35th Annual

FY 2023 DOI Aviation Safety Summary and Annual Report

https://www.doi.gov/aviation/safety

Published by the Office of Aviation Services (OAS)

Partnering for better, faster, cheaper, safer aviation missions.

TABLE OF CONTENTS

INTRODUCTION

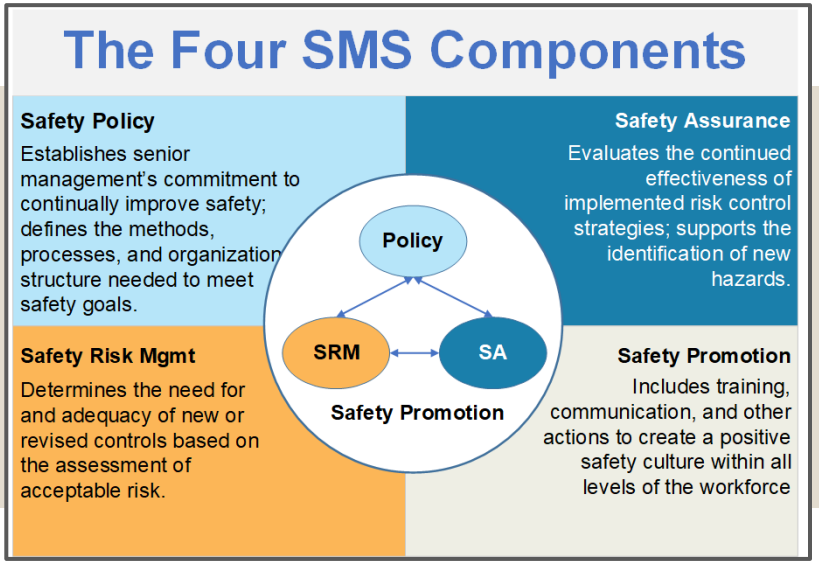
01

OUR PROGRAM

0 – A number that usually fails to inspire; however, when speaking in terms of safety, it is quite significant – especially in the aviation industry, where there is an endless opportunity to experience a mishap. This is the first time in DOI's recorded history that we have achieved a 0 mishap rate! But wait! Before the champagne is popped and the confetti thrown, that achievement requires validation from reporting rates, as you don't know what's really happening if people aren't saying anything. Well, there's good news here as well; SAFECOM reporting rates increased by 37% from FY22 (okay, now you can celebrate)! These accomplishments are to be attributed to all DOI employees, as well as our federal, state, and contracted partners' valiant efforts that enabled us to reach this historical achievement.

Now, the looming (and sobering) question – how can we repeat this? If you look at our history, there's a tendency to "take our pack off" before the trip is finished. In other words, sustaining this level of performance will require the same level of commitment, if not more. In the sporting world, many athletes will attest to this challenge. Complacency can be a killer. The good news is that we have moved our reference point from "acceptable" or "expected" losses to "unacceptable," which is a major shift in our culture.

Take care of each other and continue to strive for excellence. The return on that investment can be measured in many ways, most importantly, in people's lives.



OAS POINTS OF CONTACT

Susie Bates- Director, Office of Aviation Services
(208) 433-5065

Keith Raley - Chief, Aviation Safety, Training, Program Evaluations & Quality Management
(208) 433-5071

Woody Kessler - Training Branch Chief
(208) 433-5090

John Mills - Air Safety Investigator
(208) 433-5072

Noreen Price – Air Safety Investigator
(907) 903-1361

Blaine Moriarty - Aviation Program Evaluation Specialist
(208) 433-5045

Shannon Spies - Aviation Program Evaluation Specialist
(208) 433-5074

Josh Haney – SMS/QMS Program Analyst
(208) 433-5012

Krysta Shultz – Aviation Program Specialist
(208) 433-5070

AVIATION OVERVIEW

02

SAFETY PERFORMANCE

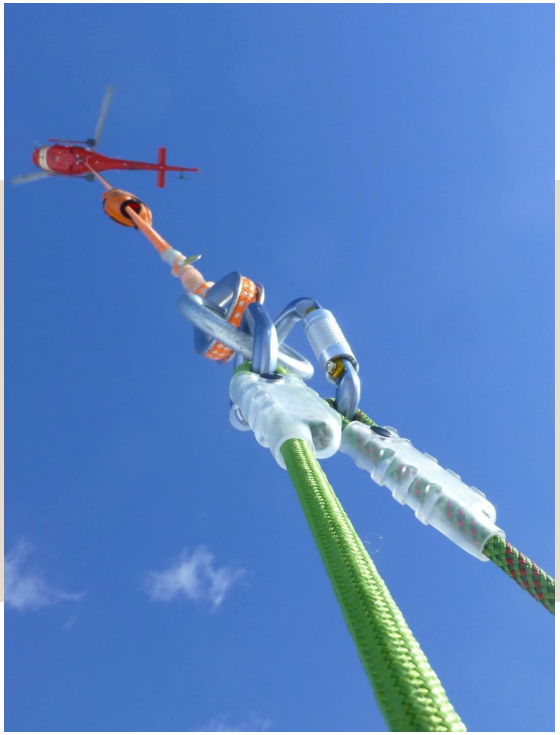
In 1975, the Department of the Interior recorded its first annual aircraft accident rate, as well as its first historical accident rate per 100,000 flight hours. The rate was 18.87 and has become the benchmark used to compare DOI safety performance.

Understanding the definitions of key aviation safety terminology is crucial to being able to interpret aviation safety performance indicators correctly. In this section, we provide accident rates, fleet inventory, and other related bureau statistics. The definitions of crewed and uncrewed aircraft accidents is outlined in the Code of Federal Regulations (CFR). A sound understanding of how these terms are applied is fundamental to managing aviation safety. They are as follows:

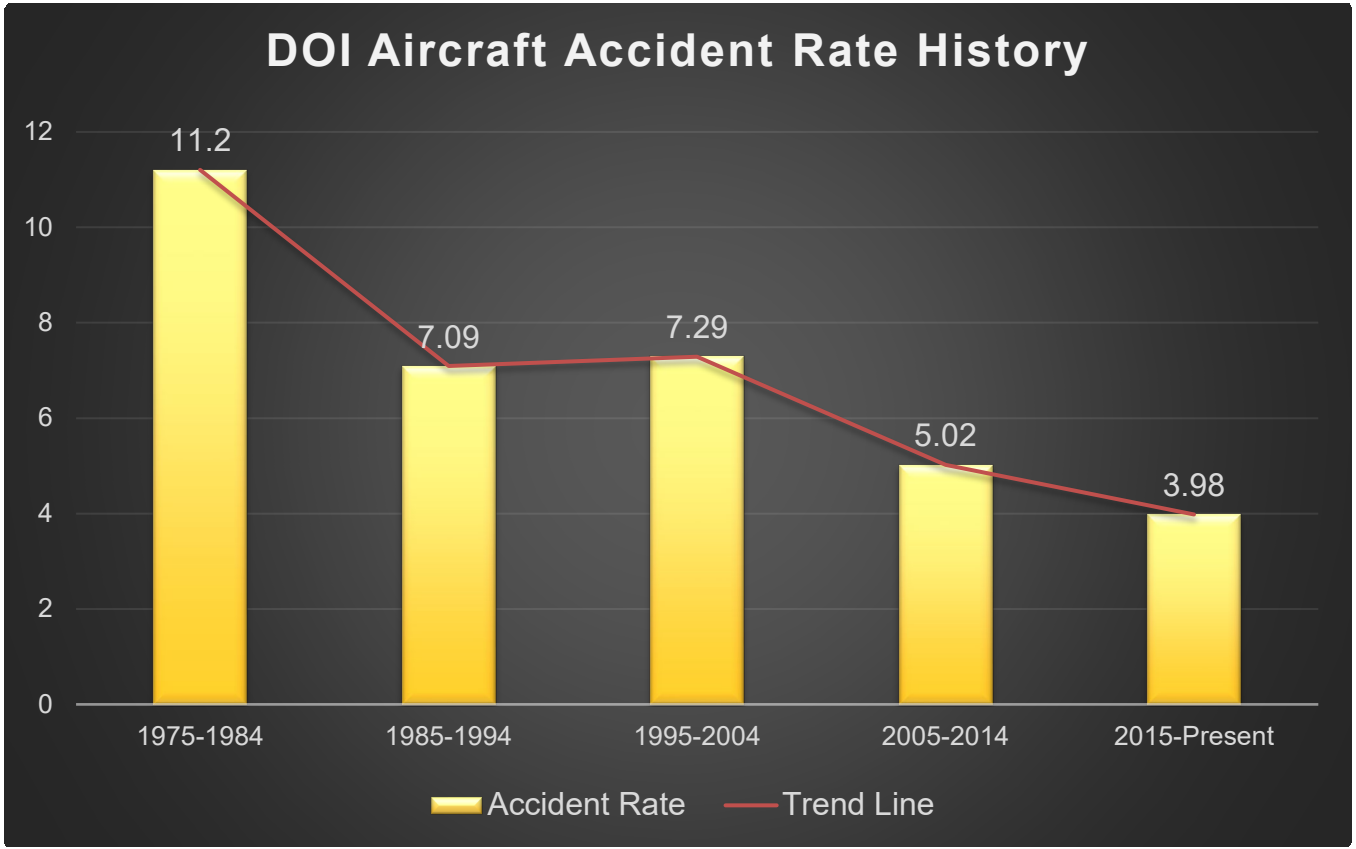
49 CFR 830.2 Definitions. (2024)

- Aircraft accident means an occurrence associated with the operation of an aircraft which takes place between the time any person boards the aircraft with the intention of flight and all such persons have disembarked, and in which any person suffers death or serious injury, or in which the aircraft receives substantial damage.

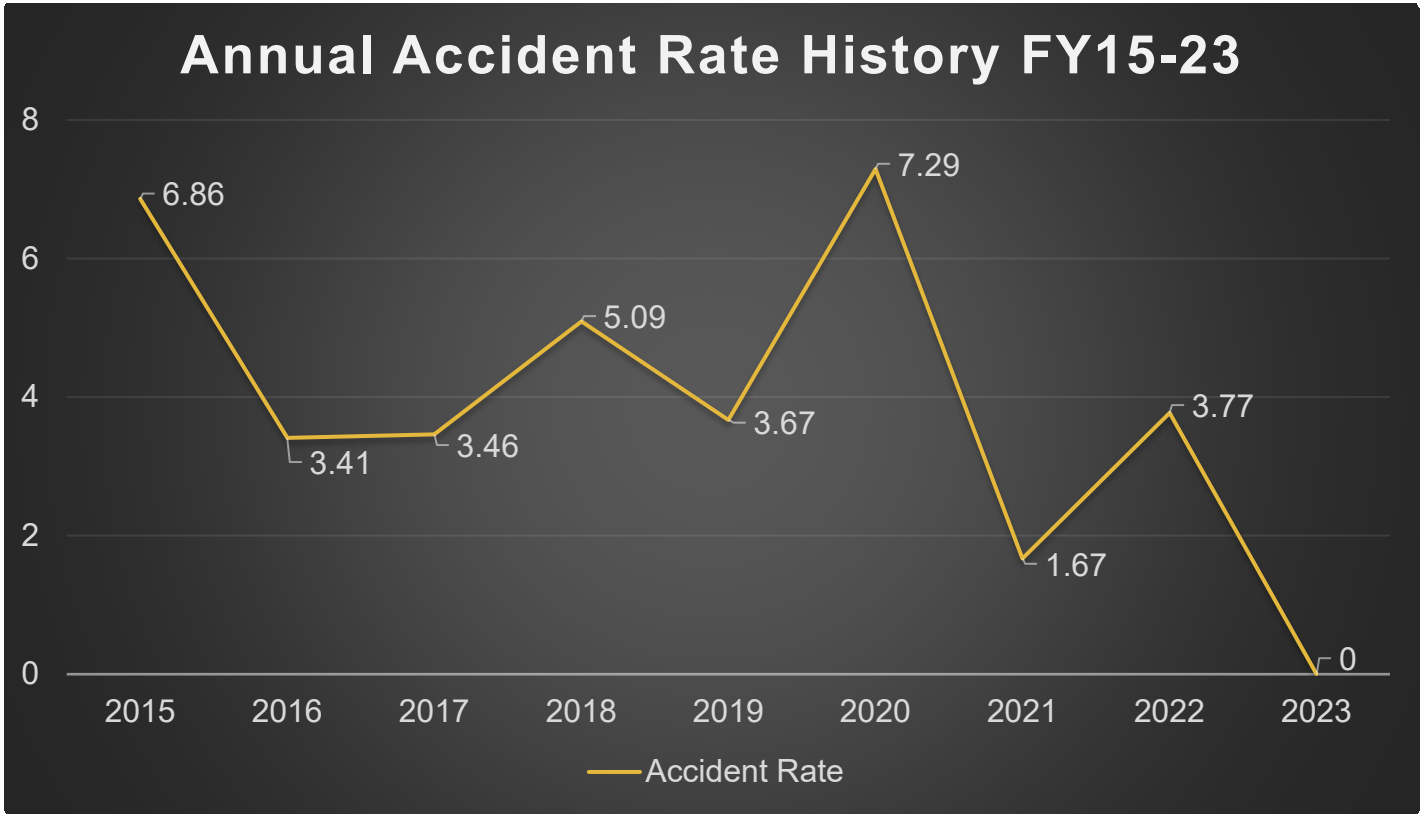
- Unmanned aircraft accident means an occurrence associated with the operation of any public or civil unmanned aircraft system that takes place between the time that the system is activated with the purpose of flight and the time that the system is deactivated at the conclusion of its mission, in which: (1) Any person suffers death or serious injury; or (2) The aircraft holds an airworthiness certificate and sustains substantial damage.



