



## Safety

Oversee and operate the safest aerospace system in the world, all with a culture of continuous improvement

### Safety Culture Commitment

Reinforce and promote "Safety Culture" across FAA and industry that integrates all aspects of Safety Culture (i.e., Just Culture, Reporting Culture, Learning Culture, Flexible Culture, and Informed Culture) to improve safety performance throughout the NAS. Safety culture commitment promotes safety policy, manages resources and invests in safety training, safety systems, and safety solutions; documents processes and procedures, and ensures accountability for safety.

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#### **Initiative: Final Safety Management System (SMS) Rule at Part 139 Airports**

Increase safety by continuing to work with applicable Part 139 Airports on implementation of Airports SMS Rule.

##### **Activity: Implement SMS at Hub Airports**

Assist Part 139 Hub Airports in meeting required SMS implementation plan.

##### **Target: Provide program oversight and technical support to part 139 airports in triggering category 100K ops in developing their implementation plan for part 139 SMS**

AAS to work collectively with the regions to assist the Part 139 triggered airports with 100K ops and international operations in meeting their required deadline for submittal of their implementation plan for SMS due by October 31, 2024.

##### **Target: External SMS Best Practices**

SMS Rule roll-out team will continue to work internally and externally with industry on providing program updates, best practices and address issues and concerns, during the rule implementation period.

#### **Initiative: Address Core Safety Risks**

Work collaboratively to address runway incursions, runway excursions, wrong-surface incidents, nonstandard configurations and taxiway nomenclature to reduce risks.

##### **Activity: Implement RIM Program**

Identify, prioritize and mitigate airport locations with a history of runway incursions and report on the effectiveness of the Runway Incursion Mitigation (RIM) program.

**Target: FY25-29 RIM mitigation projects schedule**

Regions, with ADO coordination, if applicable, provides their respective Regional Director with an interim progress report on planned mitigation projects at RIM locations, with a copy provided to the national RIM program manager.

**Target: FY25-29 RIM mitigation projects schedule**

Each Region works with their Airport Sponsors to ensure any planned RIM mitigation projects are incorporated into the Sponsor's FY25-29 Capital Improvement Plan. ADOs and Regions will provide the RIM National Program manager with a final progress report on planned mitigation projects at RIM locations for FY 25-29.

**Target: RIM Projects Report**

The ARP RIM Program National Manager provides annual draft mitigation report to Airport Safety and Standards management, summarizing mitigation efforts in FY24.

**Target: RIM Summary Report**

ARP RIM National Program Manager prepares an updated draft RIM program summary report containing mitigation history and effectiveness metrics, for distribution to all ARP employees.

**Target: RIM Projects**

Regions collectively complete 3 mitigation projects at RIM locations.

**Activity: Implement "Hot-Spot Improvement Program" (HIP)**

Enhance identification, prioritization, mitigation, and prevention of Hot Spots nationally.

**Target: Hot Spots at Non-Towered Part 139 Airports**

HQs to identify and analyze the 131 non-towered Part 139 airports for Problematic Taxiway Geometry (PTG) locations using the principles established in the RIM Program.

**Target: Implement "Hot-Spot Improvement Program" (HIP)**

Regions to update the status of the proposed mitigations for the non-RIM hot-spot locations previously identified in FY23 and prior years.

**Target: RSAT Attendance For Hub Airports**

Regional and/or ADO staff to attend and participate in RSATs at 25% of, or 5 hub airports (whichever is less) within their respective regions, with an unmitigated non-RIM Hot Spot.

**Target: RSAT Attendance For Hub Airports**

Provide to the Regional Director a summary of ARP action items and draft mitigation plans to address those action items from the RSATs in Target 24Sp.2B3.

### **Activity: Implement Standard Taxiway Nomenclature**

Assess results of 2023 taxiway nomenclature inventory of Part 139 Hub airports

#### **Target: Standard Taxiway Nomenclature**

Using 2023 inventory of 139 airports, HQs will prepare report on consistency with taxiway naming standards of AC 150/5340-18.

#### **Target: Standard Taxiway Nomenclature**

Publish Change 2 to AC 150/5340-18, Standards for Airport Sign Systems, in order to clarify taxiway naming conventions.

