

AOPA

FPAW 2016

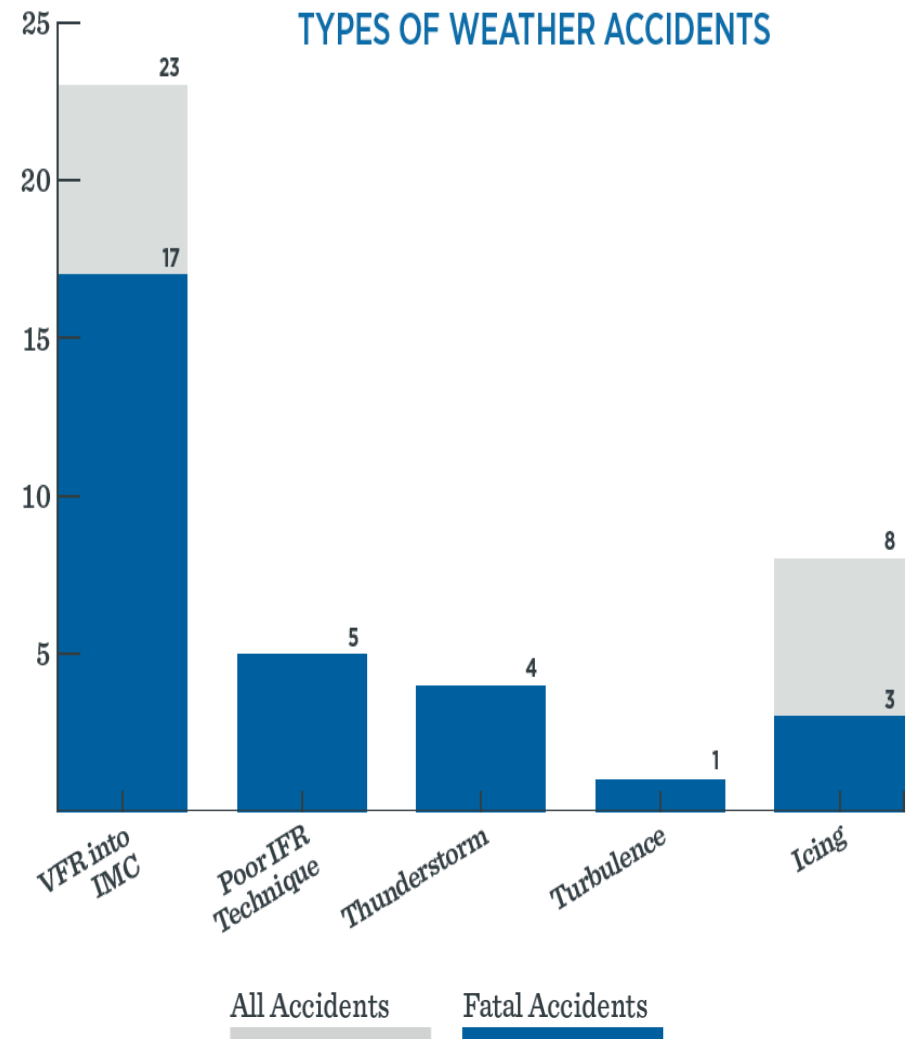
Rune Duke

**Director, Airspace & Air Traffic Services
Aircraft Owners & Pilots Association**

25th Annual Nall Report



- Identify accident trend for targeted education effort
- Analysis of 2013 accident data – reduction over 2012
- VFR into IMC results in most fatalities
- Available August 11



