

VFR Cross-Country Checklist

WEATHER

- Sources of acceptable weather data, products, & resources
- Expected climate & hazardous conditions
 - Big Picture (prog charts, graphical area forecasts, fronts, & pressure systems)
 - Severe Weather (AIRMETs, SIGMETs, icing, turbulence, & wind shear avoidance)
 - TAFs & METARs

NATIONAL AIRSPACE SYSTEM

- Airspace Classes, Requirements, & Limitations
- Special Use Airspace (SUA), Special Flight Rules Areas (SFRA), TFRs, MOAs, Restricted, Warning, etc.
- Chart Symbology

PERFORMANCE & LIMITATIONS

- Use of Charts, Tables, & Data to Determine Aircraft Performance
- Factors Affecting Performance (wind, density alt, pilot technique, acft config/wt/CG, airport environment)
- Weight & Balance Calculations

CROSS COUNTRY FLIGHT PLANNING

- Route Planning
 - Training requirements (total & leg distances, takeoffs/landings, towered airports)
 - Airspace (classes, airways, & special use), airports, & comm/nav systems & facilities
 - NOTAMS/TFRs (or other restrictions)
 - COM/NAV equipment requirements & availability
 - Airport issues (closures/outages) - FBOs, facilities, taxiways, runways
 - Chart supplement
 - Pattern direction
 - Runway lengths (review airport diagram, if available)
 - Services available & operating hours
- Altitude Selection
 - VFR cruising altitudes (>3k' AGL)
 - Terrain & obstacles (MEF)
 - Gliding distances
 - Winds aloft & hazardous weather considerations
- Calculations (E6B or flight computer)
 - Time & distance en route
 - Climb & descent rates (Top of Climb [TOC] & Top of Descent [TOD])
 - Course & heading (true, magnetic, & wind corrected)
 - True Airspeed (TAS) & Ground Speed (GS)
 - ETA in local & UTC
 - Fuel requirements & reserves (*1 hour reserve required by GCAC Pilot Rules*)
- Elements of a VFR Flight Plan & Procedures to Open/Close It

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ELECTRONIC FLIGHT BAG (EFB)

- Aircraft (equipment & remarks), W&B, and Performance Profiles
- Flights (Navlog, Briefing, Files, Msgs) - Pack & File Flight Plan
- Other: Imagery (weather planning), Documents & Plates Binders

ON-BOARD DOCUMENTS & EQUIPMENT

- Pilot logbook with endorsements, medical certificate, student pilot certificate
- A.R.O.W. (airworthiness cert, registration, ops limits, certified weight & balance)
- Required: Airspeed ind, altimeter, mag compass, tach, oil press/temp, fuel gages, beacon, ELT, seatbelts
- Other: Checklists, EFB/charts, chocks, tie-downs, gust locks, tow bar, extra oil, food/water, flashlights, etc.