### **Initiative: Enhance Part 139 Program Oversight**

Increase safety at the Certificated Airports by providing national guidance and enhancing oversight over the Part 139 program.

#### **Activity: Provide national guidance and oversight enhancement of Part 139 inspection program**

Improve standardization and consistency of 14 CFR Part 139 compliance methodologies across regions.

#### **Target: Airport Certification Safety Data Assessment**

AAS-300 to review CCMIS inspection data from FY23 to identify the top area(s) of regulatory application/compliance for emphasis during follow-on inspections.

#### **Target: Airport Certification Safety Data Assessment**

AAS-300 will identify inspection areas of emphasis for regional implementation in FY24 based on FY23 inspection data.

#### **Activity: Conduct regional audits of the Part 139 inspection program**

Conduct two individual audits of selected regional Part 139 inspection programs.

#### **Target: Regional audits of Part 139 inspection program**

Airport Safety & Operations, AAS-300, identifies regions slotted for audits.

#### **Target: Conduct Regional Audits of the Part 139 Inspection Program**

AAS-300 will identify and conduct full-scale, in-person evaluations of the Airport Certification Program at two regions in FY24 and produce a report documenting discoveries.

#### **Activity: Cross-train Airport Certification Safety Inspector (ACSI) cadre to promote standardization**

Promote Part 139 inspection standardization by cross-training ACSI cadre.

### **Target: Cross-training Funding and Resource Identification**

AAS-300 confirms funding and notifies regions of cross training opportunities to solicit and identify volunteers. Regional management will approve participants from their region.

### **Target: Cross training opportunities**

AAS-300 will coordinate the cross training effort with consideration of travel restrictions and participants.

## **Initiative: Improve the Safety Culture for the Office of Airports**

Foster an effective Safety Culture rooted in employee understanding, expertise, and commitment

### **Activity: Improve the Safety Culture for the Office of Airports**

Enhance Safety Culture activities with support from the ARP Safety Culture Ambassadors.

### **Target: Improve the Safety Culture for the Office of Airports**

Using the survey data from FY23, AAS will work with the Safety Culture Ambassadors in HQ and the Field to implement new initiatives identified for FY-24

### **Target: Improve the Safety Culture for the Office of Airports**

ARP HQ and Regional Safety Culture Ambassadors will continue to support cross LOB agency safety culture activities throughout the year.

## **Emerging Entrants**

Enable the safe and timely integration of new entrants (unmanned aircraft, commercial space, urban/advanced air mobility, human spaceflight, etc.) into the NAS to keep pace with advancing technologies and developments, while maintaining a safe and secure aerospace system that serves as a world model.

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### **Initiative: Safe Integration of Unmanned Aircraft Systems (UAS) Operations**

Lead and/or support the development, deployment, and successful integration of innovative UAS practices and technologies that improve the safety and performance of UAS in and around the nation's airports.

### **Activity: Test and evaluation efforts of UAS detection and mitigation technologies**

Test and evaluate UAS detection and mitigation technologies.

### **Target: Test and evaluation efforts of UAS detection and mitigation technologies**

Provide draft reports and input on standards based on the Section 383 research through September 30, 2023. Test and evaluate additional UAS detection and mitigation technologies based on congressional direction and available budget to support standards development.

### **Activity: UAS Utilization**

Based on the UAS airport application research effort, develop draft information for airport sponsors to use when utilizing UAS to conduct applications in and around the airport.

### **Target: Wildlife Dispersal Pilot Program**

Conduct a UAS wildlife dispersal 'pilot program' at the Atlantic City International Airport.

### **Target: Autonomous UAS**

Plan and coordinate a study on the use of autonomous UAS for conducting perimeter inspections and surveillance.

## **Safety and Security Risk Management**

Ensure a formalized and proactive approach to aviation safety by identifying, monitoring, assessing, and managing safety and security risks through enhanced access to data and analytics, informed risk-based decision making, improved safety metrics and security measures, and increased system safety awareness and performance.

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### **Initiative: General Aviation (GA) Safety**

Improve safety at GA airports.