AIRCRAFT ACCIDENT RATE HISTORY



AIRCRAFT ACCIDENT RATE HISTORY



FY23 CREWED AIRCRAFT ACCIDENT RATE

Crewed Aircraft

0
Accidents

0
Incident with Potential

Crewed Mishaps = Accidents + IWPs

0
Mishaps

DOI Total Flight Hours

Procurement Type	Hours	Percent of Hours Flown
Fleet	12,781	27%
Non-Fleet	34,159	73%
Total Flight Hours	**46,940**	

Approximately 12% decrease in total hours from FY22.

In FY 2023, the Department of the Interior achieved a significant historical milestone without any reported mishaps, underscoring everyone's dedication to proactively prioritizing safety and implementing effective risk management across many diverse missions. The absence of mishaps highlights the Department's ongoing commitment to maintaining a high standard of operational diligence.

AIRCRAFT ACCIDENT RATE COMPARISON

5-year Data Summary

Crewed Mishap Rate

6.32

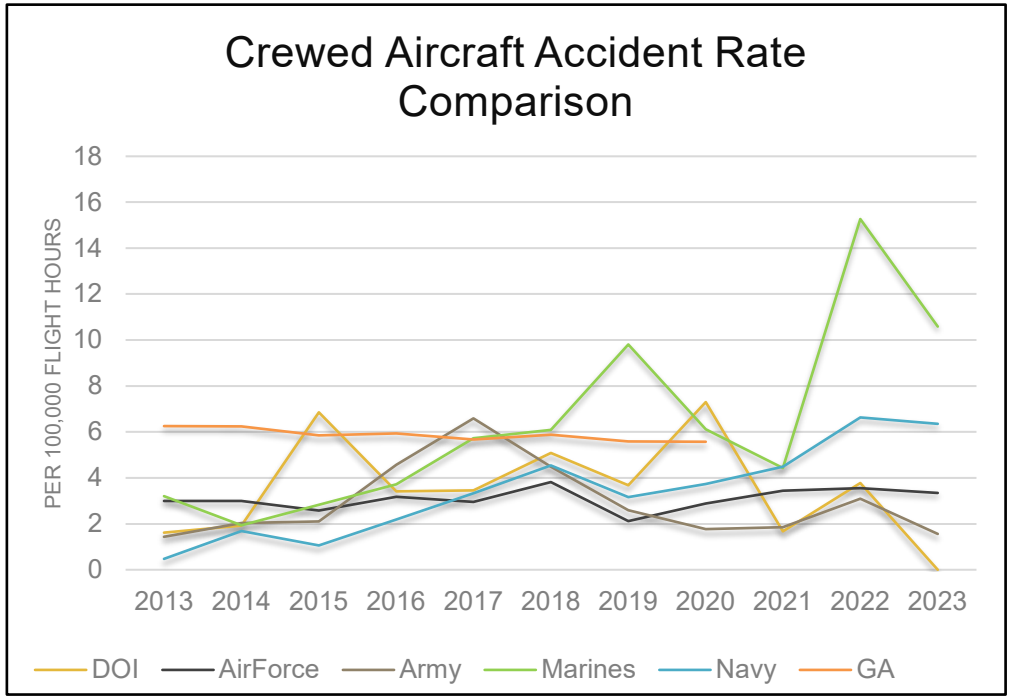
Total Mishaps

17

Total Hours

268,914

Crewed Mishaps = Accidents + IWPs

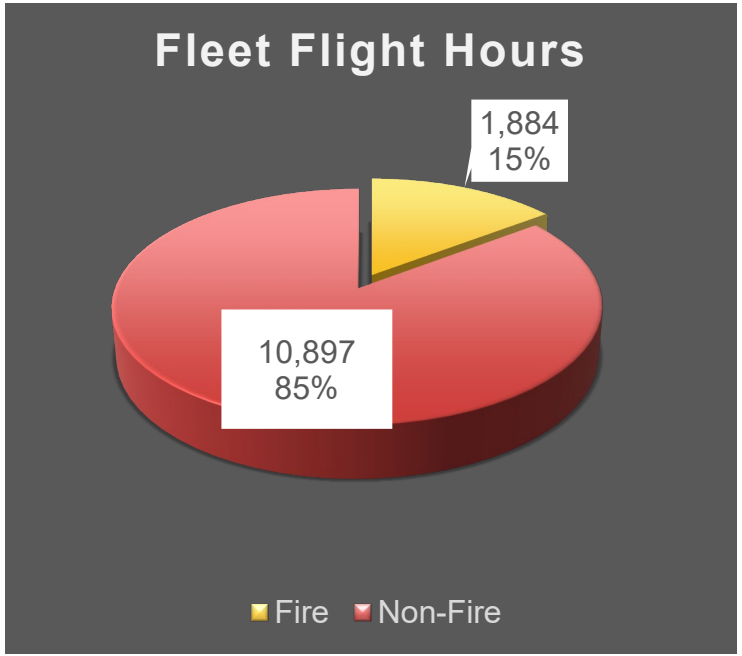


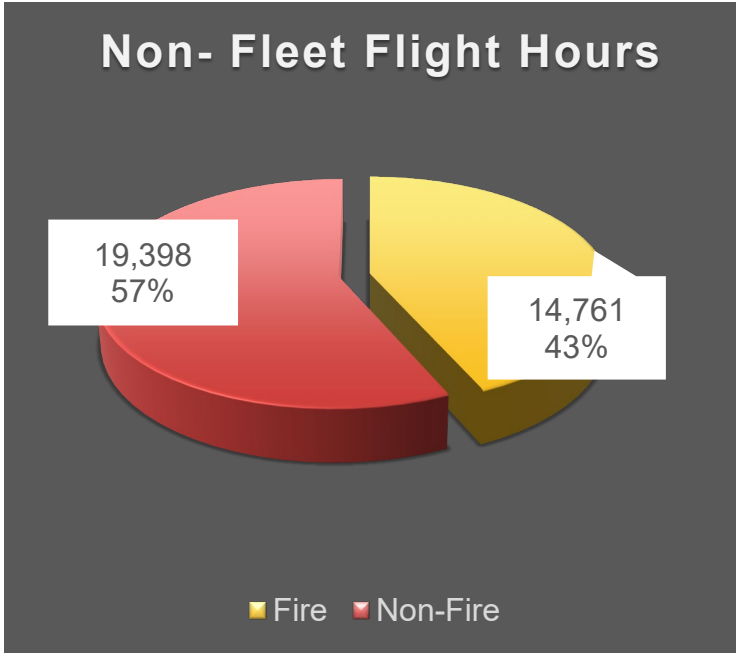
ANNUAL FLIGHT USAGE STATISTICS – Fleet and Non-Fleet Crewed Aircraft

Procurement Type	Flight Hours	FY22 Percent Difference	Flight Usage Cost	FY22 Percent Difference	Cost per Flight Hour
Fleet					
Fixed-wing	11,482	+5%	$4,299,784	+3%	$374
Rotor wing	1,298	+11%	$2,520,125	-2%	$1,942
Total	**12,781**	**+5%**	**$6,819,909**	**+1%**	**$534**
Non-Fleet					
Fixed-wing	15,141	-23%	$35,791,630	-22%	$2,364
Rotor wing	19,018	-10%	$30,612,784	-7%	$1,610
Total	**34,159**	**-17%**	**$66,404,414**	**-16%**	**$1,944**
Grand Total	**46,940**	**-12%**	**$73,224,323**	**-14%**	**$1,560**

ANNUAL FLIGHT USAGE STATISTICS

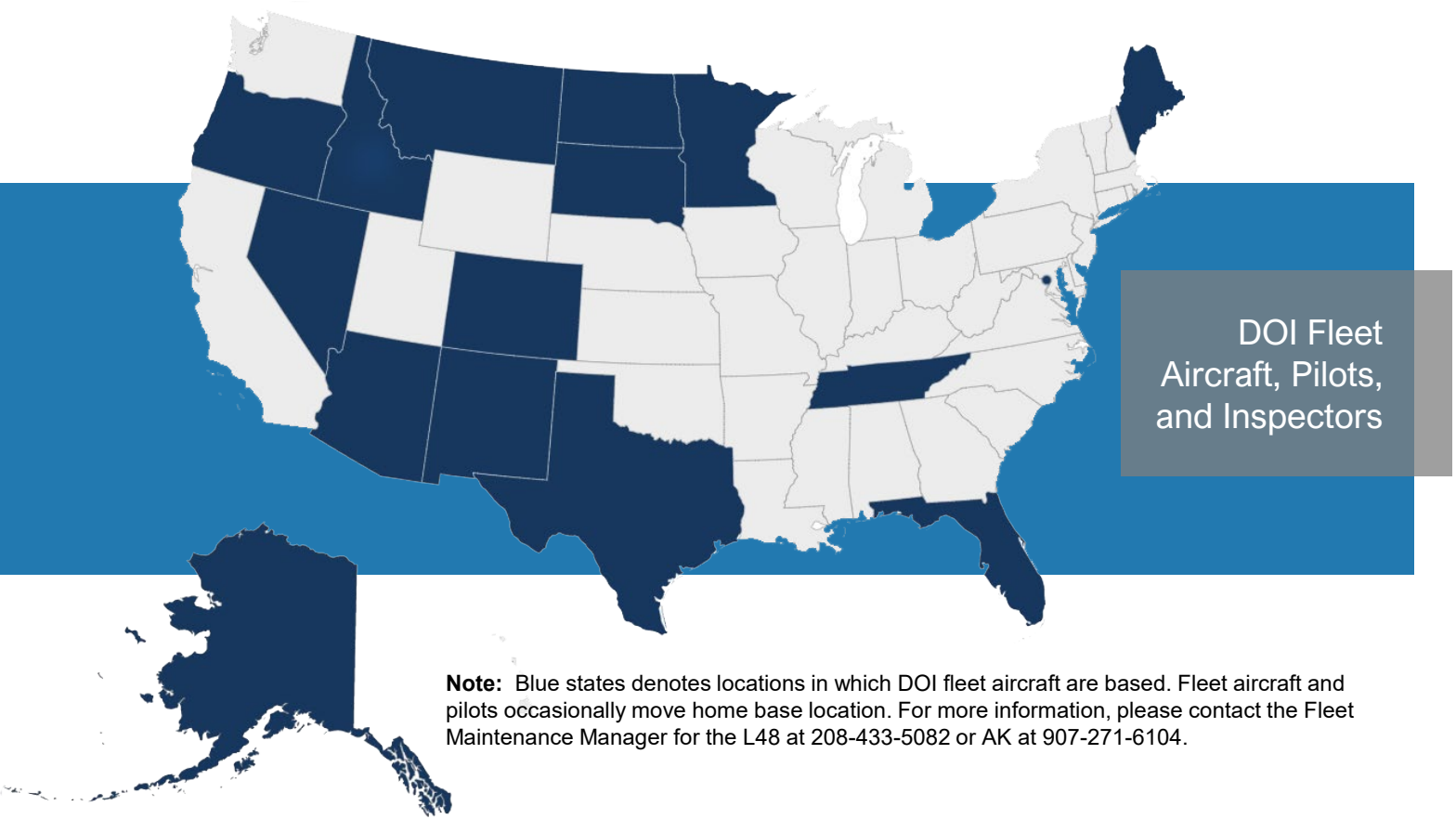
ANNUAL FLIGHT USAGE STATISTICS – Fire and Non-Fire Missions





