

Flight Risk Assessment Tool

Safety Update

The FAA Safety Team Flight Risk Assessment Tool (FAAST FRAT) is a simple automated spreadsheet that runs on MS Windows or Apple operating systems.

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 FRAT enables proactive hazard identification, is easy to use and can visually depict risk.

No risk analysis method can anticipate all the hazards that may impact a particular flight but there are some common hazards that general aviation pilots encounter regularly. The FAASTeam has produced an easy-to-use FRAT that will get you started in effective safety risk management.

**YOU CAN FIND THE FAAST FRAT HERE:
[HTTP://GO.USA.GOV/3PU65](http://go.usa.gov/3PU65)**

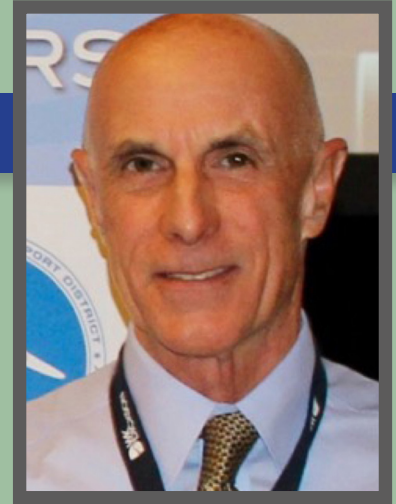
References:

FAA Advisory Circular, AC 120-92A,
 SMS for Aviation Service Providers
<http://www.faa.gov/documentLibrary/media/AdvisoryCircular/AC%20120-92A.pdf>

Risk Management Handbook (FAA-H-8083-2) Chapter 4-2
<http://go.usa.gov/jAJk>

"You Can Take it With You," FAA Safety Briefing,
 July/August 2012, page 4 <http://go.usa.gov/jAuV>

IHST SMS Toolkit, 2nd Edition for more SMS reference material (pages 32-34):
http://www.ihst.org/portals/54/2009_SMS_Toolkit_ed2_Final.pdf



Leo Berube
 SCAA Board of Directors

FAAST FRAT		(Flight Risk Assessment Tool)		
Pilot Name				
Aircraft				
Date				
Departure Airport				
Arrival Airport				
Pilot	Yes	Your Value		
Less than 50 Hours in Aircraft or Avionics Type	<input type="checkbox"/>	0	0	
Less than 15 hours in last 90 days	<input type="checkbox"/>		3	
Flight will occur after work	<input type="checkbox"/>		0	
Less than 8 hours sleep prior to flight	<input type="checkbox"/>		0	
Dual Instruction Received in last 90 days	<input type="checkbox"/>		0	
WINGS Phase Completion in last 6 months	<input type="checkbox"/>		-3	
Instrument Rating current and proficient	<input type="checkbox"/>		0	
Flight Conditions				
Twilight or Night	<input type="checkbox"/>		0	
Surface wind greater than 15 Knots	<input type="checkbox"/>		4	
Cross wind greater than 7 Knots	<input type="checkbox"/>		0	
Mountainous Terrain	<input type="checkbox"/>		0	
Airport				
Non-towered Airport or tower closed at ETD or ETA	<input type="checkbox"/>		5	
Runway length less than 3,000 Feet	<input type="checkbox"/>		0	
Wet or soft field Runway	<input type="checkbox"/>		0	
Obstacles on Approach and/or departure	<input type="checkbox"/>		0	
VFR Flight Plan				
Ceiling less than 3,000 feet AGL	<input type="checkbox"/>		2	
Visibility less than 5 SM	<input type="checkbox"/>		0	
No Weather Reporting at destination	<input type="checkbox"/>		4	
Flight Plan filed and activated	<input type="checkbox"/>		0	
ATC Flight Following used	<input type="checkbox"/>		0	
IFR Flight Plan				
Ceiling less than 1000 feet AGL	<input type="checkbox"/>		0	
Visibility less than 3 SM	<input type="checkbox"/>		0	
No Weather Reporting at destination	<input type="checkbox"/>		0	
Approaches - Instrument Pilots				
Best Available Approach				
Precision Approach	<input type="checkbox"/>		0	
Non precision Approach	<input type="checkbox"/>		0	
No Instrument Approach	<input type="checkbox"/>		0	
Circling Approach	<input type="checkbox"/>		0	
Total Risk Value			15	
Pilot	Experience	Low Risk	Moderate Risk	High Risk
VFR	<100 In Type	5 to 15	15 to 20	> 20
VFR	>100 In Type	15 to 20	20 to 25	>25
IFR	<100 In Type	20 to 25	25 to 30	>30
IFR	>100 In Type	25 to 30	30 to 35	>35
Instructions: Check the Yes box opposite each statement that applies to your flight. Then compare your total risk value to the Risk Matrix Chart.				