### **Activity: Enhance Safety at General Aviation (GA) Airports**

Enhance GA safety at airports within the United States, and its territories.

### **Target: Develop GA airport safety review checklist webinar training**

AAS to provide webinar-based training specific to the use of the GA Airport Safety Review checklist. The GA Airport Safety Review Checklist is a tool to be used by ARP staff to record observations of the airport environment during a planned on-airport visit. Information gathered from such observations will help guide the future direction of ARP's GA airport safety initiatives.

### **Target: General Aviation Runway Safety Area (RSA) Improvement Program**

Headquarters will work with each Region to identify ten (10) general aviation (GA) runways at NPIAS airports within each region, which meet RSA standards in FY 2024 and that require an RSA determination in ADIP.

**Target: General Aviation Runway Safety Area (RSA) Improvement Program**

Headquarters will assist each Region to update the RSA inventory and complete the RSA determination process in the ADIP RSA module for the ten (10) general aviation (GA) runways selected in each region.

**Target: Enhancing GA Wildlife Hazard Management**

Develop and initiate an awareness campaign on wildlife hazard management at GA airports with the emphasis on enhancing and increasing the wildlife strike reporting at GA airports.

**Target: Develop a General Aviation (GA) Airport Safety Implementation plan template**

A workgroup of 3 field-level SMEs, 3 field-level managers, and 4 HQs-level management representatives (from AAS, APP and ACO) will use interim information gathered from GA Airport Safety Review Checklists completed between October 1, 2023 and April 30, 2024, to develop a standardized GA Airport Safety Implementation Plan template.

# People

Strengthen our current and future aviation workforce by holding ourselves accountable, developing our people and planning for the aviation workforce of the future

## Diversity, Equity, Inclusion, and Accessibility

Ensure a more conscious and inclusive culture that embraces the diverse talents of employees, ensures fair and equitable treatment, and advances broader gains in diversity, equity, inclusion, and accessibility.

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### Initiative: EEO/Diversity and Inclusion Action Committee (EAC)

Utilize the EEO Action Committee (EAC) to enhance, collaborate and support a diverse and inclusive workplace with existing employee workgroups and LOBs/SO. Collaborate with AHR's Corporate Recruitment Council to develop an annual outreach plan, targeting underrepresented groups within the agency.

#### Activity: Ensure a Diverse and Inclusive Workforce - Reasonable Accommodations

Support the FAA's corporate goal to process 90% of the agencies Reasonable Accommodation request within 25 days or less.

#### Target: ARP - Reasonable Accommodations

Support the FAA's corporate goal to process 90% of the agencies Reasonable Accommodation request within 25 days or less.

#### Activity: Ensure a Diverse and Inclusive Workforce - Mediation

Managers engage in the mediation/facilitation process when requested.

#### Target: ARP - Mediation

Ensure that 70% of managers engage in mediation when requested by employees.

### Initiative: Train Managers and Employees across the Agency in Diversity, Equity, Inclusion, and Accessibility (DEIA)

ACR will lead collaboration with LOBs/SOs to train managers and employees in DEIA.

#### Activity: ACR will Lead Collaboration with LOBs/SOs to Train Managers and Employees in DEIA.

The Office of Civil Rights will provide LOB/SOs with a list of DEIA training courses approved by ACR and will provide monthly completion totals to support their efforts in achieving the goal that 75% of managers and 25% of employees attend one training course each fiscal year.

#### Target: ARP - Train Managers and Non-Managerial Employees in a Minimum of One DEIA Training Course

Ensure at least 75% of managers and 25% of employees attend a minimum of one training course from a menu of DEIA training courses.

# Human Capital Management

Enhance FAA's human capital management capabilities to support innovation and collaboration that will empower a synergetic, data-driven workplace. Leverage data and technology to continuously identify and address human capital management opportunities and efficiencies. Position the FAA as an employer of choice by promoting career opportunities to attract the workforce of the future, while maintaining a culture that enhances employee engagement and accountability. Ensure that the FAA retains a diverse and high performing workforce by providing varied learning opportunities and workplace flexibilities.

