



Federal Aviation
Administration

Cultivating a Safety Culture



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What is Safety Culture?

SAFETY

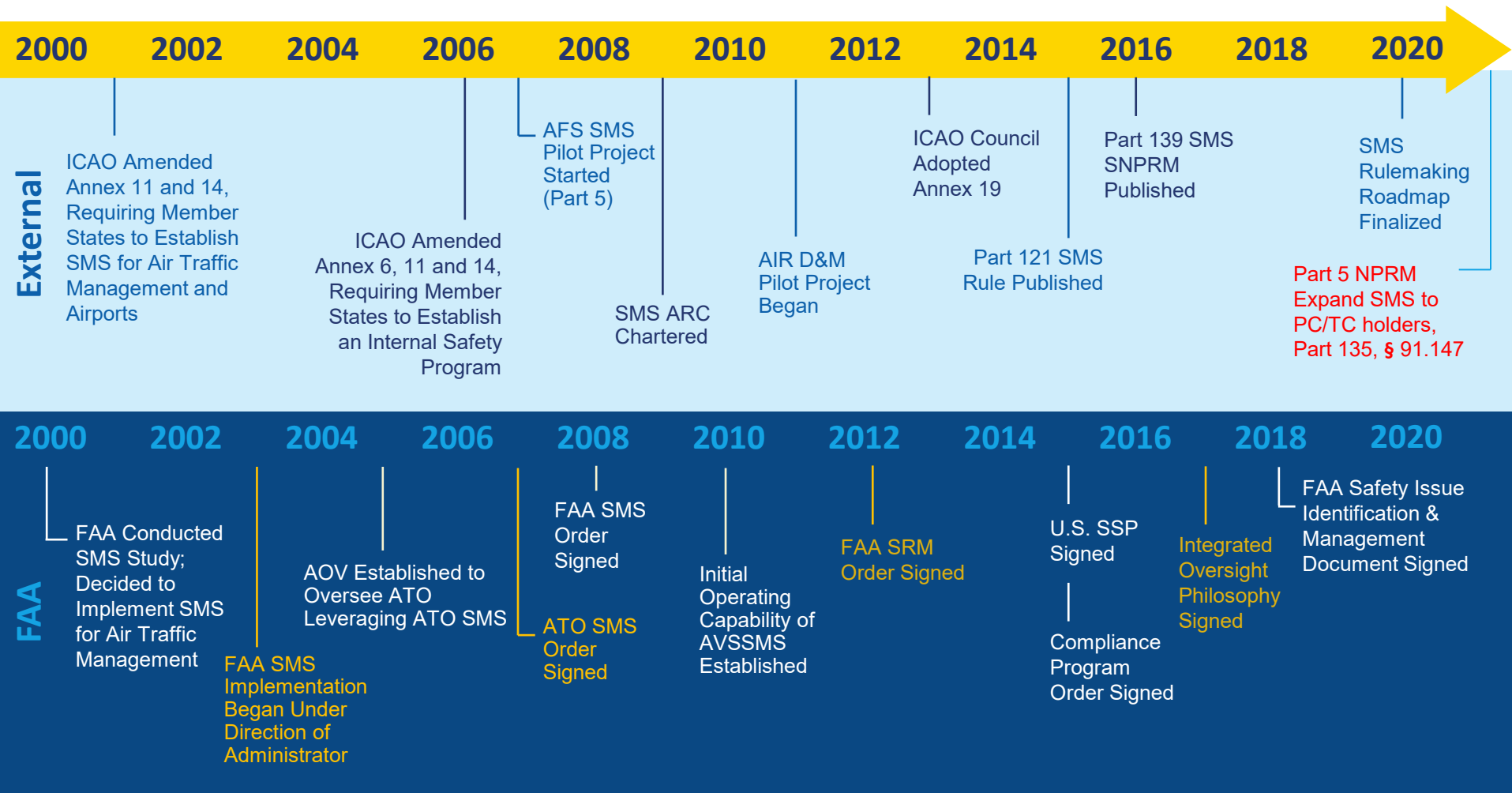
- HONESTY & TRUST
- CONTINUOUS IMPROVEMENT
- RESPECT & TEAM WORK
- FOLLOW-UP

MISSION

MONEY



Safety Management Historical Snapshot



FAA Safety Management Hierarchy

ICAO ANNEX 19



U.S. STATE
SAFETY PROGRAM



FAA SMS

Aviation Safety
(AVS) SMS

FAA Order VS
8000.367

Air Traffic
(ATO) SMS

FAA Order JO
1000.37

Airports (ARP)
SMS

FAA Order
5200.11

Commercial
Space (AST)
SMS

AST SMS Manual
Version 2.0

NextGen (ANG)
SMS

FAA Order NG
1000.44

Security &
Hazardous Materials
Safety (ASH) SMS

Operations Outlined in
FAA Order 8900.1



FAA SMS Management Structure & Policy

FAA SMS Executive Council

External Policy:

