

# Cindtronix Aviation

## A Cessna Pilot Center

210 Airport Street, North Kingstown Rhode Island

### Cross Country Planning Checklist

1. Verify you have current charts.
2. Obtain a standard weather briefing from the FSS. ([www.duat.com](http://www.duat.com)) Print it out!
3. Obtain the departure and destination information from the Airport Facility Directory. (Green Book)
4. Draw the airports, runway length/width, runway numbers, pattern altitude, and traffic pattern on your navigation log with north being the top of the page.
5. Notate all frequencies to be used on your nav log.
6. Draw and measure distance of your course on the Sectional chart. (Note total distance on nav log)
7. Determine cruising altitude...
  - Winds aloft (FD report)
  - Base of the clouds.
  - Length of the trip
  - Airspace requirements
  - VFR cruising altitude rules  
(*odd plus 500ft east, even plus 500ft west*)
8. Measure your True Course Heading. Note in TC box of NAV log.
9. Identify Visual Checkpoints and mark them on the chart - about one every 7-10 miles is good. (*Use high contrasting mark*)
10. Put the Checkpoints on your Navigation log.
11. Measure the distances between the checkpoints and enter that on the nav log.
12. Determine Wind Correction Angle (WCA) from Winds Aloft
13. Notate magnetic variation and compass deviation figures on your nav log. (*Find magnetic variation on sectional chart) East you subtract, west you add.*
14. Calculate True Headings (with WCA), Magnetic Headings (Variation), Compass Headings (Deviation)
15. Calculate True Airspeed, Ground Speed, Fuel Usage, RPM Settings from POH
16. Determine the Time between checkpoints.
17. Determine the Fuel used between checkpoints.
18. Determine if fuel is adequate for the trip, including reserves.
19. Compute a weight & balance, considering fuel, passengers, baggage.
20. Calculate take off and landing distances
21. Emergency planning
  - What if you can't complete the flight as you planned it?
  - En-route weather changes?
  - Lost communications plan?
  - What if you get lost?
  - Fuel emergency? Off airport landing?
  - Equipment emergency: what's your backup plan?