ANNUAL FLIGHT USAGE STATISTICS

OUR LOCATIONS



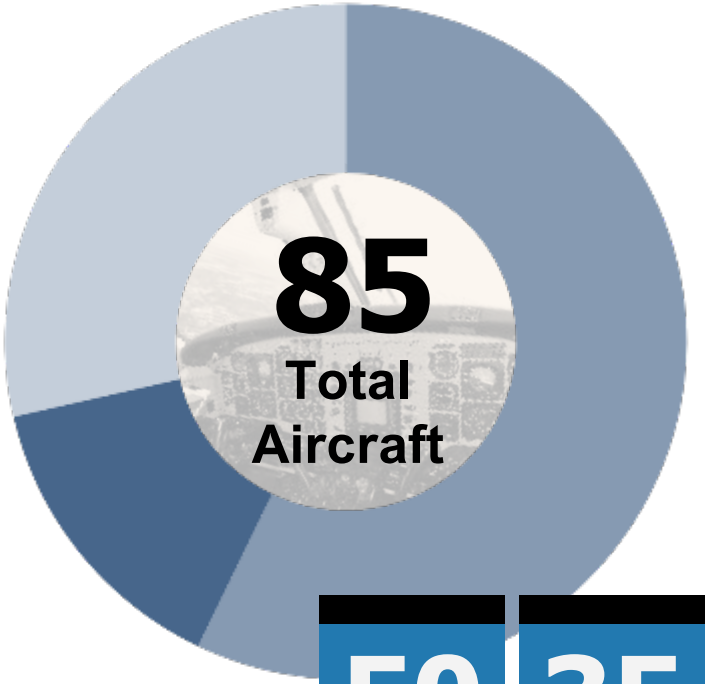
DOI Fleet Aircraft, Pilots, and Inspectors

Note: Blue states denotes locations in which DOI fleet aircraft are based. Fleet aircraft and pilots occasionally move home base location. For more information, please contact the Fleet Maintenance Manager for the L48 at 208-433-5082 or AK at 907-271-6104.

FLEET INVENTORY

Aircraft Type	#
Airbus AS350 B2	1
Airbus AS350 B3	1
Beechcraft B200 King Air	2
Beaver DHC2	2
Bell 206B-III	1
Bell 206L-III	2
Bell 412EP	2
Cessna 182T	2
Cessna 185F	10

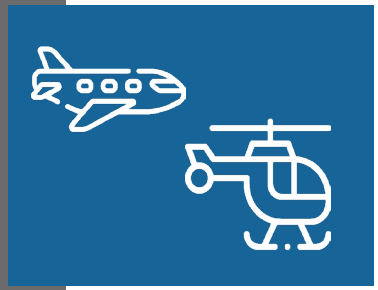
Aircraft Type	#
Cessna C-206	23
CubCrafters CC-18	21
DeHavilland DHC-6 Twin Otter	1
Found FBA-2C1	5
Found FBA-2C2	1
Partenavia P68	1
Pilatus PC 12/45	1
Piper PA-18	1
Quest Kodiak 100	8



50 Alaska

35 Lower 48

FLEET DATA



Aircraft by Bureau

	BLM	FWS	NPS	OAS	Total
Fixed Wing	7	46	23	2	**78**
Rotor Wing	---	2	4	1	**7**
Total	**7**	**48**	**27**	**3**	**85**

Aircraft by OAS Region

	Alaska	Western	Eastern	Total
Fixed Wing	50	15	13	**78**
Rotor Wing	---	---	7	**7**
Total	**50**	**16**	**19**	**85**

PILOT DATA

Pilots by Bureau

	BLM	FWS	NPS	OAS	USFS	Total
Fixed-wing	10	34	19	5	1	**68**
Rotor wing	---	---	7	4	---	**11**
Dual (FW/RW)	---	---	---	2	---	**3**
Total	**10**	**34**	**26**	**11**	**1**	**82**

Pilots by OAS Region

	Alaska	Western	Eastern	HQ	Total
Fixed-wing	40	16	10	2	**68**
Rotor wing	1	2	7	1	**11**
Dual (FW/RW)	---	1	2	---	**3**
Total	**41**	**19**	**19**	**3**	**82**

PILOT INVENTORY

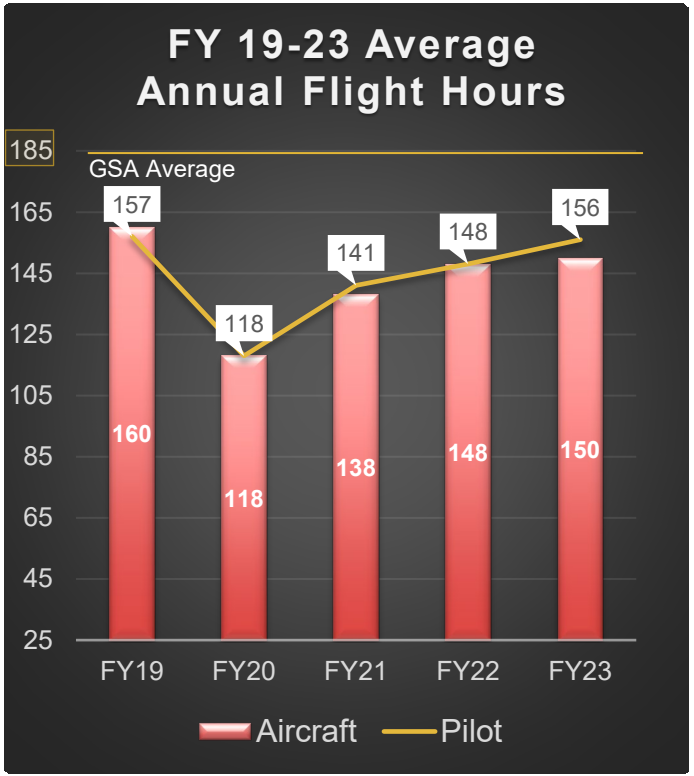
Number of Pilots

68
Fixed-wing

11
Rotor wing

3
Dual (FW/RW)

82
Total



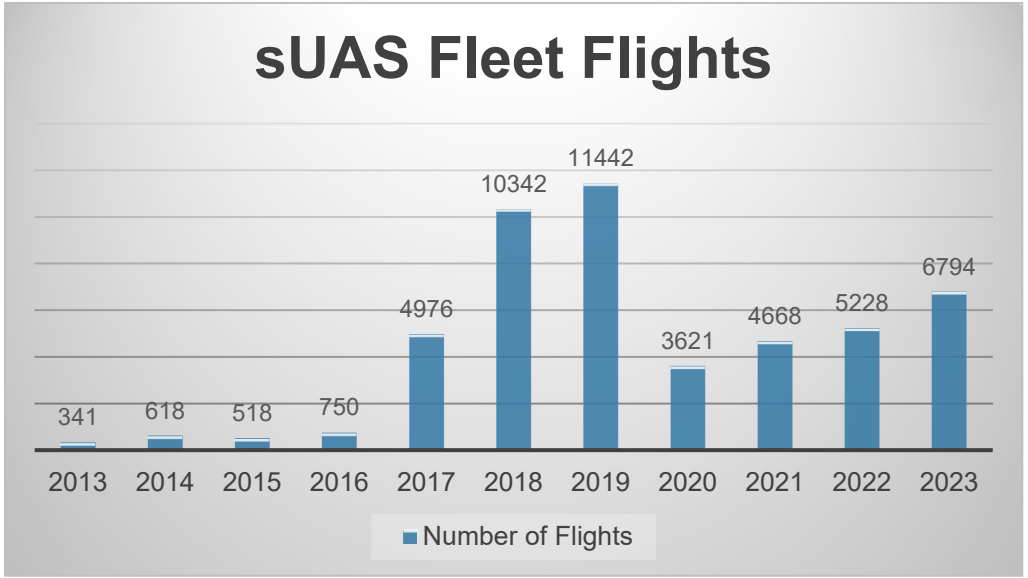
Fleet pilot and fleet aircraft averages were 5% and 2% above FY22, respectively.

FLEET UNCREWED AIRCRAFT SYSTEMS (sUAS)

By the Numbers

510
sUAS Fleet Pilots

645
sUAS Fleet Aircraft



6,794
Total Flights

FY23 UNCREWED AIRCRAFT ACCIDENT RATE

Uncrewed Aircraft

0 Accidents

0 Incidents with Potential

0 Aircraft Lost

0 Mishaps

Procurement Type	Flight Count	Percentage of Flights
Fleet	6,794	98%
Non-Fleet	9	2%
Total Flight Count	**6,803**	

Approximately 30% increase in total flight count from FY22.

