

Frostbitten Flyer

EAA Chapter 850

February 2021

Lake Superior Chapter

North Central U.P. of Michigan

What is Aeronautical Decision Making (ADM) ?

(extracted from [FAA Safety Briefing – GA Safety Enhancement Topic Fact Sheets](#))

A common thread among many GA accidents is the inability for pilots to execute sound decisions. It could be a dismissal of a known risk, a willingness to press on in conditions beyond a pilot's capabilities, or the absence of information to make a good decision about that flight (e.g., inadequate weather briefing). ADM provides a systematic approach to the mental processes used by pilots to consistently determine the best course of action in response to a given set of circumstances. In other words, ADM is what pilots intend to do based on the latest information they have. ADM is a continuous process from preflight to tie-down. The three major categories of ADM are pre-flight, in-flight, and post-flight. Each has its unique set of concerns. Understand that effective risk management takes a great deal of introspection, patience, and practice.

To help pilots better apply the principles of ADM, the FAA adopted the 3-P Model (Perceive — Process — Perform). This three-step process offers a simple, systematic approach to accomplishing each ADM task during all phases of flight. To use it, you need to:

- **Perceive** the given set of circumstances for your flight. That means gathering all relevant information pertaining to your flight. This allows you to perceive the mission and the environment in which it will be flown. This step begins during preflight but continues throughout the flight.
- **Process** the information you gather, evaluate its impact on flight safety, and determine your best course of action. This analysis continues during the flight as you receive new information.
- **Perform** by implementing the best course of action. Performance results become information to be perceived and analyzed. Based on those results, pilots will decide whether to continue with the action or make a change.

Because every flight has some level of risk, it is critical that pilots are able to differentiate, in advance, between a low-risk flight and a high-risk flight, and then establish a review process and develop risk mitigation strategies. A Flight Risk Assessment Tool (FRAT) enables proactive hazard identification, is easy to use, and can visually depict risk. It is an invaluable tool in helping pilots enhance their ADM skills and should be a part of every flight. Although designs can vary, FRATs generally ask a series of questions that help identify and quantify risk for a flight. The FAA Safety Team (FAASafetyTeam) currently offers a FRAT tool that follows the PAVE checklist, covering questions on the Pilot, Aircraft, environment, and External Pressures.

For example, you may be asked how much rest you've had, how much time you've had in the aircraft, and what the weather conditions are for your destination. Based on the answers you supply, a total risk score is calculated. No FRAT can anticipate all the hazards that may impact a particular flight, but there are some common hazards that GA pilots encounter regularly. The FAASafetyTeam's easy-to-use and GA-focused FRAT can get you started in effective safety risk management. The FRAT is currently available as an automated spreadsheet available at bit.ly/FAASafetyTeamFRAT.

A few key factors to identify while working through the ADM process are the ability to: note that a change has (or hasn't) occurred; identify your own biases; be honest with yourself and your ability; set (and adhere to) personal minimums; resist external pressures (perceived saving time/ money/face); prepare (and use) a plan B; and continuously evaluate the outcome.

Resources

FAA Safety Team Course — The Art of ADM bit.ly/ADM-3P

FAA Pilots Handbook of Aeronautical Knowledge, Chapter 2, ADM (PDF download) bit.ly/PHAKchapter2

FAA Risk Management Handbook bit.ly/2ZlqgFQ

[Jan/Feb 2017 FAA Safety Briefing](#) — Risk Management:

Up-Coming Chapter Events

Saturday, January 16, 2012 - Chapter meeting by Zoom. See info on page 2.

Words From Ted

It's Valentine's Day on this Frigid February morning and at a current temperature of -10 degrees I'm not in any rush to venture out of this warm house. Twelve days to go until Lynn and I are out of this cold and down to the warm tropical breezes...seems like an eternity!

Like many other chapters including ours, the EAA chapter at Spruce Creek in Daytona Beach is still holding their meetings virtually. This means we will miss the camaraderie and face-to-face interaction that we have experienced there in the past. From warbirds to vintage planes, they have it all. Thanks in advance to Fred Benzie for handling the March meeting plans for our chapter.

