

FY 2020 APL Business Plan



Safety

Reduce Aviation and Commercial Space Transportation-Related Fatalities and Serious Injuries in Commercial and General Aviation.

Systemic Safety Approach

Mitigate risks and encourage infrastructure and behavior change by using a data-driven systemic safety approach to identify risks, enhance standards and programs, and evaluate effectiveness.

Initiative: Global System Safety

Lead global aviation safety by sharing data and information, FAA best practices, and risk management approaches through effective internal and external collaboration, leveraging FAA expertise in international forums, and promoting harmonization with FAA concepts, rules, and procedures.

Activity: Certification.

Facilitate the acceptance of FAA certification and approvals abroad. Increased harmonization with FAA aerospace safety standards provides increased opportunities to enable the acceptance of FAA certifications and approvals abroad through bilateral agreements for reciprocal acceptance. Facilitating the acceptance of FAA certifications and approvals when there are minimal regulatory differences can provide opportunities to reduce redundant regulatory activity and improve safety and efficiency of international operations.

Target: Brexit Department of Transportation, the Department of State, and the National Security Council Collaboration

In anticipation of a possible UK/EU Transition Period, work with the Department of Transportation, the Department of State, and the National Security Council to make sure that the appropriate legal mechanisms are in place to allow the FAA to reciprocally accept safety oversight/certification of UK carriers, products, services, etc.

Target: Post-Brexit Agreement Implementation - MIP

Implement the completed Maintenance Implementation Procedures (MIP) appropriate to the UK's association with EASA post-Brexit and notify industry/appropriate partners within 72 hours of the UK's exit from the EU.

Target: Post-Brexit Agreement Implementation - IPA

Implement the completed Implementation Procedures for Airworthiness (IPA) appropriate to the UK's association with EASA post-Brexit and notify industry/appropriate partners within 72 hours of the UK's exit from the EU.

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Target: Brexit Agreement – SIP

If, as the result of Brexit, the UKCAA no longer has a formal relationship with EASA, determine if the UK agrees to update the Simulator Implementation Procedures (SIP) under the US – UK BASA. If the UK concurs, develop a schedule to draft and complete the agreements.

Target: Post-Brexit Contingency Planning

If the UK's status under the US-EU Safety Agreement is extended due to a transition period, within 90 days of official notification, provide a proposal to the UK to re-baseline FAA-UK contingency planning and update the framework with new milestones and timelines.

Target: Post-Brexit - ATM

Within 90 days of UK's exit from the EU, assess the status of the UK's association in Single European Sky and in the Single European Sky Air Traffic Management (ATM) Research (SESAR), and determine if air traffic modernization agreements between the FAA and the UK need to be updated once the UK leaves the European Union.

Target: Post-Brexit Impact Assessment

Within 90 days of the date of exit, review the US/EU Safety Agreement and implementing documents to determine if changes are needed, and prepare any necessary adjustments.

Target: US-EU Maintenance Annex

Sign the Bilateral Oversight Board (BOB) Decision to delete Appendix 2 from the Maintenance Annex, within 30 days after notification by the EU, of completion of the EU required coordination procedures.

Target: US-EU Flight Simulation Training Device Annex

Sign the BOB Decision to adopt the Flight Simulation Training Device Annex to the US-EU Safety Agreement within 45 days of completing the language authentication process with the Department of State.

Target: US-EU Pilot Licensing Annex

Sign the BOB Decision to adopt the Pilot Licensing Annex to the US-EU Safety Agreement within 45 days of completing the language authentication process with the Department of State.

Target: EASA Fees

Within 45 days of the completion of the EU internal coordination process, sign the Bilateral Oversight Board (BOB) Decision to reintroduce the 5% fee reduction for all products, and include reductions for all "basic" design changes.

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Target: FAA-EASA 2020 International Aviation Safety Conference Description:

In collaboration with EASA, industry, and other global safety partners, conduct the FAA-EASA 2020 International Aviation Safety Conference

Activity: Continued Operational Safety

Promote FAA principles and practices in safety management, including oversight, surveillance, and the management of safety risk, worldwide. Promoting FAA best practices in area such as data collection and analysis, and risk assessment and mitigation development, will support increased global harmonization in standards, certification, and further FAA leadership in international safety management efforts, as well as potentially aid in identifying improvements to the FAA Compliance Program and Safety Management System.

