

SAFETY MANAGEMENT SYSTEM (SMS) WITH FLIGHT RISK ASSESSMENT TOOL (FRAT)

ALARISPRO[®]
Fleet Management Platform

SAFETY MANAGEMENT SYSTEM (SMS)

A Safety Management System (SMS) is a key component in BVLOS compliance and an enabler for BVLOS operations around the world. AlarisPro stands alone as the only fleet management platform with integrated SMS and FRAT tools:

- Compliant with aviation SMS standards and best practices
- Fully integrated with operations and maintenance documentation
- Supports Safety Performance Indicators (SPIs)

Your Safety Team

CEO: Greg Boyington
Company Safety Officer: Bob Smith
Safety Manager: Allen Wrench, Bob Smith, Glenn Curtis, James Doolittle
Operations Safety Rep: Glenn Curtis, Sandy Gunn
Maintenance Safety Rep: Orville Wright
Safety Division Lead: Joe Skydio Test

Safety Mission Statement
Safety is a priority in all our activities. We are committed to implementing, developing and improving strategies, management systems and processes to ensure that all our aviation activities uphold the highest level of safety performance and meet national and international standards.

Safety Register
2 form entries: 2025-02-14 to 2025-05-14

Date Range: Last Updated
Start: 2025-02-14 (UTC-05:00) End: 2025-05-14 (UTC-05:00) Form: View All Reported By: View All Status: View All Category: View All

Probability: View All Severity: View All Action Assigned: View All ☐ Include Closed Risks

Cancel Generate Report

Actions	ID	Form	Description	Reported By	Date Reported	Owner	Status	Category	Prob	Sev	Classification	Remarks	Last Update	Act/ Assig
	DEMO-2502-0006	Flight Incident Report - V4.16.2	Hard landing in auto. Believe a firmware issue.	Sandy Gunn	2025-02-11 18:52 (UTC+0)	Greg Boyington	Investigation	Technical	5	D	5D [10]		2025-03-10 15:46 (UTC+0)	
	DEMO-2502-0007	Flight Incident Report - V4.16.2	Hard landing in auto mode.	Sandy Gunn	2025-02-19 15:35 (UTC+0)		Investigation	Flight Occurrence	5	B	5B [20]		2025-03-10 15:13 (UTC+0)	

Fully Customizable

- Safety roles and assignment
- Mission statement and diagram
- Unlimited custom safety forms/templates
- Categories and status
- Probability and severity with custom labels
- Risk cube red/yellow/green format

Safety Register to track Occurrences/Hazards/Risks

- Risk classification and scoring
- Assign risk owner and actions
- Automatic and customizable event ID tracking
- Historical record of changes
- Provides for anonymous reporting option
- Risk Matrix with quantity and score

FLIGHT RISK ASSESSMENT TOOL

- Elevated risk threshold approval
 - Assign factors and risk conditions with numeric values
 - Four levels of risk approvals for organization
 - Thresholds and approvals assigned by administrator
 - Automatic email requests to safety leadership for elevated risk approvals

The screenshot displays the 'Add Flight Risk Assessment Tool (FRAT) Form' within the AlarisPro mobile application. The interface includes a navigation bar at the top with options like Dashboard, SMS, Preflight, Flight, Maintenance, Documents, Reports, Manage, and Help. The form itself has a title field and a dropdown for Pilot selection. Below these are two main sections: 'I. Crew Factors' and 'II. Aircraft & Equipment Factors'. Each section contains a table with columns for Risk Factor, Condition, Risk Value, Mitigation Strategy, and Post Mitigation Risk Value. The 'Crew Factors' section includes rows for Pilot Experience, RPIC Mission Experience, Experience with UAS, and Crew Rest. The 'Aircraft & Equipment Factors' section includes rows for Aircraft Readiness and Recent Flight. Each row has a dropdown for the condition and input fields for the risk value and post-mitigation risk value.

Risk Factor	Condition	Risk Value	Mitigation Strategy	Post Mitigation Risk Value
I. Crew Factors				
Pilot Experience	Flight Time last 30 days - 1-4 hrs (Risk Value: 3)	3	Mitigation Strategy	Post Mitigation Risk Value
RPIC Mission Experience	RPIC NOT experienced with mission (Risk Value: 5)	5	Mitigation Strategy	Post Mitigation Risk Value
Experience with UAS	Less than 30 hours in Type/Model UAS (Risk Value: 3)	3	Mitigation Strategy	Post Mitigation Risk Value
Crew Rest	Less than 8 hours (Risk Value: 5)	5	Mitigation Strategy	Post Mitigation Risk Value
II. Aircraft & Equipment Factors				
Aircraft Readiness	Aircraft - Partially mission capable (Risk Value: 6)	6	Mitigation Strategy	Post Mitigation Risk Value
Recent Flight	Has flown in 90 days or more (Risk Value: 6)	6	Mitigation Strategy	Post Mitigation Risk Value

Contact us at Sales@AlariPro.com or schedule a demo at AlarisPro.com/schedule-a-demo



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Your fleet at your fingertips

