 - B. May contain special condition information relative to the status of the aircraft.
 - C. May time share with other items eligible for display.
 - D. All of the above.
7. Which of the following is the code displayed when updated data is **NOT** being received?
- A. MISM
 - B. FAIL
 - C. OLD
 - D. EMRG

RADAR DATA DISPLAY
End-of-Lesson Test – Variation 1 (Continued)

8. The caret symbol “^” in the vertical portal could indicate that the aircraft _____.
(Select all that could apply.)
- A. Will Auto-handoff
 - B. Will Not auto-handoff
 - C. Has entered another sector with a handoff being made
 - D. Has entered another sector without a handoff being made
9. The Unpaired Limited Data Block displays which of the following?
- A. AID (call sign), assigned altitude, and Mode C altitude
 - B. AID (call sign) and assigned altitude
 - C. Beacon code and, if available, Mode C altitude for untracked aircraft
 - D. AID (call sign) and Mode C altitude