

**Garmin GTN 750 Avionics Checkout**

**Terminology Review**

1. Define DTK, TRK, XTK and their relationship to each other \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. Define and describe the relationship between VNAV and VSR \_\_\_\_\_  
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\_\_\_\_\_
3. What does ESA stand for and what is its purpose? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
4. What does the abbreviation FPL stand for? \_\_\_\_\_
5. What is the difference between ETA and ETE? \_\_\_\_\_  
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6. What is the difference between HDG and TRK? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. What is the difference between MSA and ESA? \_\_\_\_\_  
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\_\_\_\_\_
8. VLOC refers to what capability in the GTN 750? \_\_\_\_\_  
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\_\_\_\_\_
9. What does OBS mean? \_\_\_\_\_  
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**TIS Systems**

10. What does TIS stand for and how does it work? \_\_\_\_\_  
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\_\_\_\_\_
11. At what ranges (distance and altitude) will TIS display other aircraft? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# LE AVIATION

12. Can TIS data be used as sole means of traffic avoidance? \_\_\_\_\_
13. Approximately how old is TIS data when displayed? \_\_\_\_\_
14. At what distances and altitudes relative to your aircraft will TIS provide a traffic advisory? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
15. TIS icons on the map page are either open diamonds or solid yellow circles. What is the difference between the two when deciding which aircraft is a threat? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
16. TIS icons have a line protruding from them. What does the line represent? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
17. What information is displayed next to the TIS traffic icons? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Weather

18. What types of weather information can be displayed on a GTN 750 series when a GDL data link receiver is installed? \_\_\_\_\_  
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19. METARs are available in two different formats, what are they? \_\_\_\_\_  
\_\_\_\_\_
20. What are the main limitations to using NEXRAD data? \_\_\_\_\_  
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\_\_\_\_\_
21. There are multiple weather products available on the dedicated weather pages. What are they? \_\_\_\_\_  
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\_\_\_\_\_
22. Can NEXRAD weather be overlaid on the GTN 750 NAV page? \_\_\_\_\_
23. Where can you go in the unit to find the symbol decoding the graphical METAR information? \_\_\_\_\_  
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\_\_\_\_\_

**COM and VLOC operation (Practical)**

1. Exercise 1
  - a. Manually tune the COM radio to local weather frequency and make it the active frequency
  - b. Tune the VLOC to the closest VOR frequency and make it the active frequency
  - c. Set the unit so that the external CDI is tracking the tuned VOR instead of the GPS
2. Exercise 2
  - a. Use the waypoint function icon to find the ATIS frequency for KOGD and automatically tune to the COM radio
  - b. Make the ATIS frequency active then tune to the ground frequency in the same manner
3. Exercise 3
  - a. Locate the nearest VOR page using the nearest function icon, automatically tune the NAV frequency
  - b. Make LHO the active frequency and ensure that the external CDI is set to track the VOR

**Direct-To and Flight Planning navigation (Practical)**

1. Exercise 1
  - a. Enter direct to navigation to Pocatello airport (KPIH)
2. Exercise 2
  - a. Create a flight plan using the active flight plan page to go to KSUN via KMLD then onto KSUN
3. Exercise 3
  - a. Create a flight plan direct Wendover. Insert LHO between logan and Wendover