0 FY23 sUAS Mishap Rate

sUAS ACCIDENT RATE COMPARISON

5-year Data Summary

sUAS Mishap Rate

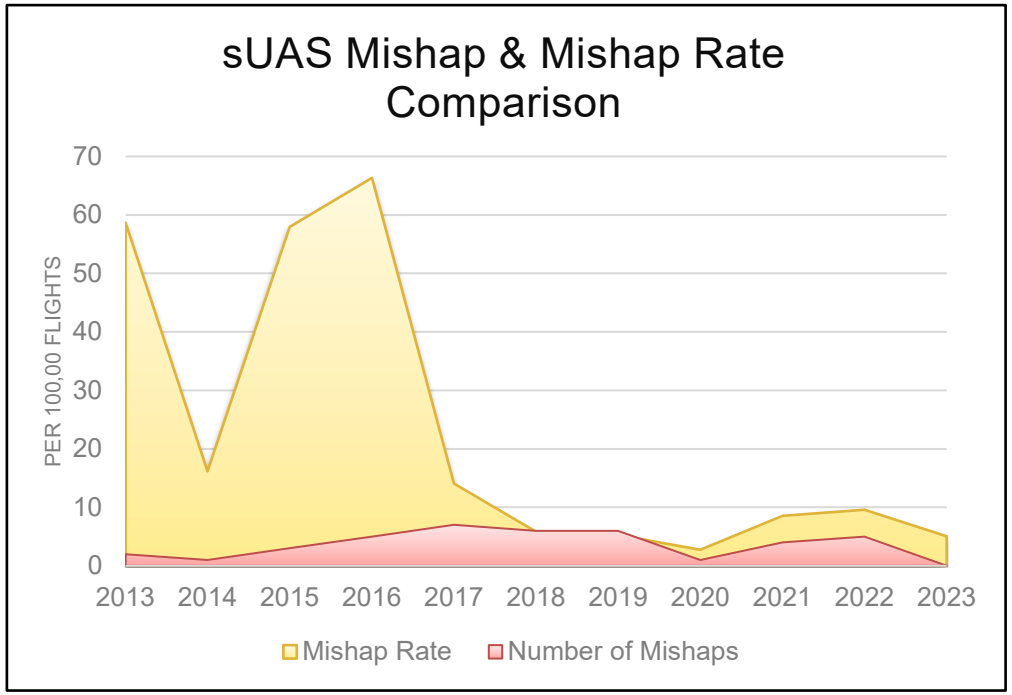
5.04

Total Mishaps

16

Total Flights

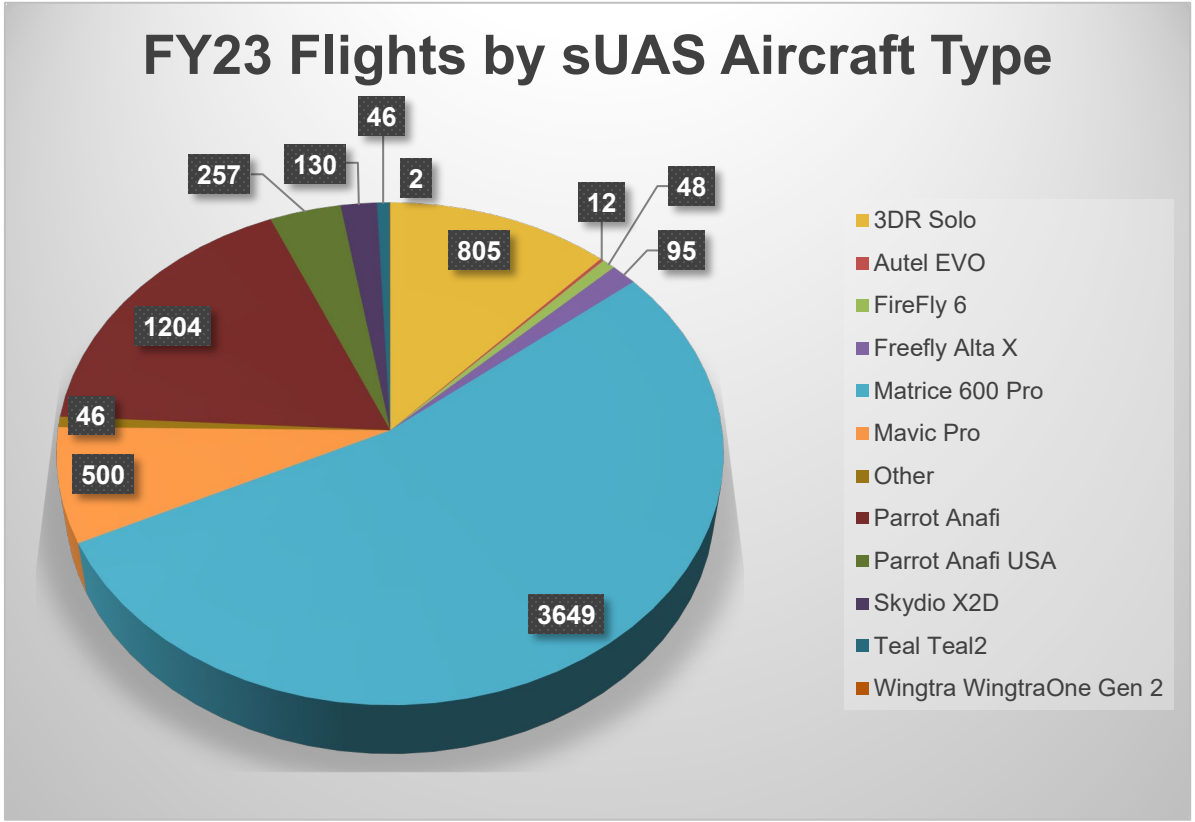
31,765



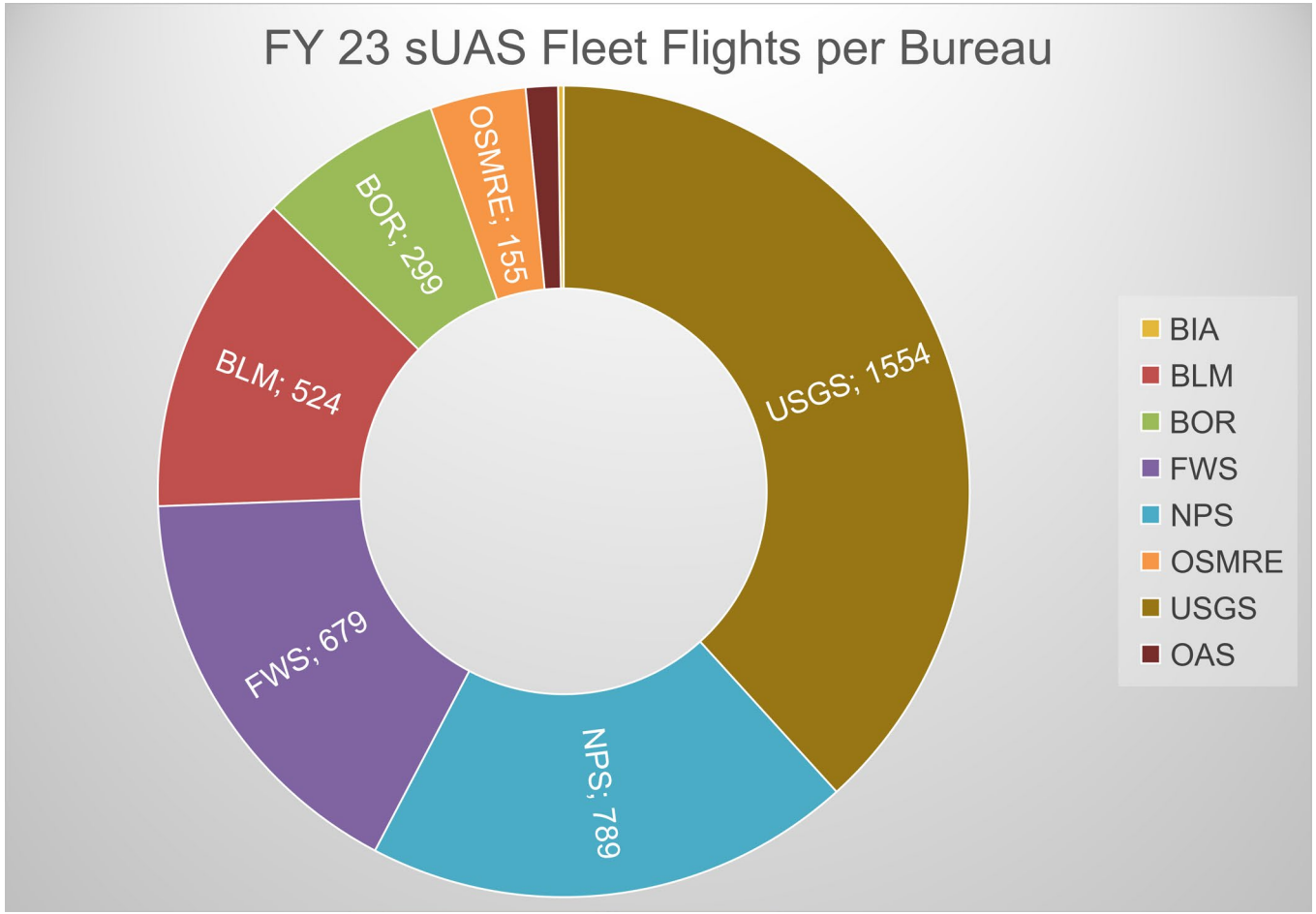
sUAS Mishaps = Accidents + IWPs + Aircraft Losses

SUAS FLEET INVENTORY

Aircraft Type	#
Anafi	134
Anafi Govt Edition	9
Anafi Thermal	29
Apprentice S 15E	2
EVO	4
FireFLY6 PRO	17
Gen II	8
Golden Eagle 2	13
H10	1
Loki	2
Matrice 600 Pro	75
Mavic Duel	2
Mavic Pro	79
Prism Lite	1
Prism Sky	1
R1	1
Site Scan	22
Solo	239
Vesper	3
X2	3
Grand Total	**645**



FY22 sUAS FLEET ACTIVITY



FY23 Bureau Overview

High level analysis of aviation safety and performance statistics that have been extracted from various databases.

Bureau of Indian Affairs

Crewed Aircraft	Annual Flight Hours	Annual Flight Usage Cost	Cost per Flight Hour
Non-Fleet	1,419	$3,895,253	$2,745
Fleet	---	---	---

0 Fleet Missions

877 Non-Fleet Missions

FY23 BUREAU OVERVIEW

SAFECOM
Aviation Safety Communiqué

Total Reported	18
Remaining Open	6
Completion Rate	67%

Top 3 Categories: Hazards, Maintenance, and Incident.

Submission Breakdown: 0% sUAS 100% Crewed

Reporting Rates*

**Percent difference FY22 to FY23*

-7% Crewed

Unchanged sUAS

Fleet Statistics	#
Crewed Aircraft	0
Pilots	0
Uncrewed Aircraft	9
sUAS Pilots	16

9 sUAS Flights

Top Categories: Aerial Ignition and Training & Proficiency.

Aircraft Used: Matrice 600 Pro, Mavic Pro

Bureau of Land Management

Crewed Aircraft	Annual Flight Hours	Annual Flight Usage Cost	Cost per Flight Hour
Non-Fleet	15,528	$36,341,144	$2,340
Fleet	1,114	$1,127,709	$1,013

494 Fleet Missions

6,125 Non-Fleet Missions

FY23 BUREAU OVERVIEW

SAFECOM
Aviation Safety Communiqué

Total Reported	72
Remaining Open	9
Completion Rate	89%

Top 3 Categories: Hazards, Maintenance, and Incident.

Submission Breakdown: 9% sUAS 91% Crewed

Reporting Rates*

**Percent difference FY22 to FY23*

+60% Crewed

+32% sUAS

Fleet Statistics	#
Crewed Aircraft	7
Pilots	10
Uncrewed Aircraft	98
sUAS Pilots	121

524 sUAS Flights

Top Categories: Training & Proficiency, Aerial Ignition, and Mapping.

Aircraft Used: Matrice 600 Pro, Mavic Pro, Parrot Anafi.

Bureau of Ocean Energy Management

FY23 BUREAU OVERVIEW

Crewed Aircraft	Annual Flight Hours	Annual Flight Usage Cost	Cost per Flight Hour
Non-Fleet	---	---	---
Fleet	90	$90,423	$1,005

34 Fleet Missions

0 Non-Fleet Missions

SAFECOM
Aviation Safety Communiqué

Top 3 Categories:
N/A.

Submission Breakdown:
0% sUAS
0% Crewed

Total Reported	0
Remaining Open	0
Completion Rate	N/A

Reporting Rates*

**Percent difference FY22 to FY23*

Unchanged Crewed

Unchanged sUAS

Fleet Statistics	#
Crewed Aircraft	0
Pilots	0
Uncrewed Aircraft	0
sUAS Pilots	0

0 sUAS Flights

Top Categories: N/A

Aircraft Used: N/A

Bureau of Reclamation

FY23 BUREAU OVERVIEW

Crewed Aircraft	Annual Flight Hours	Annual Flight Usage Cost	Cost per Flight Hour
Non-Fleet	50	$73,181	$1,458
Fleet	---	---	---

0 Fleet Missions

29 Non-Fleet Missions

SAFECOM Aviation Safety Communiqué

Top 3 Categories: Maintenance, UAS, and Incident.

Submission Breakdown: 100% sUAS 0% Crewed

Total Reported	4
Remaining Open	0
Completion Rate	100%

Reporting Rates*

**Percent difference FY22 to FY23*

Unchanged Crewed

+100% sUAS

Fleet Statistics	#
Crewed Aircraft	0
Pilots	0
Uncrewed Aircraft	50
sUAS Pilots	37

299 sUAS Flights

Top Categories: Training & Proficiency, Mapping, and Monitoring/Inspection.

Aircraft Used: 3DR Solo, Parrot Anafi, Skydio x2D.