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## **Initiative: Small Business Opportunities**

Support small businesses and job creation by providing opportunities for small businesses to attain FAA contracts and purchase orders, with special emphasis on procurement opportunities for socially and economically disadvantaged small businesses (including 8(a) certified firms), service-disabled veteran-owned small businesses, and women-owned small businesses.

### **Activity: Contracting with Small Businesses**

Utilize market analysis and acquisition strategies to provide opportunities for small businesses to compete for, and attain FAA contracts and purchase orders, with special emphasis on procurement opportunities for socially and economically disadvantaged small businesses (including 8(a) certified firms), service-disabled veteran-owned small businesses, and women-owned small businesses, economically disadvantaged women-owned small businesses, and historically underutilized business zone small businesses.

#### **Target: ARP - Support ACQ's Small Business efforts**

Support ACQ's efforts to ensure 25% of the Agency's total direct procurement dollars are awarded to small businesses.

### **Activity: Contracting with Small Disadvantaged Business (SDB)**

Utilize market analysis and acquisition strategies to provide opportunities for Small Disadvantaged Businesses (SDB) to compete for and attain FAA contracts and purchase orders.

#### **Target: ARP - Support ACQ's Small Disadvantaged Business efforts**

Ensure at least 14% of the Agency's total direct procurement dollars are awarded to Small Disadvantaged Businesses (SDB).

## **Initiative: Airport Employee Engagement**

Support employee engagement through FedView results and Action Plans.

### **Activity: FEDVIEW action planning**

Utilize the annual FEDVIEW data to continue to boost engagement in ARP.

#### **Target: Employee Engagement Plan**

Develop and implement an employee engagement plan within 90 days of receiving the FY23 FEDVIEW results.



**Target: Update ARP Workforce**

Update the ARP workforce at least 2 times a year on employee engagement activities and progress.

**Target: Development Activities**

As part of succession planning, select at least two critical positions from the projected vacancy list and identify necessary development activities.

**Initiative: Workforce Transformation**

Enhance talent through recruitment, training, retention and awards programs.

**Activity: Fundamentals of Planning and Compliance Program**

Develop a Program emphasizing the Fundamentals of Planning and Compliance.

**Target: Fundamentals of Planning and Compliance Program**

Establish a process and provide training to review sponsor eligibility prior to issuing a grant

**Target: Fundamentals of Planning and Compliance**

Issue updated guidance on land use inspections.

**Target: Fundamentals of Planning and Compliance**

Develop 2-3 short videos on grant assurances for the public.

**Target: Educate stakeholders about compliance**

ACO will lead effort to educate stakeholders about the need for compliance with the AIP grant assurances.

**Activity: Expand recruitment outreach**

Participate in a recruitment event.

**Target: Recruitment Event**

Participate in at least one virtual or in-person recruitment event as presented or sponsored by the Agency.

**Activity: Support FAA's STEM/AVSED efforts**

Create opportunities for students of all backgrounds to learn about and pursue aerospace careers.

**Target: Support Pipelines and Pathways to Aerospace Careers**

Provide at least one STEM AVSED virtual training session to interested ARP employees. This training will provide STEM AVSED program information, resources, and tools, that can be used while doing outreach.

**Target: STEM for Every Student**

Provide one ARP manager and one ARP executive to support the National STEM AVSED Steering Committee and Executive Board.

# Global Leadership

Advance global aviation safety, operational excellence and innovation by leading and collaborating with aviation authorities globally

## Global Aviation Safety and Security Enhancements

Improve global aviation safety and security through targeted assistance and collaboration, partnerships on aviation system safety oversight, streamlining regulatory environments, and promoting higher levels of global airspace and cyber security.

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### **Initiative: Global Aviation Safety**

Increase global aviation safety by participating in the development of International Civil Aviation Organization (ICAO) standards and recommended practices and by supporting technical assistance requests from international aviation organizations.

#### **Activity: Provide Global Leadership in Aerodrome Safety**

Provide subject matter expertise for airport technical assistance and safety assessments at foreign international airports.

#### **Target: Airport Certification Safety Inspectors (ACSI) Shadowing Events**

Support the Civilian Aviation Authorities (CAA's) request to shadow Part 139 inspections.