Activity: Promote International Safety

Promote global harmonization with U.S. aerospace safety standards, regulations, and policies with the aim of reducing redundant regulatory activity. Must complete all 3 targets.

Target: International Engagement Approach for Runway Safety and Airport Certification/Inspection

Develop a cross-LOB process to prioritize FAA's international engagement on runway safety and airport certification/inspection with States and/or Regions of strategic interest to the U.S. to improve aerodrome-related safety.

Target: FAA Best Practices for Runway Safety and Airport Certification/Inspection

Conduct at least two (2) international events on runway safety, airport certification/inspection, or technical training exchanges to showcase FAA best practices that could lead to improvements in foreign aerodrome safety.

Activity: Multi-Year International Strategy

In support of the Administrator's priority goal to reaffirm U.S. global leadership and influence, complete the following target designed to improve global system safety and efficiency for U.S. stakeholders, safely and efficiently integrate innovative and emerging technologies, minimize aviation's environmental impact, and enhance FAA's strategic international training capabilities.

Target: Establishment of a Multi-Year FAA International Strategy. (OSI/M)

Establish a multi-year FAA International Strategy including objectives and data-informed metrics to improve international system safety and efficiency, and initiate at least two enhanced global leadership activities in support of the new strategy to promote strategic partnerships in training and technical assistance.

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Target: Global Leadership (CSTI) -Establishment of a Multi-Year FAA International Strategy

Establish a multi-year FAA International Strategy including objectives and data-informed metrics to improve international system safety and efficiency, and achieve at least three enhanced global leadership activities in support of the new strategy to promote strategic partnerships in training and technical assistance.

Initiative: Surface Safety Risk Reduction

AJI will utilize the surface safety metric to: Establish consensus among Runway Safety stakeholders on a policy to assess and quantify the risk in runway safety events. Address precursors, as well as latent risks by proactively providing event trend summaries and best practices to the field.

Activity: ARA Support of Surface Safety Risk Reduction

Through corporate leadership and collaboration, ARA provides real-time advocacy, and integration activities related to identifying issues and solutions that will reduce the risk of all runway incursions and surface incidents.

Target: ARA-HQ Support of Surface Safety Risk Reduction

ARA-HQ Support of Surface Safety Risk Reduction: Conduct quarterly Regional Council meetings and achieve a minimum of 90% participation by appropriate LOBs (ATO, AVS, ARP and ARA). Identify 100% of national concerns raised by the Regional Councils and present to ATO Vice President of Safety.

Infrastructure

Invest in Infrastructure to Ensure Safety, Mobility, and Accessibility and to Stimulate Economic Growth, Productivity and Competitiveness for American Workers and Businesses.

Project Delivery Planning Environment Funding and Finance

Facilitate expanded infrastructure development, modernization, and construction in both rural and urban communities by fostering more efficient and collaborative planning and construction techniques, accelerating project approval, leveraging all sources of funding, and promoting innovative financing while maintaining environmental stewardship.

Initiative: NextGen

Support National Airspace System (NAS) modernization and evolution through infrastructure improvements, technology, information sharing, and community engagement.

Activity: Environmental Review Processes

Streamline and improve the environmental review process to make informed decisions more quickly and efficiently and provide for a more predictable, transparent and timely Federal review and authorization process.

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Target: Percent of Major FAA Owned Projects Posted on Permitting Dashboard that are on Schedule

Achieve on-Schedule performance for 90% of FAA-led Major Transportation Projects.

Target: Average Time to Complete Environmental Review for Major FAA owned projects

Reduce the average time to complete environmental reviews for major transportation projects to 36 months.

Activity: Community Engagement and Noise

Develop a procedural communication campaign that results in better coordination and collaboration across lines or business, staff offices and stakeholders to address a wide range of concerns including aircraft noise.

Target: Noise Screening Tool

Continue to enhance community engagement, including through improved noise screening tools. Develop a requirements document for an updated noise screening tool.

Initiative: Noise Abatement

Reduce the number of people exposed to significant noise around U.S. airports in absolute terms, notwithstanding aviation growth, and provide additional measures to protect public health and welfare and our national resources.