- ICAO Annex 19

Internal Policy:

- FAA Order 8000.369, *Safety Management System*
- FAA Order 8040.4, *Safety Risk Management*

FAA SMS Committee

Lead Organizations in FAA Lines of Business (LOBs)

Aviation Safety (AVS) SMS

FAA Order VS 8000.367

Air Traffic (ATO) SMS

FAA Order JO 1000.37

Airports (ARP) SMS

FAA Order 5200.11

Commercial Space (AST) SMS

AST SMS Manual
Version 2.0

NextGen (ANG) SMS

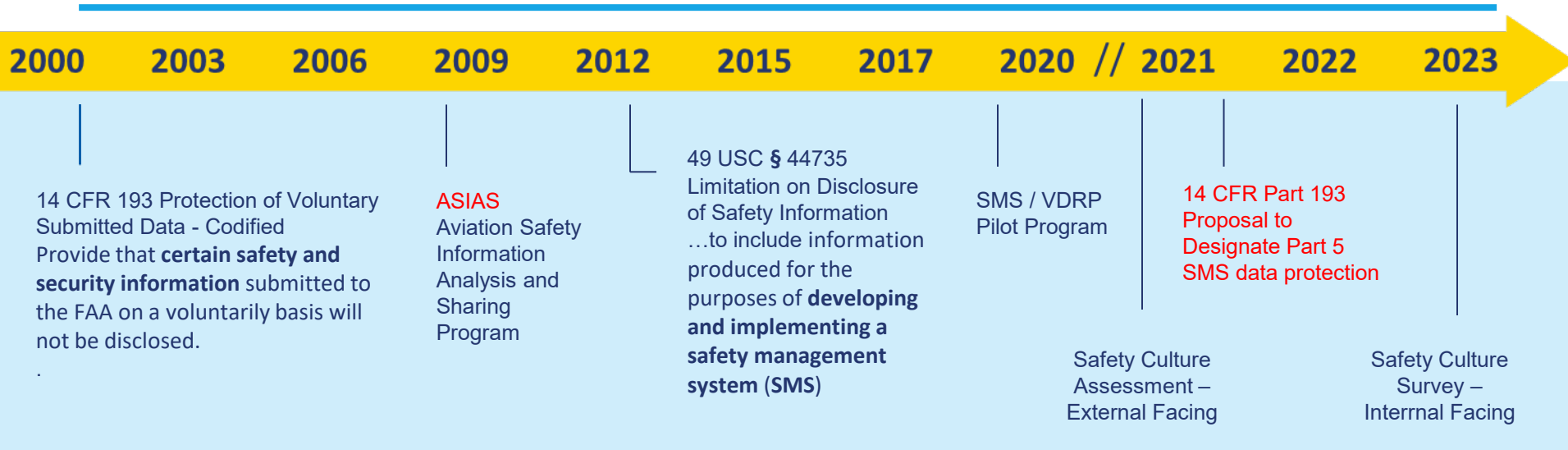
FAA Order NG 1000.44

Security & Hazardous Materials Safety (ASH) SMS

Operations Outlined in
FAA Order 8900.1



Voluntary Safety Programs – Sharing Culture



FAA’s interest – to develop voluntary information sharing programs and protect this information from release under FOIA or other means.



14 CFR Part 193 – Designated Programs

- Aviation Safety Action Program (ASAP)
- Flight Operational Quality Assurance (FOQA)
- Air Traffic Safety Action Program (ATSAP)
- Commercial Aviation Safety Team (CAST)
- Voluntary Disclosure Reporting Program (VDRP)
- Rotor Manufacturing Induced Anomaly (ROMAN) Database
- Technical Operations Safety Action Program (T-SAP)
- Federal Contract Tower Safety Action Program (SAFER-FCT)
- Air Traffic Safety Action Program for Engineers & Architects, Staff Support Specialists, Aviation Technical System Specialists (Series 2186) and Flight Procedures Team (ATSAP-X)