#### **Target: Provide Global Leadership in Aerodrome Certification and Safety by supporting the certification of aerodromes**

Collaborate with CAA's and airports that are testing and implementing autonomous operations airside to advance the safe integration of autonomous technology on airports in the United States.

#### **Activity: Encourage global adoption of U.S. safety standards and best practices**

Participate in ICAO workgroups to advance the adoption of U.S. safety standards and best practices in order to improve safety at airports worldwide and the adoption of U.S. Standards and best practices.

#### **Target: Participation in ICAO Workshops, and Technical Request from other Civil Aviation Authorities to enhance Global Aerodrome Safety**

Ensure the Office of Airports (ARP) actively participates in ICAO Workshops, and technical requests from other Civil Aviation Authorities or International Organizations in all of the Office of Airports Technical Areas such as aerodrome safety, aerodrome certification, planning, environmental, UAS, Financial, and SMS.

# Operational Excellence

Operate the world's most efficient aerospace system through daily execution, continuous improvement and infrastructure investment.

## Mission Efficiency and Support

Optimize efficiency and support mission requirements through daily execution, continuous improvement, planning, infrastructure resiliency, and investment. Effectively plan for and manage finances, procurement, information technology, and other mission support services.

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### Initiative: Bipartisan Infrastructure Law

The Bipartisan Infrastructure Law is a once-in-a-generation investment in America's transportation network. It will modernize infrastructure, increase equity in transportation, help fight climate change, strengthen the supply chain, and create jobs. As the FAA's BIL Representative, Gian Macone will oversee the performance of such goals.

#### Activity: BIL- Focus 19

Focus \$19.4 billion in BIL funds on airport modernization and safety infrastructure projects including:

- (1) participation in completing 50 new or replacement terminals by 2030 and
- (2) funding 2,000 new or rehabilitated pavement projects by 2030.

#### Target: FY24 Grants for Pavement Projects

Announce grants for 350 new/rehabilitation pavement projects.

#### Target: FY24 Grants for Terminal Projects

Announce the intent to award grants for 10 new or replacement terminals.

#### Activity: BIL-Grant Announcement

Administer \$3.88 billion BIL Airport Infrastructure Grants and Terminal Program Grants. Announce the intent to fund 10 ATP projects that provide a new or improved public transit connections to an airport terminal by 2030.

#### Target: BIL - Airport Terminal Projects Announcement

Publish the Notice of Funding Opportunity (NOFO) for the FY2025 competitive discretionary Airport Terminal Program (ATP).

### Initiative: FAA FOIA Program

Improve Management of the FAA Freedom of Information Act (FOIA) Program.

#### Activity: FOIA Backlog Reduction

Per the Open Government Directive, each agency with a significant pending backlog of outstanding Freedom of Information requests shall take steps to reduce any such backlog by ten percent each year. Reduce the number of backlogged FOIA requests, and maintain the targeted reduction over the course of the fiscal year.

**Target: ARP - Reduce FAA FOIA Backlog**

Reduce ARP FOIA overdue backlog (level as of October 1, 2023) by 10% and sustain a 10% reduction on new overdue requests throughout FY2024.

**Initiative: Improve Data Management Systems**

Improve capabilities of individual data management systems (SOAR, ADIP, ADMS, etc.) and provide integrated data tools supporting enhanced business analytics for ARP employees.

**Activity: Implement Airports Document Management System (ADMS) system**

Implement new electronic document management system for ARP documents and records.

**Target: Develop Plan for Record Management Module implementation to ADMS**

Assess and determine what is needed to implement records management in support of ARP under ADMS

**Target: ADMS enhancements**

Develop, test and deploy the four primary ADMS enhancements that were identified by the ADMS users during rollout of the ADMS platform. This includes the following four items: (1) Ability to Save in Red Folders, (2) Ability to delete others files (in certain circumstances)

**Target: ADMS training**

Identify, prepare, and conduct ADMS training opportunities for new and advanced users across the Office of Airports. This will include soliciting ADMS training topics from staff, preparing the appropriate webinar based training materials and delivering training to ADMS users. This will include no fewer than 3 user training opportunities.