Bureau of Safety & Environmental Enforcement

FY23 BUREAU OVERVIEW

Crewed Aircraft	Annual Flight Hours	Annual Flight Usage Cost	Cost per Flight Hour
Non-Fleet	5,368	$7,530,018	$1,403
Fleet	---	---	---

0 Fleet Missions

424 Non-Fleet Missions

SAFECOM Aviation Safety Communiqué

Top 3 Categories: Hazards, Maintenance, and Incident.

Submission Breakdown: 0% sUAS 100% Crewed

Total Reported	211
Remaining Open	0
Completion Rate	100%

Reporting Rates*

**Percent difference FY22 to FY23*

+47% Crewed

Unchanged sUAS

Fleet Statistics	#
Crewed Aircraft	0
Pilots	0
Uncrewed Aircraft	0
sUAS Pilots	0

0 sUAS Flights

Top Categories: N/A

Aircraft Used: N/A

U.S. Fish and Wildlife Service

FY23 BUREAU OVERVIEW

Crewed Aircraft	Annual Flight Hours	Annual Flight Usage Cost	Cost per Flight Hour
Non-Fleet	1,047	$1,012,401	$967
Fleet	6,868	$2,339,575	$341

1,983 Fleet Missions

320 Non-Fleet Missions

SAFECOM
Aviation Safety Communiqué

Total Reported	15
Remaining Open	0
Completion Rate	100%

Top 3 Categories: Maintenance, Incident, and UAS.

Submission Breakdown: 40% sUAS 60% Crewed

Reporting Rates*

**Percent difference FY22 to FY23*

-23% Crewed

+100% sUAS

Fleet Statistics	#
Crewed Aircraft	48
Pilots	34
Uncrewed Aircraft	140
sUAS Pilots	93

679 sUAS Flights

Top Categories: Training & Proficiency, Aerial Ignition, and Monitoring/Inspection.

Aircraft Used: Matrice 600 Pro, Mavic Pro, Parrot Anafi.

National Park Service

Crewed Aircraft	Annual Flight Hours	Annual Flight Usage Cost	Cost per Flight Hour
Non-Fleet	5,476	$7,897,905	$1,442
Fleet	3,765	$2,027,116	$538

1,679 Fleet Missions

3,079 Non-Fleet Missions

FY23 BUREAU OVERVIEW

SAFECOM
Aviation Safety Communiqué

Top 3 Categories: Hazards, Maintenance, and Management.

Submission Breakdown: 16% sUAS 84% Crewed

Total Reported	57
Remaining Open	0
Completion Rate	100%

Reporting Rates*

**Percent difference FY2 to FY23*

+25% Crewed

+2% sUAS

Fleet Statistics	#
Crewed Aircraft	27
Pilots	26
Uncrewed Aircraft	67
sUAS Pilots	77

789 sUAS Flights

Top Categories: Aerial Ignition, Monitoring/Inspection, and Training & Proficiency.

Aircraft Used: Matrice 600 Pro, Parrot Anafi, Mavic Pro.

Office of Surface Mining Reclamation & Enforcement

FY23 BUREAU OVERVIEW

Crewed Aircraft	Annual Flight Hours	Annual Flight Usage Cost	Cost per Flight Hour
Non-Fleet	0	$0	$0
Fleet	---	---	---

0 Fleet Missions

0 Non-Fleet Missions

SAFECOM
Aviation Safety Communiqué

Top 3 Categories:
N/A

Submission Breakdown:
0% sUAS
0% Crewed

Total Reported	0
Remaining Open	0
Completion Rate	0%

Reporting Rates*

**Percent difference FY22 to FY23*

Unchanged Crewed

-100% sUAS

Fleet Statistics	#
Crewed Aircraft	0
Pilots	0
Uncrewed Aircraft	35
sUAS Pilots	22

155 sUAS Flights

Top Categories: Training & Proficiency, Aerial Ignition, and Monitoring/Inspection.

Aircraft Used: 3DR Solo, Parrot Anafi, Mavic Pro.

U.S. Geological Survey

USGS science for a changing world

FY23 BUREAU OVERVIEW

Crewed Aircraft	Annual Flight Hours	Annual Flight Usage Cost	Cost per Flight Hour
NonFleet	1,382	$1,581,743	$1,145
Fleet	62	$29,128	$468

10 Fleet Missions

583 Non-Fleet Missions

SAFECOM Aviation Safety Communiqué

Top 3 Categories: Incident, UAS, and Hazard.

Submission Breakdown: 70% sUAS 30% Crewed

Total Reported	10
Remaining Open	0
Completion Rate	100%

Reporting Rates*

**Percent difference FY22 to FY23*

+117% Crewed

-35% sUAS

Fleet Statistics	#
Crewed Aircraft	0
Pilots	0
Uncrewed Aircraft	208
sUAS Pilots	129

1554 sUAS Flights

Top Categories: Training & Proficiency, Mapping, and Research/Testing.

Aircraft Used: 3DR Solo, Matrice 600 Pro, Mavic Pro.

Office of Aviation Services

Crewed Aircraft	Annual Flight Hours	Annual Flight Usage Cost	Cost per Flight Hour
Non-Fleet	48	$59,612	$1,238
Fleet	425	$201,081	$474

386 Fleet Missions

30 Non-Fleet Missions

FY23 BUREAU OVERVIEW

SAFECOM
Aviation Safety Communiqué

Top 3 Categories: Maintenance, Hazard, and Management.

Submission Breakdown: 20% sUAS 80% Crewed

Total Reported	5
Remaining Open	0
Completion Rate	100%

Reporting Rates*

**Percent difference FY22 to FY23*

-4% Crewed

-65% sUAS

Fleet Statistics	#
Crewed Aircraft	3
Pilots	11
Uncrewed Aircraft	38
sUAS Pilots	12

52 sUAS Flights

Top Categories: Mapping, Monitoring/Inspection, and Training & Proficiency.

Aircraft Used: Matrice 600 Pro, Parrot Anafi, and Teal2.

POLICY & ASSURANCE

03

GENERAL OVERVIEW

Performance	Quantity
Commercial Aircraft Inspections	607
Commercial Pilot Evaluations	1,410
Cooperator Approvals	73
Elevated SAFECOMs Completed	6
Fuel Service Vehicle Inspections	276
Fleet Aircraft Inspections	77
Fleet Pilot Evaluations	312
Interagency Safety Communications Issued	16

PERFORMANCE

Performance	Quantity
Operational Procedures Memoranda (OPM) Revisions	6
Program Evaluations Completed	7
sUAS CWN Aircraft & Pilot Inspections Completed	18
sUAS Operator Inspections Completed	386
Point to Point Inspections	180
Student Hours of IAT Training Completed	188,120
Technical Specifications for Procurement Reviewed*	65

*Includes Solicitation Reviews

TRAINING BRANCH UPDATE

At-A-Glance

39,146
Online Courses Completed

10,477
Classroom Courses Completed

4,665
Webinars Completed

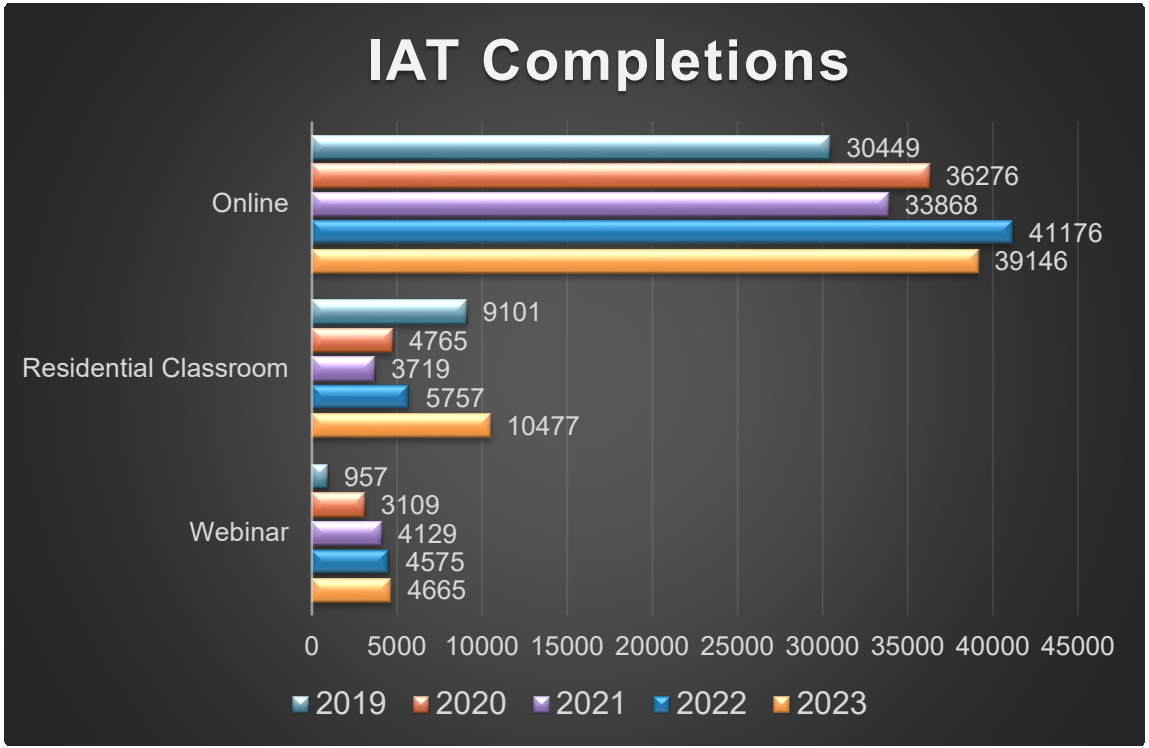
* Includes RTs and Workshops

54,288
Total Courses Completed

https://www.iat.gov

In FY23, the OAS Training Branch was back in full swing, delivering a full slate of webinar courses as well as in-person trainings. The success of webinar deliveries during FY21 and 22, combined with the demand for in-person training delivery, resulted in an all-time record of student completions in the IAT system. We continued to revise IAT courses and make updates to instructor and student materials throughout the year. We were able to hold two well-attended and successful ACE events in Anchorage, AK, and Reno, NV. The OAS Training Branch was also able to successfully sign off multiple instructors, providing additional trainers to assist in the delivery of aviation safety training. We also kicked off a new project to evaluate the aviation positions found in the IAT Guide and evaluate the training courses assigned to each position. The end result will provide a position description as well as identifying the duties and responsibilities associated with the positions.