Operating Principles

non-punitive use of data and shared information



data are **de-identified**



voluntary participation



analyses **approved by consensus**

consensus based governance



transparency of data management



data used solely for **advancement of safety**



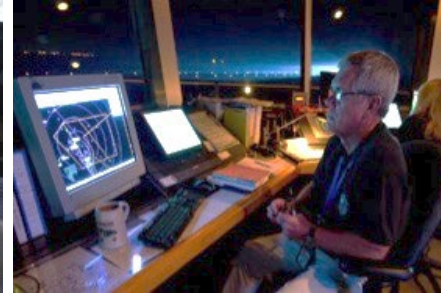
Safety Data



Aviation Safety Reports
625K+ reports



Digital Aircraft Data
32M+ flights



ATC Safety Reports
168K+ reports

**Confidential
Safety Data**



FAA Radar Data
120M+ flights



Weather Data

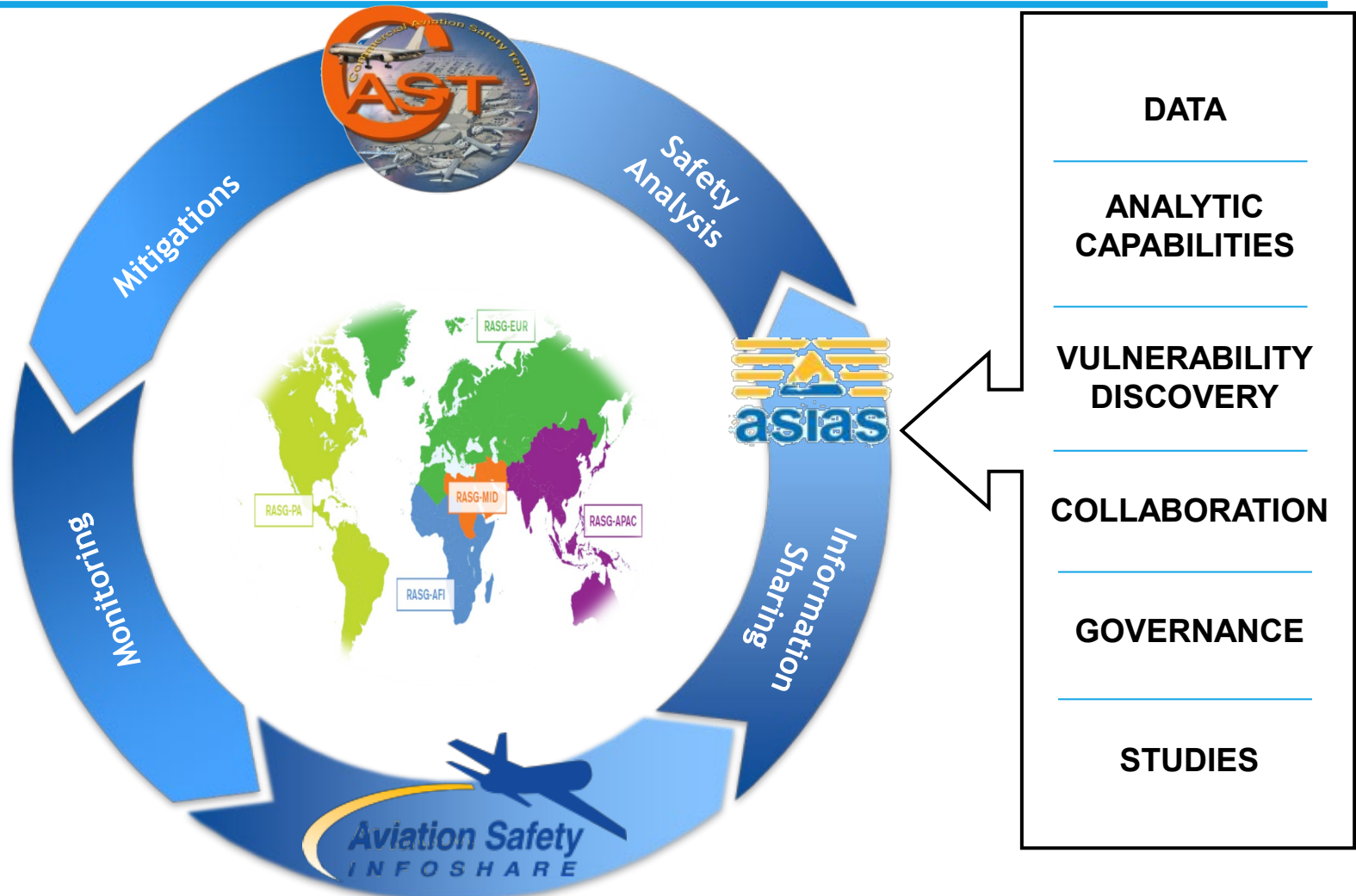


**Procedures, Airspace and
Infrastructure Data**

**Government/
Public
Safety Data**

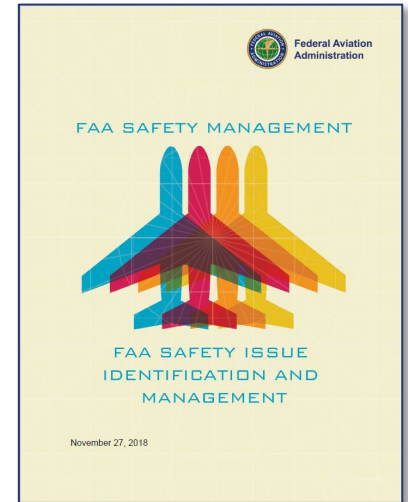


Collaborative Government and Industry Initiative



FAA Safety Assurance In Action

- FAA Safety Issue Identification and Management Process
 - Process for identifying, highlighting, and elevating potential safety issues/emerging risk to appropriate management level
- Hazard Identification Risk Management and Tracking (HIRMT) Tool
 - Agency-level tool to capture, manage, and report on safety issues affecting multiple LOBs and Staff Offices
 - Enhances communication and collaboration amongst FAA organizations on safety issues most critical to the agency



Safety Culture Surveys & Assessments

- How do we know?