AOPA Education Efforts

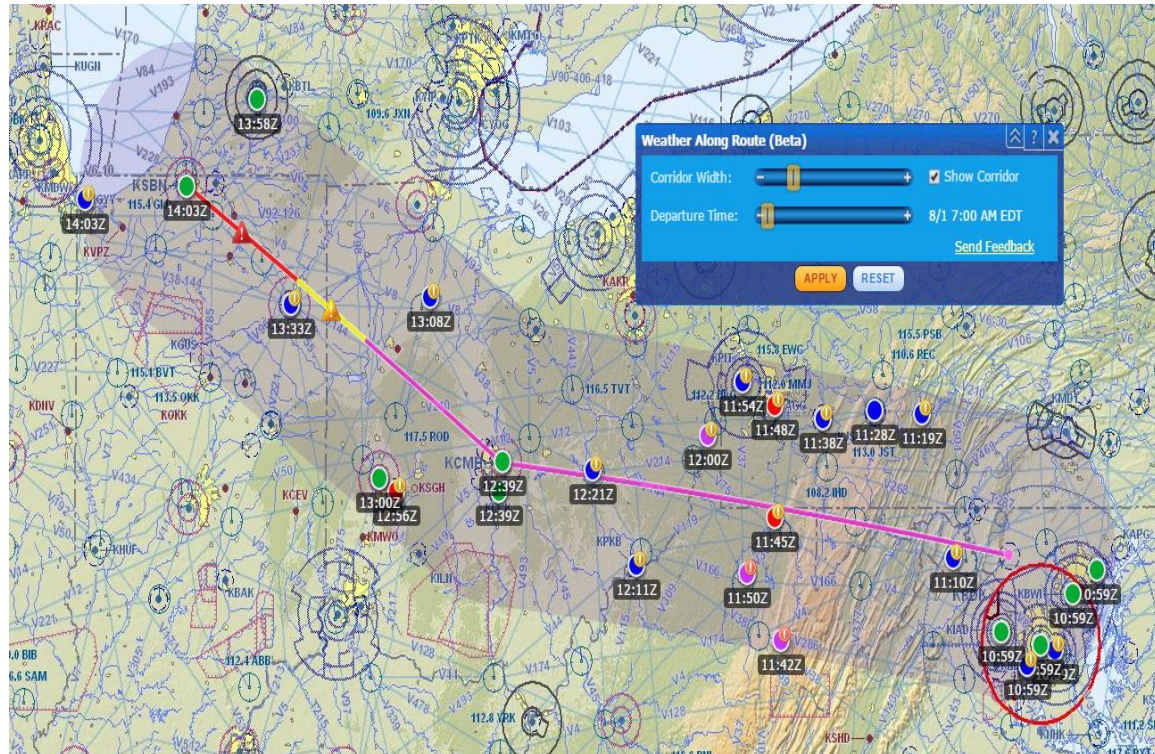


- AOPA Air Safety Institute
- New courses and videos
 - All videos are on YouTube and are free
 - Made possible with grant by NOAA and NWC
- NEXRAD latency and FIS-B latency articles
- Assist WTIC with outreach and increasing pilot participation



AOPA Weather Along Route

Better integrated weather planning resources for pilots





Modernizing Flight Service

- Telephone briefings delivered have been dropping over 10% year over year
 - 80% of pilots file flight plan (IFR and VFR) online
 - 92% of pilot briefings are delivered online
 - Inflight contacts decreasing: 95% of aircraft average less than 10 calls per month
- AOPA surveys
 - 82% frequently/always use EFB (75% Alaska)
 - Age is not statistically significant indicator of calling

Future Flight Service Contract



- AOPA and the FAA, partnering with Embry-Riddle Aeronautical University and Indiana University, investigating how pilots interact with FSS
- Supporting advanced technology
- Encouraging and expanding online services
 - Benefits of graphics
- Availability of telephone briefings
- Update FAA guidance/rules to promote online FSS



AOPA Weather Advocacy

- Increasing awareness of FIS-B benefits
- Increasing PIREP submittals
 - Embracing technology
 - Changes to air traffic control order
 - AWC PIREP website comments and PIREP Working Group
 - Allowing >1 hr old PIREPs to be submitted
- Increased access to surface weather observations
- Graphical Area Forecast
- Cold Temperature Restricted Airports
- Pilot surveys

AOPA

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Thank you!



DEDICATED TO HELPING BUSINESS ACHIEVE ITS HIGHEST GOALS.



NBAA Safety for Bizav

John Kosak – Program Manager, Weather

NBAA Safety for Bizav

Who We Are

- National Business Aviation Association
 - 11000+ member companies
 - Strategic Focus Teams
 - Standing Committees
 - Weather Subcommittee
 - Safety Committee
 - Schedulers and Dispatchers
 - Flight Attendants

NBAA Safety for Bizav

How We Educate & Inform

- Annual conventions & Regional Forums
 - Professional Development Courses
 - Education Sessions
- On-Demand Education
 - Live and recorded Webinars
- Business Aviation Insider
 - NBAA's Official Member Publication
- NBAA Airmail
- Social Media
 - Facebook, Twitter, YouTube, iTunes, LinkedIn, Instagram

NBAA Safety for Bizav

Air Traffic Services

- Representatives at FAA Air Traffic Services System Command Center
 - Represent the interests of business aviation in the National Airspace System
 - Participate on planning calls.
 - PIREPs used and requested on regular basis.