Activity: Noise Understanding

Advance understanding of aviation noise through research and tool development to characterize source level emissions, rulemaking, and performance tracking.

Target: Noise Understanding

Update FAA noise plans.

Target: Noise Understanding

Reduce the U.S. population exposed to significant aircraft noise around airports to no greater than the CY19 number in persons in calendar year 2020.

Target: Noise Understanding

Conduct research and tool development to characterize source level noise, its propagation and impacts as well as associated metrics.

Target: Noise Understanding

Advance understanding of health and welfare impacts of aviation noise.

Target: Noise Understanding

Innovation through enabling global supersonic flight.

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Target: Noise Understanding

Advance international collaboration and coordination of noise certification

Target: Noise Understanding

Advance internal and stakeholder coordination regarding aircraft noise.

Target: Noise Understanding

Develop Response to Comments for NPRM titled Special Flight Authorization for Testing Supersonic Aircraft (Part 91.818) by June 30, 2020

Activity: Aviation Environmental Tool Suite Development

Develop and validate Aviation Environmental Tool Suite.

Target: Aviation Environmental Tool Suite Development

Release AEDT3c and advance capabilities in future releases of AEDT

Target: Aviation Environmental Tool Suite Development

Assess environmental benefits of new aircraft technologies, including those being matured in the CLEEN program, at the aircraft and fleet levels.

Activity: Explore Lower Noise Aircraft Operations

Explore and develop operational procedure concepts that could reduce community noise exposure.

Target: Explore Lower Noise Aircraft Operations

Explore and develop aircraft operational procedure concepts that could reduce community noise and quantify their environmental benefits.

Target: Explore Lower Noise Aircraft Operations

Identify means to facilitate FAA implementation of operational procedure concepts that could reduce community noise.

Target: Explore Lower Noise Rotorcraft Operations

Explore and develop rotorcraft operational procedure concepts that could reduce community noise.

Initiative: Emissions Abatement

Achieve a reduction of air quality impacts attributable to U.S. civil aviation.

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Activity: Emissions Understanding

Advance understanding of aviation emissions through research and tool development to characterize source level emissions, rulemaking, and performance tracking.

Target: Emissions Understanding

Update FAA aviation emissions plan.

Target: Emissions Understanding

Advance characterization of aircraft landing and takeoff emissions, with an emphasis on particulate matter emissions.

Target: Emissions Understanding

Advance analyses that support supersonic engine and aircraft emissions certification standards.

Target: Emissions Understanding

Track and report the National Airspace System-Wide fuel consumption for domestic operations by 2020 based on a 2005 baseline. Each year leading up to 2020, the goals for annual fuel consumption for domestic (US States and territories) operations to not exceed the 2005 baseline fuel consumption of 42.1 teragrams (Tg) of jet fuel.

Target: Emissions Understanding

Conduct research and tool development to characterize emissions, their transformation and impacts as well as associated metrics.

Target: Emissions Understanding

Conduct domestic rule making to promulgate the new international Airplane Fuel Efficiency (a.k.a. CO₂) standard. Assist EPA with their rule making for this standard.

Target: Emissions Understanding

Track National Airspace System Energy Efficiency.

Initiative: FAA Environmental Policy Development

Provide expert FAA environmental policy guidance and advice for consideration in FAA decisions and actions.

Activity: Advise AEE and Senior FAA Leadership with respect to environmental policy issues.

Provide expert policy guidance and advice to AEE and Senior FAA leadership on NEPA and other environmental laws, regulations, and Executive Orders. Strengthen coordination across Lines of Business and with stakeholders.

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Target: Advise AEE and Senior FAA Leadership with respect to environmental policy issues.

Provide expert policy guidance and advice to AEE and Senior FAA leadership on NEPA and other environmental laws, regulations, and Executive Orders.

Target: Advise AEE and Senior FAA Leadership with respect to environmental policy issues.

Strengthen coordination across Lines of Business and with stakeholders.

Target: Advise AEE and Senior FAA Leadership with respect to environmental policy issues.

Provide expert policy, guidance, advice and support on ANCA applicability and policy issues.

Activity: Advise AEE and Senior FAA Leadership with respect to commercial air tour environmental policy issues in National Parks.