In 2021 - We examined how safety culture is assessed by the FAA of the industry

- Safety culture is not well-integrated into risk-based oversight decisions today
- Training does not effectively teach practical *how* of safety culture assessment
- SAS does not align well with scientific or regulatory frameworks of safety culture
 - One SAS Response Detail: 'lack of safety culture'

We collaborated to develop a new safety culture assessment

- Developed by inspectors, for inspectors
- Designed to integrate into SAS and current oversight framework/tools
- Designed to align with scientific frameworks of safety culture

An inward look.

2023 – we just closed our AVS Safety Culture Survey



International Efforts



Safety Management International Collaboration Group (SM ICG) Overview



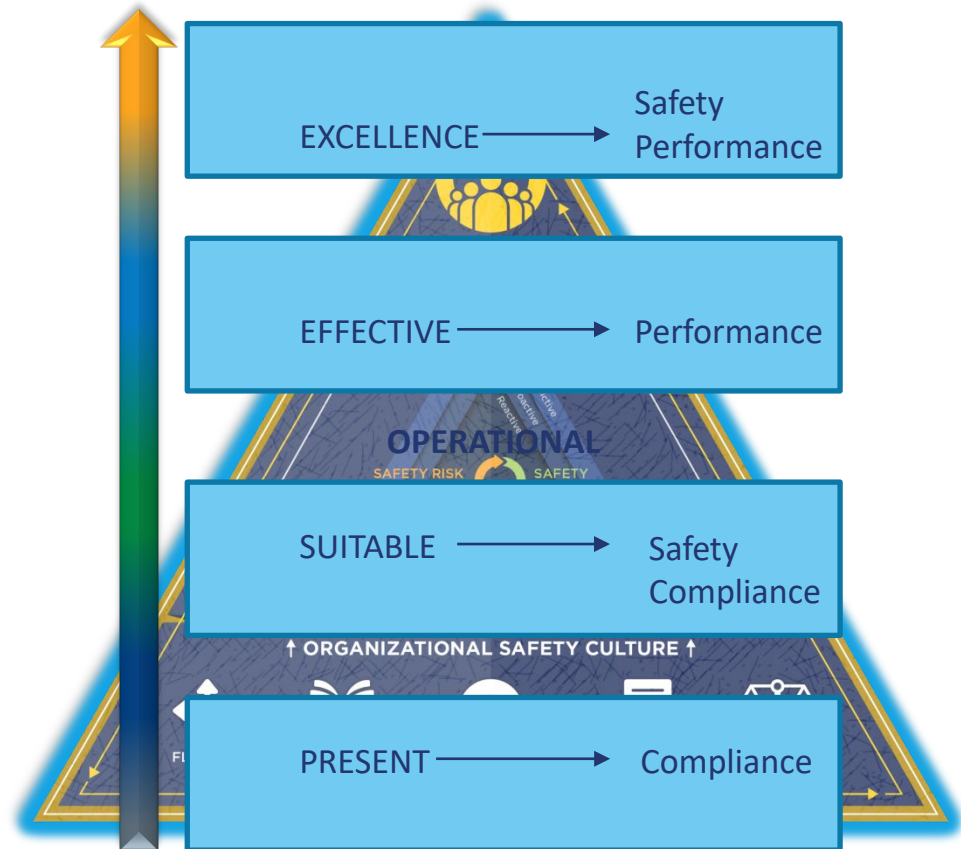
- Established in February 2009 to promote a common understanding of SMS/SSP principles and requirements, facilitating their application across the international aviation community
- Chair role is rotated between three initiating members: FAA, EASA, and TCCA
- Direction is provided by Steering Committee (FAA is a permanent member of the committee)
- Meetings are scheduled twice a year and include an industry day for the exchange of information
 - Supported by teleconferences
 - Project teams develop products and schedule teleconferences as needed