This year's AirVenture is still in the planning stages and it looks as though it will happen! Besides the split airshows designed to spread out the crowds, there will be many other changes due to Covid restrictions. Some of the changes will be as follows:

- **Masks** will be strongly recommended if you are unable to social distance (roughly 6 feet or 2 meters).
- Proof of **COVID vaccine** will not be required to attend.
- **International visitation** is dependent on current international travel regulations and mandates in the U.S. and individual countries of residence.
- Increased **physical distancing** will be encouraged in all areas.
- EAA is adding significant numbers of sanitizing facilities and working with industry-leading companies for **continual disinfection** throughout the grounds.
- **Theater in the Woods, forums pavilions**, and other outdoor venues will operate with reduced seating capacity, with social distancing opportunities on the open grounds at that location.
- There will be fewer exhibitors in each **indoor exhibit building**, creating more walkways and separation between exhibitors. Additional venues on the grounds are being re-purposed to accommodate indoor exhibitors that are moved this year.
- Wherever possible, **ventilation will be increased** in tents and indoor facilities.
- Several **annual events** where physical distancing is not possible will not be held this year, including the Monday night concert; the Young Eagles, EAA Lifetime Member, and International Visitors dinners; the Runway 5K run/walk; and large corporate events and receptions.
- **High-demand forums** and presentations will be scheduled more than once to accommodate demand while allowing for distancing.

(Ed Note: Go to www.eaa.org/COVID to keep abreast of Covid impacts to AirVenture.)

I am hoping that we will again be able to hold a chapter gathering at AirVenture, (socially distancing of course) in the campground as we have done in the past.

For our chapter meeting this month I have scheduled another Zoom call which worked well last month. The call will begin at 9:00am EST this Saturday, February 20th. I will be sending out a group email with the invitation to join. The link for joining will be as follows.

Join Zoom Meeting

<https://us04web.zoom.us/j/77495498892?pwd=bWY2TDZkNm9YK3YyMUZtd2ZnRWs2QT09>

Meeting ID: 774 9549 8892

Passcode: 15TZpU

Editor's Notes

Will Kroeger

906-241-9070

wkroeger@alphaComm.net

Last month I asked if anyone was willing to share their Aviation Story. Well, David Pasahow from Chapter 439 volunteered and sent the following article. Thanks David.

No one in my family was in any way associated with General Aviation. Flying was for the Uber wealthy, and my only introduction to flying was a United Airlines Connie between New York and Chicago.

As many of you know, I am half Yooper and half Chicago/Midwesterner...my Mothers family has deep roots in the UP, and I was fortunate to spend all my Summers at Spread Eagle Lake. Childhood memories always include the UP.

One Sunday in August 1966 my Mother organized a road trip to Eagle River. Included in the trip was my Aunt, Cousin and Grandmother. It was a perfect Summer day and the drive over was beautiful.

The challenge came as we started our return trip. The 1964 Pontiac wouldn't start...bad starter. My mother put a call into a family friend who owned the Chevrolet Dealership in IMT for advice. He confirmed the problem after talking to the Mechanic and delivered the news to my Mom...your car is dead.

There was no way to get it repaired on Sunday...so how do we get home..? The Dealer offered to send a car to fetch us, but admitted it would be several hours to find someone and then get them dispatched. He suggested one other option...go to the Eagle River Airport and see if someone could fly us back...and he would place a car at the airport. The other alternative was spend the night, hope a part could be located and wait for a repair.

My Mother was not the most aggressive person...and I'm sure she never would have thought of this...but desperate times suggest a different course. A call was made and the Airport Manager/FBO Owner and Charter Pilot accepted the mission. As we headed to the Airport I had no idea what was ahead for me...other than a flight in a small plane.

We presented ourselves and were introduced to the aircraft...a Cessna 172. Now if you are keeping track of the passenger count we were a group of 5...plus a Pilot. My Grandmother took the right seat, my Mother and Aunt in the rear seat...with me between them and my Cousin crouching on her knees in the baggage area.

We taxied to the runway, took off and climbed out to the East direct IMT....the sun was setting behind us...the air was smooth as glass...and my life was forever impacted.

We flew over the Nicolet National Forest and I think I could almost see Lake Michigan. The landing was to the south on Runway 19....and the memory of the strobe lights reflecting off the ground as we touched down is etched in my mind. I'm not sure if I decided subconsciously at the time or if it happened later...but I was going to learn to fly.

I started consuming everything I could find on General Aviation...my Middle School Library subscribed to Flying Magazine...and the Librarian would hold it for me every month...so I could get it first. I found a radio that could get aircraft frequencies, a neighbor through a friend of a friend got me a set of O'Hare approach plates..and I spent hours listening to the inbound traffic.