NBAA Safety for Bizav

Runway Excursions

- Published a PDF for members:
- Reducing Business Aviation Runway Excursions.

NBAA Safety for Bizav

Loss of Control – In Flight

- Notes

NBAA Safety for Bizav

Weather Subcommittee

- Continuing to grow and contribute.



**DEDICATED TO HELPING BUSINESS
ACHIEVE ITS HIGHEST GOALS.**

FPAW/AFS Update



Federal Aviation
Administration

FAA Flight Standards AFS-430 Summer FPAW 2016

Presented to: FPAW

By: Gordon Rother AFS-430

Date: 2-3 August, 2016

Getting the message out

- **AC 00-06, Aviation Weather For Pilots and Flight Operations Personnel is currently Awaiting signature.**
 - **Supplements the newly updated *Aviation Weather Services (AC 00-45)***
 - **The source of much of the document began with an unpublished update to AC 00-6 begun by NWS employees employed at the FAA Training Academy in Oklahoma City. Information from NWS web page also adapted into the document**
 - **The pdf version will contain internal hyperlinks for quick accesses from the Table of Contents to sections of reader interest**
 - **The first update to *Aviation Weather (AC 00-06)* in forty years**



AC 00-06 Continued

- **Added weather phenomena critical to aviation discovered since the last publication in 1975 such as Low Level Wind Shear and High Ice Water Content**
- **Updated with modern concepts of meteorology, especially in radar technology**
- **Added section on Space Weather**
- **Updated graphics illustrations with improved picture quality**



Getting the message out - Continued

- **AC 00-30, Clear Air Turbulence Avoidance, Published 22 March 2016**
 - **Updated explanation of wind shear**
 - **The importance of inflight weather advisories**
 - **Airline Safety Management Systems (SMS) inclusion**
 - **Model Best Practices terminology removed**
- **AC 00-24, Thunderstorms, updated and published 19 February 2013**



Getting the message out - continued

- **AC 00- 45, Aviation Weather Services - Awaiting signature**
Update was needed to provide a significant update to NWS weather information and graphics. Additionally, restructured the AC to follow FAA types of weather information for better navigation of the document.
 - **Observations**
 - **Analyses**
 - **Forecasts**
 - **Weather Tools**



Getting the message out - continued

- **AC 00-54, Pilot Wind Shear Guide, Published 25 November 1988**
- **AC 00-57, Hazardous Mountain Winds and Their Visual Indicators, Published 10 September 1997**
- **AC 00-63, Use of Cockpit Displays of Digital Weather and Aeronautical Information - Awaiting signature**
 - **Advisory Use Information**
 - **Removed Category 1 and Category 2 Data Link services terminology**
 - **Use of software application on portable devices (EFB)**
 - **Operational use of FIS-B**



Getting the message out - Continued

- **AC 90-23G, Aircraft Wake Turbulence, Published 10 February 2014**
- **AC 91-13C, Cold Weather Operation of Aircraft, Published 24 July 1979**
- **Airman's Information Manual (AIM) - Published 26 May 2016 updated TWIP information**



GFA/FA

- **Graphical Forecast for Aviation (GFA) will replace the outdated Area Forecast (FA)**
 - **Awaiting AWC to freeze the product**
 - **FSS personnel Training**
 - **Parallel operation for 3 months**
 - **Safety Risk Panel will be held at the end of August**

AFS 430 will update the AC 00-45 and revise the AIM



FIS-B

- **AC 00-63 was revised removing references to Category 1 and Category 2 Data Link services. This allows for greater use of the products.**
- **New products will be added within the next 48 months:**
 - **Lightning**
 - **Turbulence**
 - **Icing**
 - **Cloud tops**
 - **One minute AWOS**

- **Challenges: SC 206 discussing limited bandwidth & limitations**



Wrap Up

- **Questions?**
- **Rother, Gordon (FAA)**
- **Gordon.rother@faa.gov**