TRAINING BRANCH UPDATE

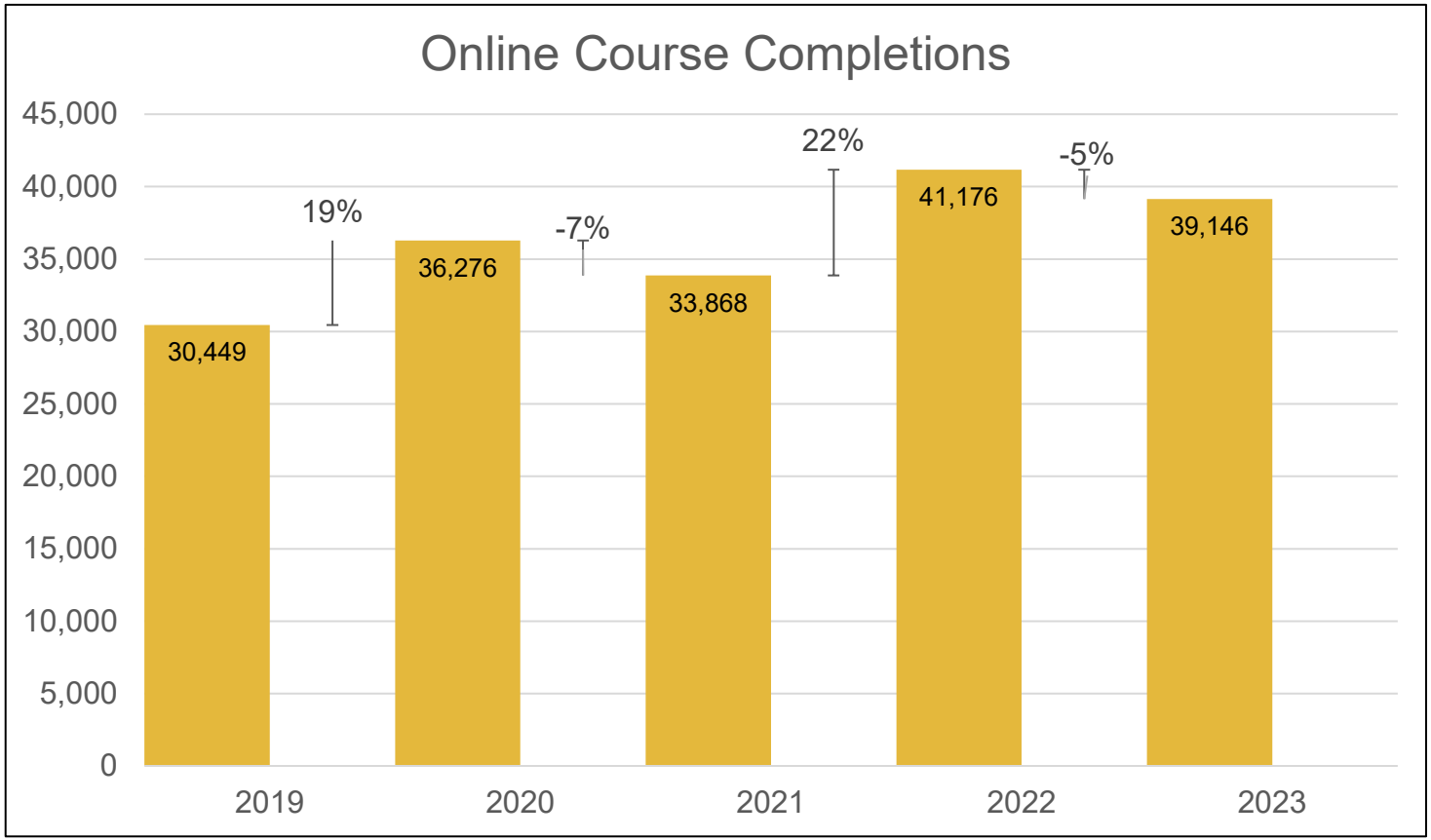


Revised Courses

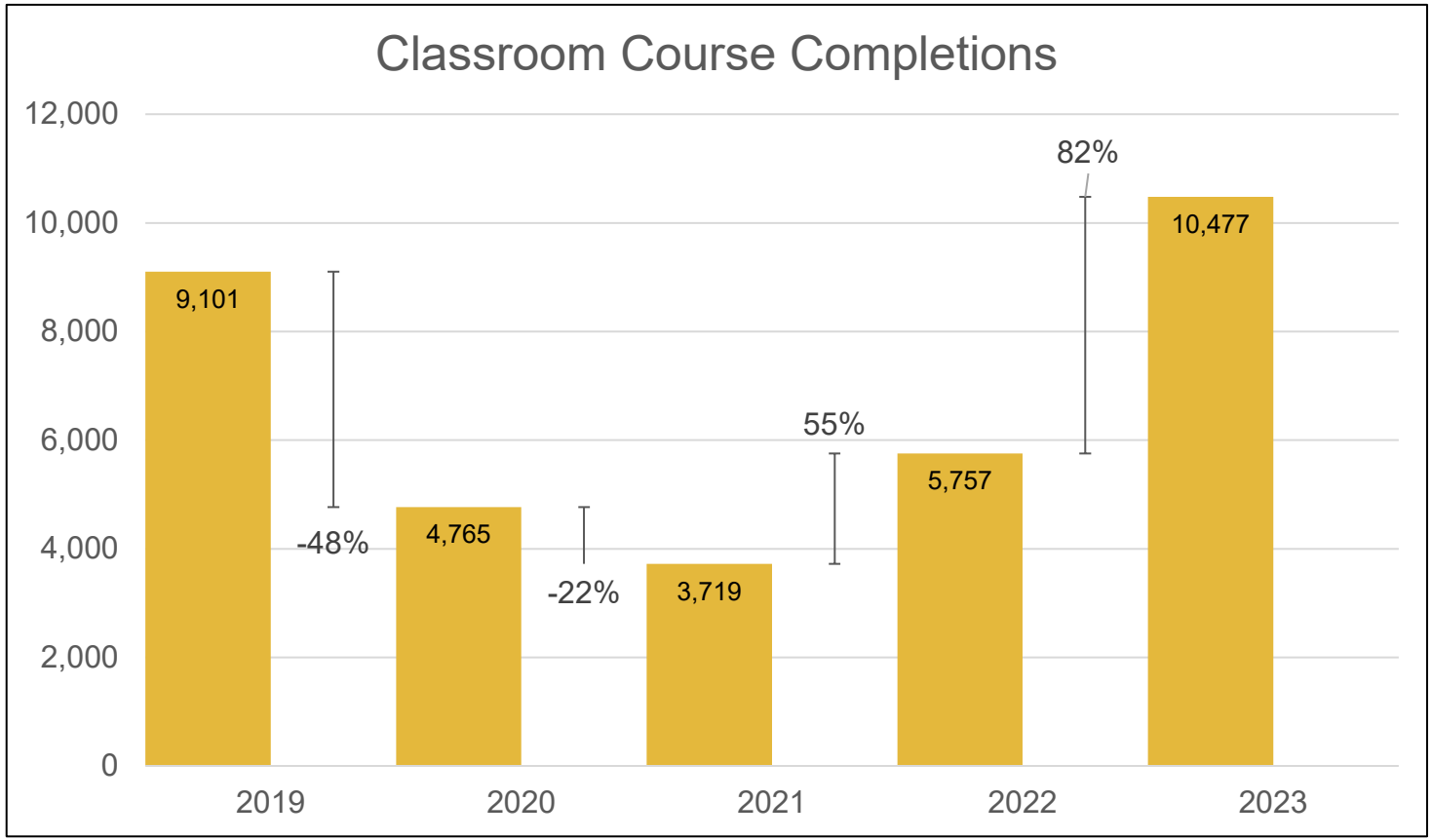
A-112, Aviation Project & Mission Planning
and
A-202, Interagency Aviation Organizations

54,288 FY 23 Course Completions

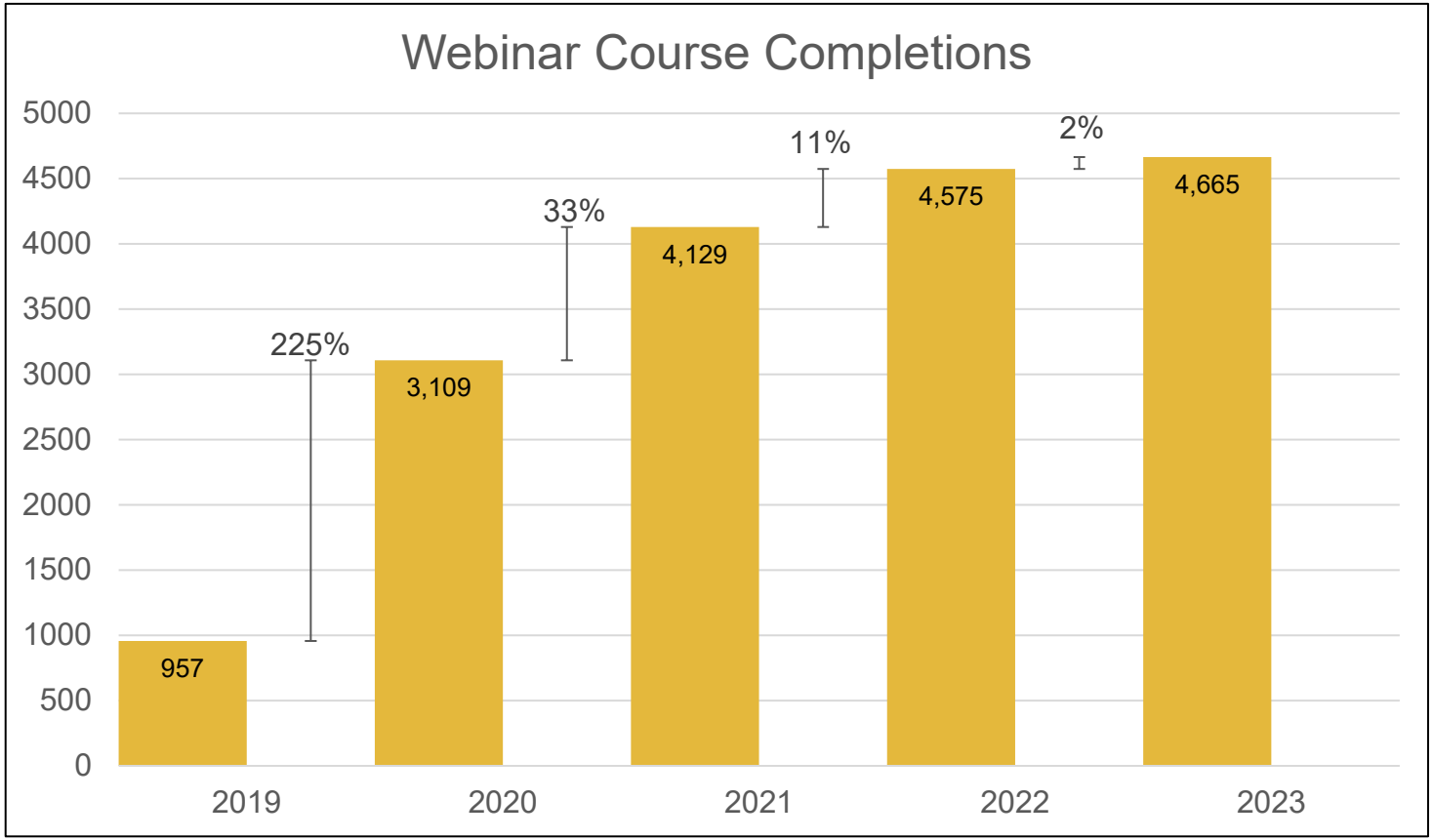
TRAINING BRANCH UPDATE



TRAINING BRANCH UPDATE



TRAINING BRANCH UPDATE



AVIATION PROGRAM EVALUATION

Aviation program evaluations are an essential means of providing feedback related to the operations, process, and outcomes of aviation programs with a focus on program enhancement. This quality assurance system assesses aviation safety, ensures efficiency, and provides a means for sharing best practices.

Top 5 Findings for FY19-23
ALSE Inspection and Tracking Inadequate
Management Plans Out of Date
Mishap Response Plan – Not Tested
Multiple Positions/Levels of Non-Compliance w/Training Requirements
PASP – Not Completed Correctly

AVIATION PROGRAM EVALUATION

Top 5 Best Practices for FY19-23

1) Utilization of tiered management plans as a means of ensuring National, Regional/State, and Unit Aviation Management Plans are aligned, while reducing repetition within multiple documents.
2) ALSE inspection and tracking program in place, facilitating consistent compliance with ALSE Handbook requirements.
3) M-3 training included in consolidated management meetings to ensure Line Managers and Supervisors meet OPM-04 requirements.
4) Aviation Mishap Response Plan exercised annually to prepare personnel and improve overall responses.
5) Aviation Managers and Procurement Specialists proactive communication regarding end-product contracts to ensure OPM-35 compliance.

SOURCE SELECTION EVALUATION BOARD (SSEB)

Safety & Evaluation Changes

- Adjusted Adjectival Rating Thresholds
- Updated SMS Questionnaire
- Updated FAA and IS-BAO Standards

Aviation Safety Management System (SMS) is an approach to managing aviation safety that includes the formal, top-down, business-like approach to managing and reducing risk, which includes a systemic approach to managing safety, including the necessary organizational structures, accountabilities, policies, and procedures. SMS is an evolutionary development in aviation safety as it creates structured, repeatable, and proactive systems that can reduce aviation risk to the Non-Fleet and/or the government employees that use their services. Completed SSEBs were an evaluation of offeror's response to an SMS questionnaire.