When I graduated from High School in 1970 I had a Summer job at the Marina on Spread Eagle...and support from my Parents to take flying lessons at Fontana Aviation at IMT. Yes, costs were less...but so was income...C-150 @ \$10.00 hour ...wet. I soloed at 10 hours on August 10, 1970....and by chance my Dad was there to see my three landings. Celebration that night at the T&T...the original one on the North side.

I went off to College, finished my Private during Spring Break 1971 and became a Private Pilot. I worked for Fontana as a Line Guy from noon to 8 pm for two Summers and had the opportunity to fly the right seat of the Twin Beech Air Mail flights most nights.

I have also been fortunate to able to own a number of airplanes over the years...a Navion, Cessna 205, Pilatus P-3, Piper Lance and my current 1956 Cessna 182. Additionally I found a way to combine my avocation with my professional work...building a successful Consulting Practice serving all the major industry participants. I was also fortunate to be asked to join the Board of The EAA in 1987, where I am today the longest serving Director.

Flying seems to have always been a part of my lifeand as I approach my 50 year mark in General Aviation I fully appreciate the role fate can play in one's life direction.

EAA Webinars

Register at: [Webinars](#)

All webinars are 8 pm EST unless otherwise noted

2/16/21	Flying Procedures into Canada*	Luke Penner
2/17/21	7 ATC and You: Balancing IFR Flying and the Efficiency of Controlled Airspace*	Richard Kennington and Bob Obama
2/24/21	Owner in Command: Things I Wish I Knew Before I Knew Them**	Sebastien Seykora
3/2/21	Panthers and Beyond (Homebuilder series)	Dan and Rachel Weseman
3/3/21	How Mags Fail**	Mike Busch
3/9/21	Bong: America's Ace of Aces	Chris Henry
3/10/21	Pushing Past TBO - Running your Rotax Engine "On Condition"***	Prof. H. Paul Shuch
3/16/21	Rolling Fear Upside Down with Aerobatics*	Cecilia Aragon
3/17/21	Sling Aircraft Kits	Mike Blyth
3/24/21	SNAGGED! Dealing with Defects Safely and Legally**	Sebastien Seykora
3/31/21	Engine Care Items Every Pilot Should Know**	Bill Ross

* Qualifies for FAA Wings credit.

** Qualifies for FAA Wings and AMT credit.

**Upcoming SportAir Workshop courses hosted at the EAA Aviation Center in Oshkosh, WI.
Save time and money by learning proper techniques right from the start, taught by experienced and accomplished professionals.**



Electrical Systems & Avionics — March 13-14, 2021

At the end of the course you will be thoroughly knowledgeable on aircraft electrical systems and have the confidence to build and install a system in your aircraft. Enroll now



Fiberglass Techniques for RV Aircraft — March 13-14, 2021

This course will provide training in composite techniques required for completion of non-composite aircraft kits such as the Van's RV series of aircraft and others. Enroll now

Two For One: Dual AirVenture Air Show Performances Promote Social Distancing

An innovative air show format to promote social distancing will be part of EAA AirVenture Oshkosh 2021, as the afternoon air show will at times feature a split performance area that accommodates two acts flying at the same time.

The split performance areas along Oshkosh's 11,000-foot flight line will be used for aerobatic displays with aircraft that have a smaller performance footprint. It will allow two acts to safely fly their rehearsed routines at the same time — one at the north end of the aerobatic box while another flies simultaneously at the south end.

The AirVenture sound system already has the capability to split narration, so each act will have its own announcer and music.

For aircraft that require a larger demonstration area, such as the F-16 Viper Demo Team and the World War II warbirds that fly through the entire air show box, the full flight line will be used for their performances, as in the past.

As the daily afternoon air show lineup is announced each morning during AirVenture, the schedule will include what performers will be flying in the split box format and at which location. In addition to the split-box format, consideration is being given to spread other assets along the crowd line as well.

The air show innovations are part of the significant planning for AirVenture 2021 to maintain best practices for possible COVID-related challenges. The initial alterations for the AirVenture grounds were announced last week (See Ted's article), with additional information coming as it is confirmed.

AirVenture 2021 features nine air shows over seven days, including night airshows on July 28 and 31. The daily afternoon air shows are presented by Daher and Pratt & Whitney Canada, while the Wednesday, July 28, night air show is presented by Covington Aircraft.