Provide expert FAA policy guidance, advice, and support on the National Parks Air Tour Management Act and Grand Canyon Over flights Act in order to streamline the environmental review process to deliver FAA projects, both large and small, more quickly and efficiently to provide timely benefits to users while safeguarding our communities and maintaining a healthy environment.

Target: Advise AEE and Senior FAA Leadership with respect to commercial air tour environmental policy issues in National Parks.

Support the pursuit of Air Tour Voluntary Agreements and Air Tour Management Plans for FAA/NPS agreed upon list of National Parks.

Initiative: Environmental Review

Provide policy, oversight and support on the requirements of the National Environmental Policy Act (NEPA) and related environmental reviews.

Activity: Permitting Dashboard

Institutionalize use of the Permitting Dashboard to improve accountability and transparency.

Target: Permitting Dashboard

Add and update projects on DOT's Permitting Dashboard.

Target: Permitting Dashboard

Hold quarterly check-ins with Permitting Dashboard Work Group to ensure projects are uploaded and maintained.

Activity: Environmental Review Guidance

Develop and revise guidance as necessary to reflect current requirements and best practices.

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Target: Environmental Review Guidance

Develop updates and revisions to Order 1050.1F.

Target: Environmental Review Guidance

Provide input on revisions to CEQ regulations and guidance to LOBs on the implications of any proposed changes.

Target: Environmental Review Guidance

Consult with Tribes to finalize Tribal Consultation Handbook.

Activity: Environmental Review Support

Provide ongoing support to LOBs on individual actions requiring environmental review.

Target: Environmental Review Support

Support FAA and LOB compliance with Section 106 of the National Historic Preservation Act.

Target: Environmental Review Support

Support LOB consultation with tribes on environmental and other issues.

Target: Environmental Review Support

Provide support on wildlife management, habitat and water resources.

Initiative: Community Engagement

Support agency goals to implement mission critical projects, such as Performance Based Navigation (PBN) procedures and capacity enhancement projects, by facilitating community engagement. Regional Administrators have established relationships and contacts with a wide range of aviation stakeholders and can play a significant role in facilitating engagement efforts and constructive local level dialogue. This provides a forum for conveyance of agency plans and goals, creates an opportunity for timely stakeholder input, and provides a platform for FAA to address known stakeholder concerns

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Activity: ARA Executive Outreach Program

Promote and accurately describe agency goals and emerging issues through outreach presentations that include congressional offices, civic, and industry organizations. Promotion includes clear descriptions of agency programs, reinforcement of current information on NextGen and other emerging issues including Noise, Unmanned Aircraft Systems (UAS), Performance Based Navigation (PBN) and various Metroplex projects. Regional engagement goals include resolution of all inquiries and concerns at the lowest appropriate level.

Target: Targeted Engagements

The collective Regional Administrators' teams will conduct 600 regionally targeted engagements with one of the following entities; civic organizations, local government, state government, federal congressional offices, highly visible industry, military, or other government officials. Qualified officials include the state Secretary of Transportation, airport directors, state aviation directors and congressional staff (Federal/State) to increase awareness of key aviation priorities. The applicable forums include conferences, meetings, trade shows, video telcons, or webinars. Topics should include Noise, NextGen, Unmanned Aircraft Systems (UAS), Commercial Space, Airport/Airspace, Automatic Dependent Surveillance-Broadcast (ADS-B), Northeast Corridor Initiatives, runway safety, or law enforcement. Meetings may be conducted in person or by other technological means.

Activity: Runway Safety

Work with FAA LOB/SO and Runway Safety Team to support mitigation efforts for surface safety issues

Target: Identification of Priority and Core 30 Airports

The Regional Administrators' teams will work collaboratively with Airports (ARP), Aviation Safety (AVS) and the Air Traffic Organization (ATO) to determine which airports have the highest hazard risk as it relates to surface safety and establish a list of Priority and Core 30 Airports. Considerations will include rates per operation as well as actual total numbers. This list will be used to identify required Regional Administrator/Deputy Regional Administrator participation at Runway Safety Action Team (RSAT) meetings.

Target: Runway Safety Action Team (RSAT) Meetings

The collective Regional Administrators' teams will attend 80% of the Runway Safety Action Team (RSAT) meetings on the combined national list of Priority and Core 30 Airports in FY-20. Through this engagement, the Regional Administrator and/or the Deputy Regional Administrator will facilitate cross organizational involvement in identifying and addressing existing safety risks.

