

Flight Service Station - Weather Briefing

Conditions: Before Every Flight

Flight Service Station (FSS) - is a FAA approved facility which provides pilot services including weather briefings regarding current and forecasted weather, possible hazards and flight restrictions along a pre-determined route.



Preflight Action FAR 91.103

☐ Pilot in command shall, become familiar with all available information concerning that flight including weather reports & forecasts

Weather Minimums

☐ Basic VFR Minimums

☒ **VFR:** Ceilings > 3000 ft
Visibility > 5 sm

☒ **MVFR:** Ceilings
1,000 ft - 3000 ft
Visibility 3 - 5 sm

☒ **IFR:** Ceilings
500 ft - 1000 ft
Visibility 1 - 3 sm

☒ **LIFR:** Ceilings < 500 ft
Visibility < 1 sm

☐ Cloud Clearances
500 ft Below,
1,000 ft Above
2000 ft Horizontal

☐ Flight Must be made with
Reference to the Surface

☐ Maximum Tailwind
Component - ____ kts

☐ Maximum Crosswind
Component - 15kts

☐ Maximum Wind - ____ kts

☐ Flight in Icing Conditions
is Prohibited

☐ IFR is Prohibited

Air Echo Alpha 51, LLC



Background Information

- ☐ Flight Service Station (FSS)
 - ☐ <http://www.1800wxbrief.com>
 - Create Pilot & Aircraft Profiles
 - Pilot Flight & Briefing History

☐ Nationwide: 1-800-WX-BRIEF

☐ Enroute: 122.2 or RCO frequency

☐ Services

- **Preflight Briefings**
- Flight Plans
 - o Close Reminders
- Search & Rescue Services
- Pilot Reports
- Adverse Condition Alerting Service
 - o Email/Text (358-782)
- ATC Notices
 - o Flight Plan Accepted
 - o Flight Plan Route Change
- TFRs/NOTAMs/ NAVAIDS
- Flight Planning Tools
 - o Plan a Route
 - o Evaluate Departure times
 - o Altitude Optimization
 - o Nav Log
 - o File

FSS Script (ICAO Flight Plan Data)

☐ Student Pilot

☐ VFR Flight

☐ Aircraft Identification: _____

☐ Aircraft Type: _____

☐ Departure Point: (Erie, EIK)_____

☐ Departure Time: ____:____ (Zulu)

☐ Cruising Altitude: (9000)_____

☐ Route of Flight: (Remaining in the Area)

☐ Destination: (EIK)_____

☐ Time Enroute: (2 hours)_____

☐ Type of Briefing: (Standard Briefing)

* Zulu Time = MST +7 (+6 Daylight Savings)

Briefing Format

AIM 7-1-4

☐ Types of Briefings

- **Standard**
- Abbreviated
- Outlook

☐ Adverse Conditions

- Convective SIGMETs/ SIGMETs
- AIRMETs
- Center Weather Advisories
- NAVAID Outages
- Runway or Airport Closers

☐ VFR Not Recommended (if applicable)

☐ Synopsis

- Surface Analysis
- HEMS Tool/ Ceiling & vis analysis
- Constant Pressure Charts
- Radar & Satellite Images
- Current Freezing levels

☐ Current Conditions

- METARs/SPECIs
- Radar & Satellite Images
- Pilot Reports (PIREPs)

☐ Enroute Forecast

- Prog Charts
- GFA Tool
- Cloud coverage
- Visibility, surface winds & Precip
- Convective outlook
- Freezing level forecast

☐ Destination Forecast

- TAFs

☐ Winds & Temperatures Aloft, Jet Stream

☐ Notice to Airman (NOTAMs)

- NOTAMs -Ds, FDC, FICON
- Temporary Flight Restrictions

☐ ATC Delays