**Target: Enhance Airports Document Management System (ADMS) system**

Establish superusers within ARP to manage new/existing users, edit and create folders

**Activity: Improve, transform and integrate SOAR modules (internal and external) to gain productivity and increase access to a wide variety of information in a timely manner.**

Improve, transform and integrate SOAR to gain productivity and increase information availability and timeliness.

**Target: SOAR Contract Officer Representative (COR) transition**

Develop transition plan for decommissioning all SOAR legacy code by FY2026

**Target: SOAR support contract**

Assuming new contract award in or before Q1 FY24, complete contract transition and define plan for quarterly performance evaluations for selected contractor.

**Target: Transformation of the Airports External Portal (AEP)**

Implement Phase 1 of Contacts, Sponsors and Public Agencies and start at least one other legacy transformation project.

**Activity: Database/Technology Optimization**

Optimize the TIMC's ability to receive, assess and make recommendations on ARP System Requests.

**Target: Database/Technology interoperability**

Improve interoperability plan between ARP database and dashboards

**Target: Technology request form**

Implement use of standardized electronic technology request form for new technology.

**Activity: Modernization of the Airport Data Information Program (ADIP)**

Consolidate modules and implement improvements to the ADIP.

**Target: Runway Airspace Management Tool**

Continue to develop the Runway Airspace Management tool in ADIP that includes but is not limited to the development of the Obstacle Action Plan.

**Target: Apply ISO 9001 criteria to ADIP's Quality Management System (QMS)**

Apply ISO 9001 criteria to the Airport Data & Information Portal's (ADIP) Quality Management System (QMS), to include the first ISO 9001 internal audit.

**Target: Aeronautical Surveying and Data Standards**

Continue coordination and review of Draft Aeronautical Surveying and Data Standards with internal and external stakeholders.

**Target: Airport Data Manager module**

AAS-120 will continue to draft revisions to AC150/5300-19 incorporating requirements of Airport Data Manager (ADM) module.

**Activity: Grant Administration Efficiency**

Evaluate and implement, as appropriate, the efficiency recommendations

**Target: SOAR Grant Announcement List/Tool**

Finalize implementation of a dynamic Grant Announcement List/Tool internal to SOAR.

**Target: Grant Document Index Automation**

Review the implementation plan and work with the SOAR Transformation team to Auto-generate the correct index for a given AIP project.

**Target: SOAR Enhanced Grant Tracking**

Review and implement new capabilities in SOAR to produce the 3-year ACIP, manage the discretionary candidate list (DCL), and automate the justification process.

**Target: State Block Grant Program (SBGP) Tracking Tool**

Review Airports External Portal (AEP) access to SOAR for SBGP States. Determine data needs/IT compatibility. Develop plan for integration of SBGP states in AEP.

**Target: Improve SOAR Buy American waiver forecasting, submissions, and reporting. External orientation and education**

Initiate case and action research Buy American oversight across RO/ADOs to identify variances, identify best practices. Increase education to consultants, airport sponsors, manufacturers, and contractors. Research and explore forecasting ability in SOAR of CIP to forecast project needs and develop Business Case models for AIP funded projects.

**Activity: Implement Records Management System**

Implement Records Management

**Target: Review/update ARP Records Management Plan**

Brief ARP Directorates on ARP Records Management plan

**Target: Ensure consistent management of ARP records and compliance with FAA Records Management policy**

Records Coordinators/File Coordinators complete FAA recommended training for recertification.

**Initiative: Airports Compliance Program**

Enhance the Office of Airports Compliance Program.

**Activity: Update Compliance Guidance**

Update Compliance Guidance

**Target: FAA 5190.6B Compliance Handbook Revision**

Publish FAA Order 5190.6C - Airport Compliance Manual.

**Target: Airport closures related to new entrants**

Form a working group to prepare guidance on airport closures related to new entrants.

**Target: Draft guidance for sponsor safety responsibilities**

In cooperation with AAS, draft guidance for safety responsibilities for airport sponsors.

**Target: Monitoring Airport Business Trends**

Track and create periodic reports on international governance and access trends for ARP Management.