12	13	4
SSEB Completions	Solicitation Reviews	SMS Vendor Onsite Visits

At-A-Glance

Aviation Safety Management System (SMS) Success Stories

1) Multiple operators progressing from no SMS, to initial SMS manual.
2) First completed Outside the Continental U.S. (OCUNUS) SMS Site Visit – Hawaii. Alaska is scheduled for FY24.
3) Vendor using OAS SMS feedback to apply for and achieve FAA SMS recognition (Safety Management System Voluntary Program (SMSVP)).

For more information:

Contact: Josh Haney at joshua_haney@ios.doi.gov or 208-433-5012

ENHANCING SAFETY

RISK MANAGEMENT

04

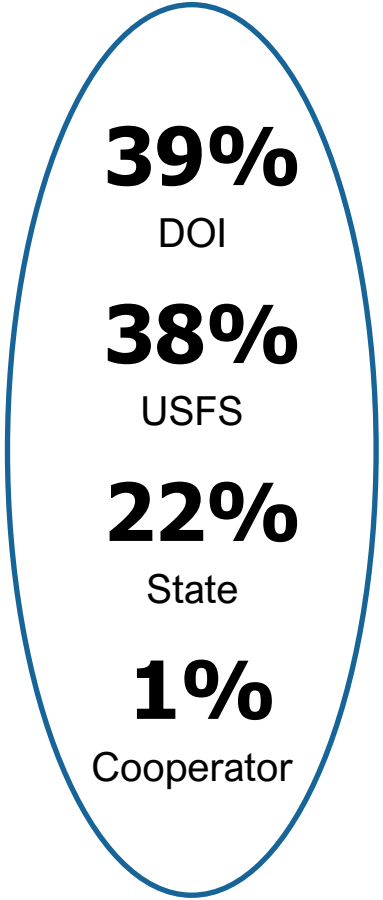
SAFECOM OVERVIEW

SAFECOM
Aviation Safety Communiquè

Using the SAFECOM system for punitive action is prohibited (352 DM 3.10B).

Submitting SAFECOM is **not** a substitute for “on-the-spot” correction(s) to a safety concern. It is a tool used to identify, document, track, and correct safety related issues.

A SAFECOM does not replace the requirement for initiating an accident or incident report.



SAFECOM Data

1,016
Total SAFECOM Entries*

392
DOI Bureau Entries

*DOI, USFS, States, & Cooperators

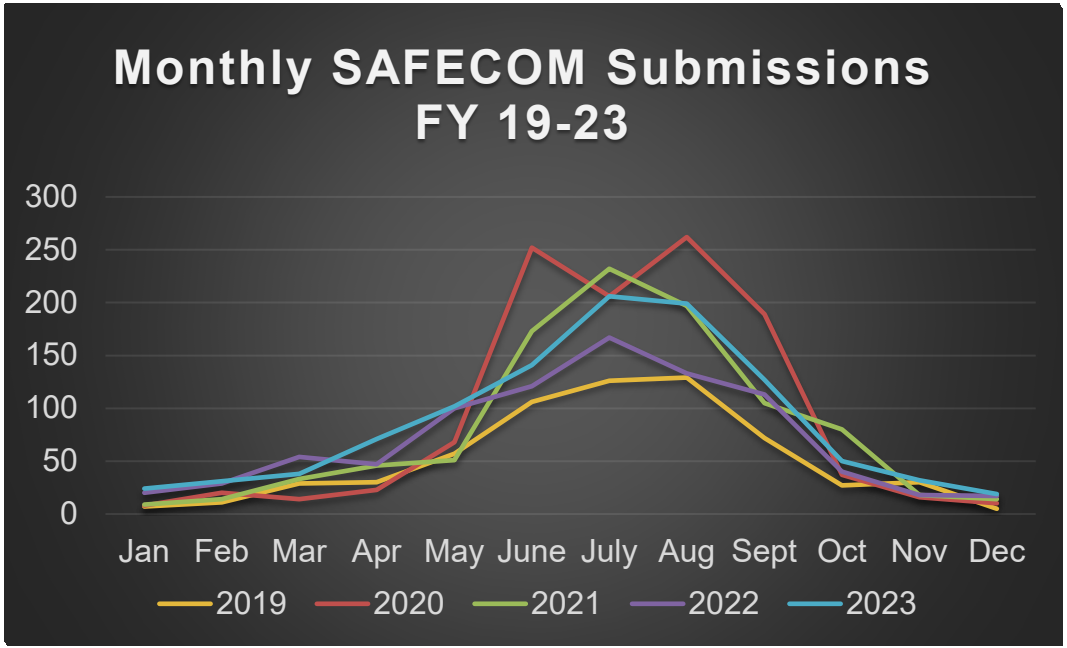
SAFECOM OVERVIEW

SAFECOM
Aviation Safety Communiquè

FY 23 Percentage Submission By Bureau*

Bureau	Percent
BIA	4%
BLM	18%
BOEM	0%
BOR	1%
BSEE	53%
FWS	4%
NPS	14%
OAS	2%
OSM	0%
USGS	2%

*Crewed & sUAS

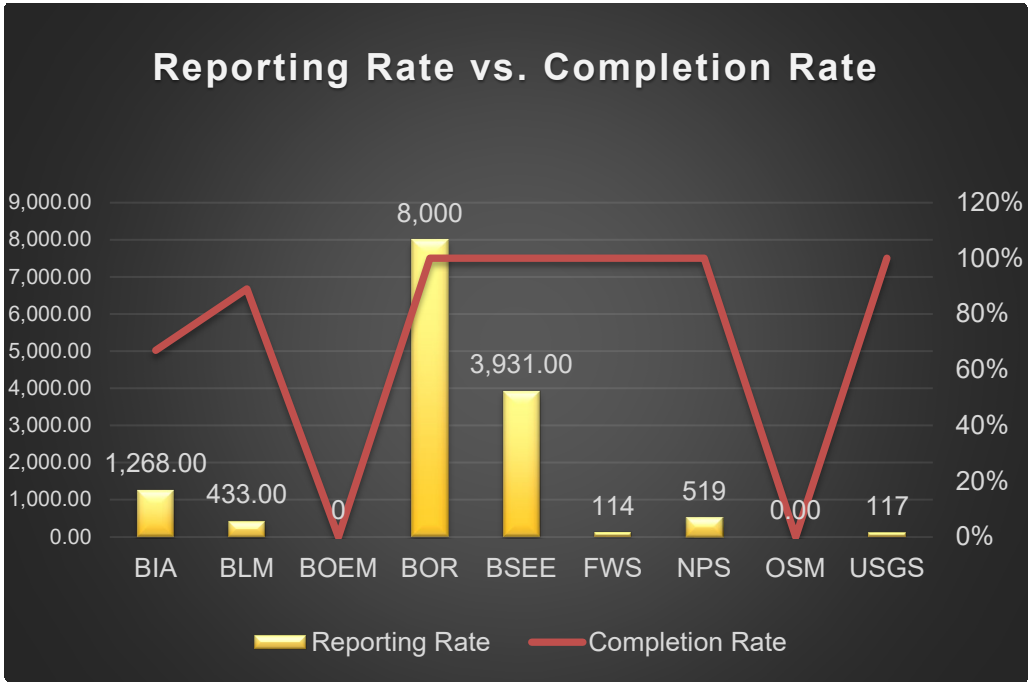


*All Agencies

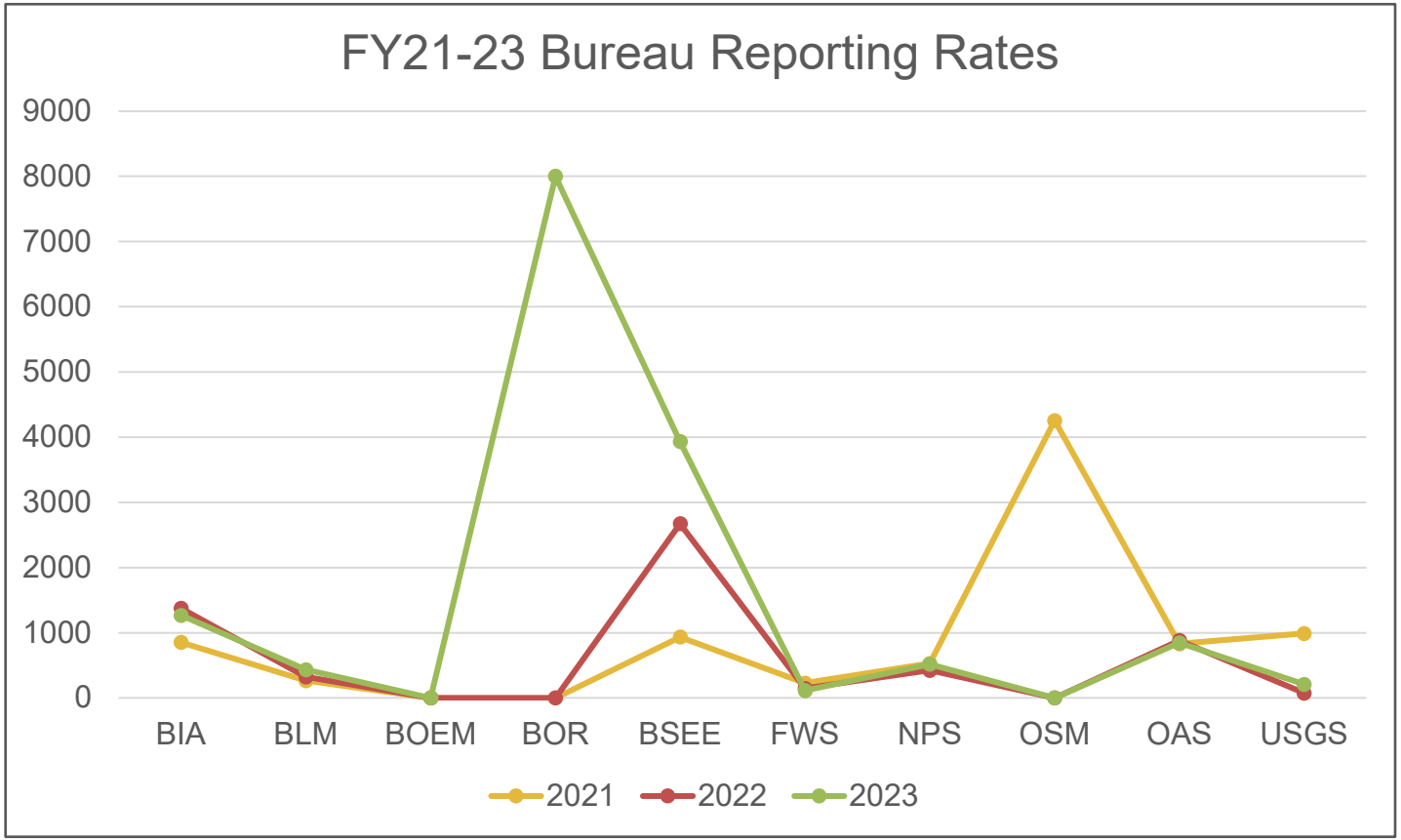
FY23 SAFECOM Reporting Rate vs. Completion Rate

Bureau	Reporting Rate*	Completion Rate
BIA	1,268	67%
BLM	433	89%
BOEM	0	0%
BOR	8,000	100%
BSEE	3,931	100%
FWS	114	100%
NPS	519	100%
OSM	0	0%
USGS	117	100%