Life Cycle and Preventive Maintenance

Keep the Nation's transportation infrastructure secure and in a state of good repair by maintaining and upgrading existing systems in rural and urban communities.

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Initiative: Resiliency Planning

Provide expert advice and support for ensuring the ability of FAA's assets to withstand extreme weather events.

Activity: Resiliency Planning

Provide strategic planning for NAS infrastructure resilience.

Target: Resiliency Planning

Participate in Department of Transportation meetings and provide input to the development of guidance and reports.

Target: Resiliency Planning.

Provide support to LOBs on individual resiliency projects as needed.

System Operations and Performance

Enhance reliable and efficient movement of people and goods by promoting effective management and ensuring leadership in securing data and in sharing information across the transportation system.

Initiative: Global Leadership

As the global leader in aviation, the FAA must engage internationally to increase compliance with international standards and enhance aviation safety and efficiency. With the U.S. economy and traveling public relying so heavily on global air transportation, we are more committed than ever to strengthening our global leadership and engagement. The FAA's global leadership is critical to achieving U.S. aviation goals and supporting broader national priorities.

Activity: Enhance U.S. Global Leadership and Presence Internationally

Enhance U.S. Global Leadership and presence internationally and advance U.S./DOT/FAA goals and priorities through collaborative, data-informed global and regional engagement. Must complete all targets

Target: Establish the Caribbean Aviation Resilience and Recovery Group

Establish the Caribbean Aviation Resilience and Recovery Group to support civil aviation disaster preparedness, resiliency, and response in areas affected by natural disasters

Target: Promote Safety and Efficiency Improvements in Southeast Asia

Promote safety and efficiency improvements in Southeast Asia by leveraging engagement with the Association of Southeast Asian Nations (ASEAN) Member States to address priority needs in a region with a rapidly growing aviation sector. Accomplish this via completion of a minimum of two (2) of the following: System Wide Information Management (SWIM) Demonstration (ANG); Airspace Redesign Workshop (ATO); Technical Roundtable on Unmanned Aircraft Systems (UAS) integration best practices (ATO, ANG, AVS); Air Traffic Flow Management Workshop (ATO).

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Activity: Promote U.S. Aerospace Goals and Principles for Innovative and Emerging Technology

Promote U.S. aviation cybersecurity positions, programs and best practices through outreach both domestically and to the global aviation community on cyber threats, vulnerabilities, and resultant risk across the aviation ecosystem. Must complete all 3 targets.

Target: International Engagement Approach for U.S. Aviation Cybersecurity.

Information Sharing and International Engagement Approach for U.S. Aviation Cybersecurity: Conduct a study on FAA information sharing across the Aviation Ecosystem, including a cross-FAA process to prioritize the agency's international engagements. Deliver results of the study to the FAA Cybersecurity Steering Committee.

Target: International Cyber Engagement

Conduct at least two (2) international exercises or events to promote a common understanding of cyber threats, vulnerabilities, and resultant risk across the aviation ecosystem, while leveraging existing U.S. government and FAA cybersecurity and operational resources and mechanisms.

Target: ICAO Cyber Security "Train the Trainer" Workshop

ICAO Cyber Security Workshop: Conduct an ICAO Cyber Security "Train the Trainer" Workshop to teach ICAO staff how to formulate and execute cyber security tabletop exercises so ICAO can proliferate U.S. best practices globally.

Activity: Exert Global Leadership at ICAO

Exert leadership at ICAO to promote alignment with U.S./DOT/FAA policy and priorities through enhanced information sharing and awareness, and development of coordinated positions and messages.

Target: Noise and Emissions Outreach For Civil Supersonic Aircraft

Conduct at least three outreach activities to build international support to complement the noise and emissions technical work being done at ICAO that will enable the future entry of civil supersonic aircraft into the global fleet.

Target: Identify Priorities from the ICAO 40th Assembly

Identify outcomes from the 40th Assembly and receive endorsement as necessary by the International Advisory Board (IAB) within 90 days of the assembly conclusion, and implement an action plan, which will include regional and bilateral outreach, to promote, advance, and secure FAA's top objectives relating to safety, air navigation, and emerging issues.