**Target: Develop airport financial review guidance**

Develop guidance for identifying airports for onsite financial review, determining scope of review, and target of review.

**Activity: Improve compliance tools and resources**

Improve compliance tools and resources to increase program efficiency

**Target: FAA Order 5190.2R Guidance**

Prepare guidance on the use and maintenance of HALO

**Target: Certification Activity Tracking System (CATS) Upgrade**

Enhance the accuracy of the sponsor's reporting of CATS Forms by performing periodic assessments to determine abnormal entries, timely submittal, and a complete reporting population.

**Target: Compliance Database Enhancements**

Implement ACAS (Airport Compliance Activity Suite) case management system to track Part 16

**Target: Compliance Database Enhancements**

Conduct quarterly reporting of ACO database usage, including a geographic analysis of compliance issues and complaints.

**Initiative: Runway Pavement Maintenance**

Ensure airport infrastructure is kept in a safe and serviceable condition through capital improvements and airport inspections.

**Activity: Ensure runway pavement is kept in a safe and serviceable condition**

Maintain eligible runway pavement in Excellent, Good, or Fair condition



**Target: Ensure runway pavement is kept in a safe and serviceable condition**

Maintain eligible runway pavement in Excellent, Good, or Fair condition (based on visual inspections) for 93% of the paved runways in the National Plan of Integrated Airport Systems.

## Agile Services across the NAS

Develop a comprehensive and agile set of requirements and processes to integrate traditional and emerging users of the National Aerospace System and to evaluate appropriate infrastructure and operational needs of any given facility or airspace.

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**Initiative: Airport Technology & Infrastructure Research**

Conduct Airport Technology & Infrastructure research to assess and improve the infrastructure at airports and spaceports across the National Airspace System (NAS).

**Activity: Test Alternative Airport Firefighting Agents**

Current airport firefighting agents are very effective to fight fires, but they contain chemicals that may be a health hazard. The FAA will continue to partner with the Department of Defense to support a transition to PFAS-free extinguishing agents.

**Target: Fluorine-Free Foam (FFF) fire agents testing**

Complete large scale Compressed Air Foam (CAF) testing of fluorine-free foams.

**Activity: Evaluate Performance of Solar Lighting in Airports**

Research solar lighting performance and innovative pavement materials.

**Target: Evaluate solar fixtures in various regions**

Analyze and report on performance of the solar fixtures installed at Cape May, NJ, Penn Yan, NY, Casa Grande, AZ and Olympia, WA.

**Target: Evaluate solar fixtures in various regions**

Initiate research to use the LED Electrical Infrastructure Research Team (EIRT) results to begin looking at a holistic solar-powered airfield lighting system.

**Activity: Innovative Pavement Research**

Conduct research on innovative pavement materials that may reduce carbon emissions and improve pavement longevity.

**Target: Improve pavement performance prediction models**

Update ProFAA software to include multiple bump roughness criteria for in-service pavements.

**Target: Improve pavement performance prediction models**

Deliver PANDA-AP (Pavement Analysis using Nonlinear Damage Approach for Airports) software for pavements and pavement materials.

**Target: Improve pavement performance prediction models**

Develop web-based Life Cycle Assessment tool for quantifying environmental impacts of airport pavement construction projects.

**Initiative: Infrastructure requirements for new/emerging entrants**

Evaluate infrastructure requirements for new/emerging entrant integration to the US system of airports

**Activity: Future Vertiports**

Investigate and plan for the design of future vertiports.

**Target: Operational vertical take-off and Landing (VTOL) Test Data**

Continue operational test data collection from VTOL aircraft manufacturers representative of one or more powered lift performance categories.

**Target: AAM Industry Engagement**

Provide technical and programmatic support for DOT and FAA AAM initiatives including DOT's AAM Interagency Working Group and Innovate 28 Initiatives.

**Target: Autonomous vehicles technologies for airfield applications**

Identify initial policy and guidance needs to support the safe integration of automated vehicle technologies on airfields.

**Target: Future Droneports/ UAS use of existing infrastructure**

Investigate and plan for the design of future droneports.