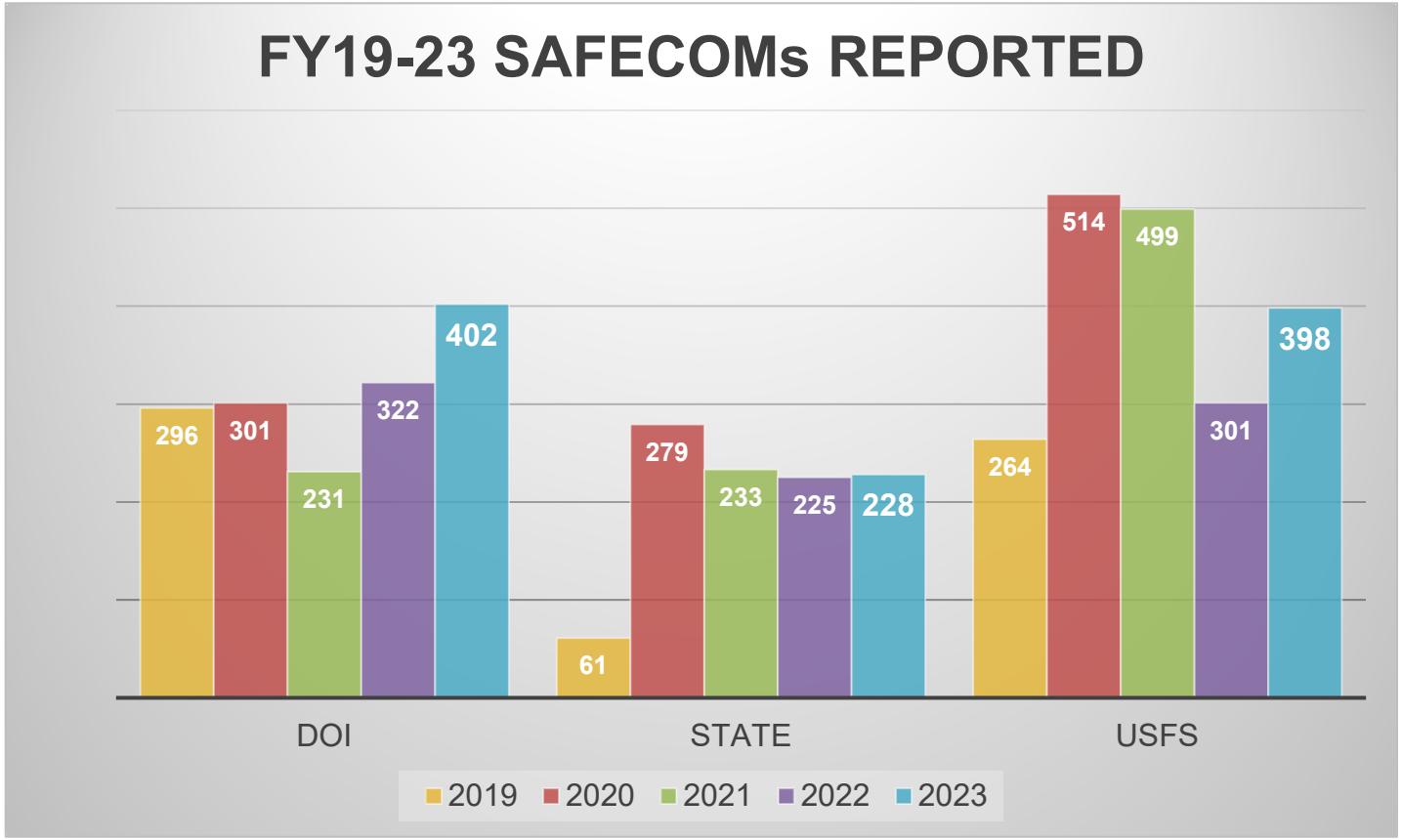
*Per 100,000 flight hours



SAFECOM OVERVIEW

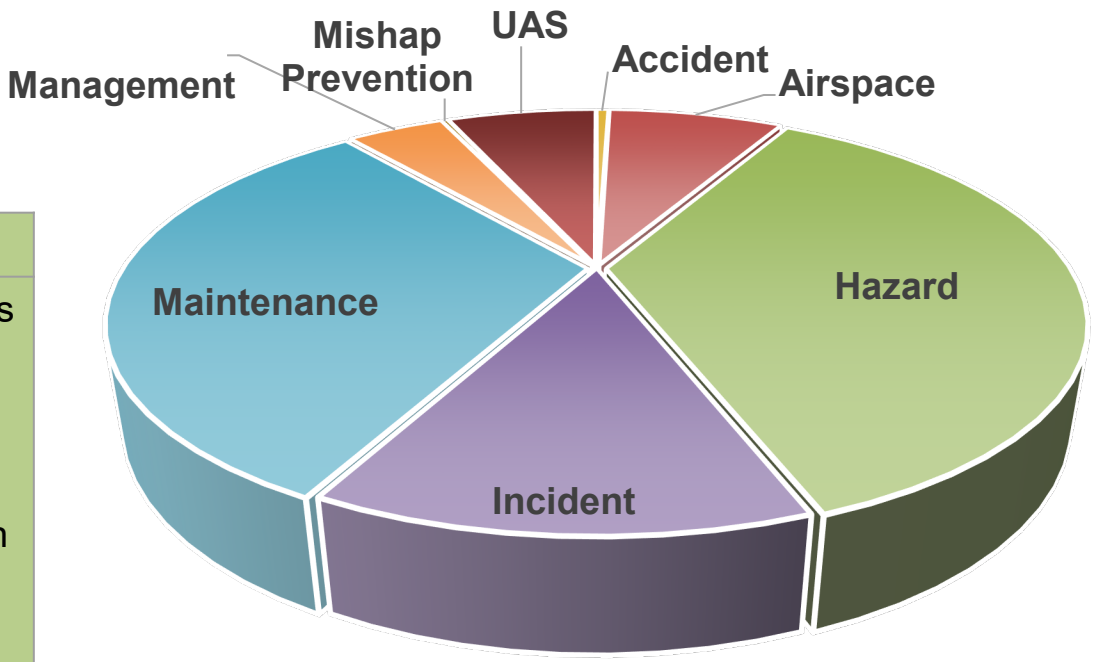

FY21-23 Bureau Reporting Rates
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
BIA
BLM
BOEM
BOR
BSEE
FWS
NPS
OSM
OAS
USGS
2021
2022
2023

SAFECOM OVERVIEW



SAFECOM
Aviation Safety Communiqué

FY23 SAFECOM DISTRIBUTION BY CATEGORY



Maintenance

Engine
Electrical
Avionics
Instrument
Chip Light
Airframe
Fuel
Other
Landing Gear

Hazard

Communications
Weather
Mission Equip.
Pilot Action
Other
Policy Deviation
Flight Equip.
Preflight Action
Ramp
Ground Equip.

SAFECOM OVERVIEW

SAFETY PUBLICATIONS

2	7	0	7	0
IA SA	IA/DOI APB	IA LL	IA IB	IA TB

Publication Categories	Description
DOI & Interagency Safety Alert (IA SA)	Significant in nature and categorized as: operations, maintenance, and publications.
DOI & Interagency Accident Prevention Bulletin (IA APB)	General in nature with information regarding aircraft mishap prevention concepts, methods, procedures, and efforts.
DOI & Interagency Lessons Learned (IA LL)	General in nature and used to disseminate lessons learned from mishaps and subsequent investigations.
DOI & Interagency Information Bulletin (IA IB)	General in nature and used to disseminate announcements and information of general interest.

PUBLICATION UPDATES

Interagency Aviation Safety Alert

Publication Number	Title
IA SA 23-01	Matrice 600 Pro Batteries - Thermal Expansion
IA SA 23-02	Portable Electronic Device (PED) Safety and Security

DOI Accident Prevention Bulletin

Publication Number	Title
DOI APB 23-01	Safety Management Systems

Interagency Accident Prevention Bulletin

Publication Number	Title
IA APB 23-01	Hazardous Materials in Aircraft
IA APB 23-02	Aircraft Ready for Flight (Preflight Inspections)
IA APB 23-03	Aircraft Fuel Management
IA APB 23-04	Freefly Alta X Landing Gear Separations During Flight
IA APB 23-05	Maintenance Related Incidents and Countermeasures for Human Errors
IA APB 23-06	Bell Medium Helicopter operations with Simplex Model 304 Fire Attack System

PUBLICATION UPDATES

Interagency Aviation Information Bulletin

Publication Number	Title
IA IB 23-01	New Nationwide Airtanker Base Frequency - Revision May 23, 2023
IA IB 23-02	Mixing Dissimilar Retardants (Rescinded)
IA IB 23-03	Grand Junction Airport Construction Summer 2023
IA IB 23-04	Integrated Operational Field Evaluation (I-OFE)
IA IB 23-05	Billings Logan International Airport (KBIL) and Laurel Municipal Airport (6S8) Closure August 10-13, 2023
IA IB 23-06	Non-Agency, Non-Cooperator UAS TFRs (91.137(a)(1))
IA IB 23-07	Temporary Airtanker Base - Alexandria, LA (AEX)

PROMOTION

05

AWARDS & ACHIEVEMENTS

Award	Recipient(s)
Departmental Award for Outstanding Contribution to Aviation Safety	USGS Alaska Region
Award for Significant Contribution to Aviation Safety	Anthony Lascano (FWS) BLM National Aerial Firefighting Cadre
In-Flight Action	Jeremy Leftwich (BSEE)
Airward	Liliana DeSmither (USGS) Micheal Roof (NPS) Sam Bellotte (BLM) Walker Gusse (BLM) Matthew Nelson (BLM)

In FY23, DOI awards increased by an average of 4% over the last three years.

ACCIDENT MILESTONES AND BUREAU CONTACTS

Accident-Free Milestones

Bureau	Years
BIA	6
BLM	2
BOEM	12
BOR	26
BSEE	49
FWS	8
NPS	1
OSM	3
USGS	3

Bureau	National Aviation Manager	Phone
BIA	Dave Underwood	505-562-3376
BLM	Glen Claypool	208-387-5182
BOEM	Richard Knowles	907-334-5268
BOR	David Rosser	208-433-5050
BSEE	Andrew Wareham	907-334-5278
FWS	Anthony Lascano	571-213-3021
NPS	John Buehler	208-387-5227
OSM	David Rosser	208-433-5050
USGS	Dirk Hart	904-614-8844

EXECUTIVE SUMMARY

90

FY23 DOI Executive Summary

OAS provides aviation services to the Department of the Interior and other Federal, State and local government agencies. The OAS mission is "...to raise the safety standards, increase the efficiency and promote the economical operation of aircraft activities in the Department of the Interior."

DOI EXECUTIVE SUMMARY

Policy
6 – OPM Updates Completed
Assurance
7 – Program Evaluations Completed 4 – Vendor SMS site visits. 83% of DOI contracts contained SMS requirements in FY23.
Risk Management
DOI achieved a 37% increase in SAFECOM reporting rate from FY22 to FY23.
Promotion
16 – Safety Publications released. 10 – DOI Safety Awards given.

Procurement Type	FY 23 Rate	FY 22 Rate	Percent Difference
Crewed Aircraft			
Mishap	0	7.55	∞ ↓
Accident	0	3.77	∞ ↓
5-Year	6.32	8.54	-26%
Uncrewed Aircraft			
Mishap	0	4.38	∞ ↓
5-Year	5.04	6.79	-26%

5-Year Data Summary

Type	Total	Mishaps
Crewed	268,914	17
Uncrewed	31,765 flights	16

FY23 DOI Executive Summary

Crewed Aircraft	Annual Flight Hours	Annual Flight Usage Cost	Cost per Flight Hour
Non-Fleet	34,159	$66,404,414	$534
Fleet	12,781	$6,819,909	$1,944

4,734 Fleet Missions

12,976 Non-Fleet Missions

SAFECOM
Aviation Safety Communiqué

Top 3 Categories: Maintenance, Hazard, and Incident.

Submission Breakdown: 8% sUAS 92% Crewed

Total Reported	392
Remaining Open	17
Completion Rate	96%

Reporting Rates*

**Percent difference FY22 to FY23*

+38% Crewed

-6% sUAS

Fleet Statistics	Bureau Total
Crewed Aircraft	85
Pilots	82
Uncrewed Aircraft	645
sUAS Pilots	510

6,794 sUAS Flights

Top Categories: Training & Proficiency, Mapping, and Aerial Ignition.

Aircraft Used: Matrice 600 Pro, 3DR Solo, Parrott Anafi.

DOI EXECUTIVE SUMMARY