Maturity

Integrating SMS, Data and Culture

- Integrate cultural influence into every layer of the organization.
- Keep it independent of the regulation
- Use assessment tools to measure maturity
- Drive from safety compliance suitable compliance → SMS → effectiveness towards excellence
- Excellence = SMS interfaces, SMS network, cross organizational identification of hazards, cultural maturity and shift of mindset
 - Assess complacency to maintain excellence



Safety Management Portal

Home

FocusFAA

Employee Services

Tools & Resources

Organizations

MyProfile Directory Search

Safety Management

U.S. State Safety Program (SSP)

Safety Management System (SMS)

International Collaboration

Safety Management in Industry

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Safety Management

Email

Print

Proposed SMS Rule Published

The FAA proposed a rule that requires charter, commuter, and air tour operators, and aircraft manufacturers to implement SMS, a critical safety approach that has helped create the safest era in aviation history. [Read more](#)



To reach the next level of safety in an increasingly busy, complex, and global air transportation environment, the FAA has instituted a proactive safety management approach. This approach ensures that the outcomes of any management or system activity incorporate safety considerations. We have implemented this approach through the U.S. State Safety Program (SSP), enabled by the FAA Safety Management System (SMS). [More »](#)

U.S. SSP



SSP (PDF) provides the overarching framework for our safety system

SMS



Organization-wide approach to managing safety risk and assuring the effectiveness of safety risk controls

LOB Safety Management System Sites

- Air Traffic Organization (ATO)
- Airports (ARP)
- Aviation Safety (AVS)

Top Requests

- Safety Management in FAA
- U.S. SSP Document (PDF)
- Compliance Program
- Integrated Oversight Philosophy
- SRM Guidance
- HIRMT Program
- Frequently Asked Questions

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Questions? Comments?
Contact Us.



Safety Culture Portal

Tools & Resources

- Enterprise Information Management (EIM)
- Acquisition, Procurement, & Logistics
- Branding & Writing
- Budget, Accounting, & Finance
- Environment & Energy
- Forms
- FAA Social Media
- FAA Administrative Voice Enterprise Services (FAVES)
- IT Services & Support
- Online Libraries
- Orders & Notices
- Publications
- Safety Initiatives
- Career & Leadership Development
- Travel
- Web Program
- Workplace Resources

MyFAA Home » Tools & Resources »

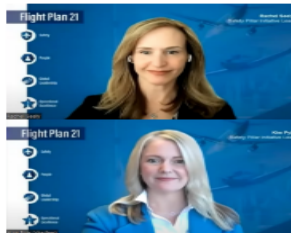
Safety Culture

Email Print



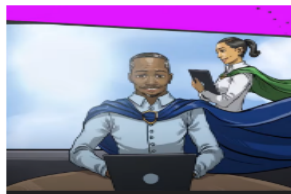
We define Safety culture as an organization's shared values and behaviors—modeled by its leaders and internalized and acted upon by its members—that demonstrate a commitment to safety over competing goals and demands.

Safety Culture Flight Plan 21



The Initiate Safety Culture Campaign across the FAA under the Flight Plan 21 Safety Pillar, is well under way. Listen to Kim Pyle and Dr. Rachel Seely discuss status of this initiative. [Watch video](#)

Safety Culture 101



Everyone can become a Safety Culture Hero! Safety Culture is our workplace culture, even with competing demands. By nurturing a positive and proactive Safety Culture, we'll navigate to an even safer NAS. [Watch video](#)



FAA Safety Management Resources

- Dynamic Regulatory System

[Dynamic Regulatory System](https://www.faa.gov)
[\(faa.gov\)](https://www.faa.gov)

- FAA SMS reference library

https://www.faa.gov/about/initiatives/sms/reference_library/policy_and_requirements



Industry Safety Management Resources

- [FAA Safety Management Intranet Site](#)
- [AVSSMS Intranet Site](#)
- [14 CFR part 5 - Safety Management Systems](#)
- [FAA SMS Internet Site](#)
- [FAA Compliance Program](#)
- [FAA Integrated Oversight Philosophy](#)