(Extracted from EAA News website.)

Flying Events *(within 200nm of KIMT): (B) Breakfast (L) lunch (D) Dinner Times CST unless noted*

Mar 22-25	HAI Helo-Expo	New Orleans, LA
Apr 13-18 Sun 'n Fun	Lakeland, FL (LAL)	
Apr 26 FAA Safety Event	Houghton CO (CMX) Calumet, MI	6:00pm
	"Accidents Incidents and Pilot Proficiency" Register Here	
Jul 26-Aug 1 AirVenture	Oshkosh, WI (OSH)	
Labor Day Antique Airplane Association Fly-in	Antique (IA27), Blakesburg, IA	

Top Air Show Performers Commit to EAA AirVenture Oshkosh 2021

Some of my friends do not care who performs at Oshkosh. In fact, I have one friend who has gone for the past 40+ years and never seen an airshow. Well, I care who performs and have only missed two of the afternoon shows while at Oshkosh over the past 32 years. It is one of my favorite highlights of the event.

Among the returning performers and aircraft already on the schedule for 2021 include:

AeroShell Aerobatic Team (T-6)	Nathan Hammond (Super Chipmunk)
Vicky Benzing (Stearman)	Rob Holland (MX-2)
Jeff Boerboon (Yak-110 jet-assisted twin)	Dell Collier (RAD Aerosports Jet Waco)
Wild Blue Rodeo (RV-8)	Jim Peitz (Beechcraft 33C Bonanza)
Bob Carlton (SubSonex JSX-2)	Red Line Air Shows (RV-8)
Kirby Chambliss, Aaron Fitzgerald, and the Red Bull Air Force	Gene Soucy (Grumman Showcat)
Kevin Coleman (Extra 300 SHP)	Bill Stein (Zivko Edge 540)
Kyle Fowler (Rutan Long-EZ)	Skip Stewart (Pitts S2S Prometheus)
Kyle Franklin Comedy Act (Piper Super Cub)	Patty Wagstaff (Extra 330LX)
Mike Goulian (Extra 330C)	Geico Skytypers (SNJ)
Matt Younkin (Twin Beech 18)	David Martin (Beechcraft Baron)

Do you know a girl interested in Aviation?

In honor of International Women's Day (March 8th), Wisconsin Girls in Aviation and 3 Wisconsin Chapters of Women in Aviation will present a live panel discussion with women aviators from across Wisconsin! This interactive event will allow girls to learn about, and ask questions about a variety of aviation paths. This event is geared towards girls ages 12+ and their families.

The Wisconsin chapters of Women in Aviation International thank Vernice/FlyGirl Armour and the Wisconsin Space Grant Consortium for sponsoring this event and aviation outreach activities for girls and families.

This free virtual event will be held Saturday, March 6, 2021 from 10:30am-12:00pm CST. Have them sign up [here!](#) (Info from 2/11/21 EAA eHotline)

Catch up on EAA News

Read about the latest EAA news, features, and program updates. Plus, learn new information on products and innovations happening in the aviation community. Latest news updates [here](#).

New FAA Chart Cycle Starts This Month

Starting February 25, 2021, chart subscribers (and pilots everywhere) will notice an important change to the effective dates of charts. The FAA is shortening the update cycle for VFR charts to match the dates on IFR charts. This means that, whereas sectional charts used to be updated every six months, now all FAA charts will be updated every 56 days.

EAA Chapter 850
c/o Ted Kirkpatrick
401 Kirkpatrick Lane
Gwinn, MI 49941

EAA CHAPTER 850 OFFICERS

President: Ted Kirkpatrick, 906-361-6196 aerokirk@gmail.com

Vice President: Fred Benzie, 906-250-7110 fbenzie@chartermi.net

Treasurer: Fred Joyal, 906-226-6749 fjoyal@nmu.edu

Secretary: Ann Joyal, 906-226-6749 ajoyal@nmu.edu

Newsletter Editor: Will Kroeger, 906-241-9070 wkroeger@alphacomm.net

YE Coordinator: Ted Kirkpatrick

Eagle Coordinator: Fred Benzie

Fly-out Coordinator: Fred Benzie

Technical Counselor: Bill Landry, blandry801@aol.com

Dues are \$20.00 a year From January 1st Please send them to our treasurer!

Website: www.850.eaachapter.org/