Initiative: Ensure Aviation Growth While Addressing Environmental Impacts

Lead the development and global acceptance of cost-beneficial environmental standards and policies that enable the U.S. aerospace industry and airlines to grow internationally without restrictive regulations while addressing environmental impacts.

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Activity: Global Environmental Leadership

Work Bilaterally with other States and within ICAO to progress international environmental initiatives in line with U.S. priorities and objectives.

Target: Global Environmental Leadership

Work with key aviation countries, stakeholders, and ICAO to support the development and implementation of CORSIA.

Target: Global Environmental Leadership

Work with key aviation countries to support continued progress on environment at the International Civil Aviation Organization (ICAO), including actions agreed to at the 2019 ICAO 40th Assembly.

Target: Global Environmental Leadership

Support the implementation of alternative fuels in CORSIA.

Target: Global Environmental Leadership

Prepare the USG response to ICAO State Letter associated with ICAO Annex 16 (SL 2019-42, 2019-43, 2019-44)

Activity: Operations and Performance/Global Leadership]

Manage international environmental agreements.

Target: Operations and Performance/Global Leadership

Implement and maintain existing international agreements focused on environment (e.g. collaboration, research and development)

Activity: Operations and Performance/Global Leadership] CANSO

Provide U.S. leadership to international efforts at CANSO through exchange of information and best practices with international partners to develop efficient and environmentally-sustainable air traffic systems operations.

Target: Operations and Performance/Global Leadership] CANSO

Attend regularly scheduled CANSO meetings of the Operations and Environment Work Group.

Initiative: Operational Initiatives

As identified with industry stakeholders, continue implementing operational initiatives at the New York Metropolitan airports.

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Activity: Capacity Optimization Initiatives - Stakeholder Support

Provide economic/policy support to senior FAA management regarding use of slots to allocate scarce airport capacity.

Target: As requested

As requested, provide preliminary economic/policy analysis regarding FAA's slot allocation program and the implications on airport capacity and efficiency within 90 days of initial request. Subsequent analyses to be provided within 30 days subsequent requests

Activity: NY Operational Initiative

As identified with industry stakeholders, continue implementing operational initiatives at the New York Metropolitan airports.

Target: Support PANYNJ runway rehabilitation and taxiway improvements

Support PANYNJ runway rehabilitation and taxiway improvements at John F. Kennedy International Airport (JFK) to help minimize equipment and operational impacts including installation of 13L PAPI, 31R MALSR and 13L ILS shelters. Track and complete all critical path Integrated Master Schedule (IMS) activities in support of returning JFK R/W 13L/31R to service in November.

Target: Ensure publication of procedure to improve safety at JFK.

Ensure publication of procedure to improve safety at JFK. Track and support completion of all critical path Integrated Master Schedule activities in support of JFK 13L RNAV (GPS) Z.

Due December 12, 2019.

Target: Ensure timely delivery of FY20 Delay Reduction initiatives

Ensure timely delivery of all FY20 Delay Reduction initiatives captured in the Integrated Master Schedule (IMS) through efforts of the New York Area Program Integration Office (NYAPIO) Matrix team. The IMS activities will be updated monthly. Executive level status briefings will be provided quarterly or as requested by majority stakeholder lines of business. Due September 30, 2020

Economic Competitiveness and Workforce

Enhance reliable and efficient movement of people and goods by promoting effective management and ensuring leadership in securing data and in sharing information across the transportation system.

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Initiative: CORSIA (Domestic)

Competitiveness/Workforce (Objective) - Support expanding market opportunities and competitiveness of U.S. airlines through domestic implementation of CORSIA Standards and Recommended Practices (SARPs)

Activity: CORSIA (Domestic)

Develop prototype CORSIA Data Management System (CDMS) to enable necessary reporting.

Target: CORSIA (Domestic)

Finalize testing of prototype CDMS with emissions reports to ensure usability

Target: CORSIA (Domestic)

Refine Mature prototype to operational version (i.e., "v1.0") to enable reporting and management of emissions reports with industry partners.

Innovation

Lead in the Development and Deployment of Innovative Practices and Technologies that improve the Safety and Performance of the Nation's Aviation System.

Development of Innovation

Encourage, coordinate, facilitate, and foster world-class research and development to enhance the safety, security, and performance of the Nation's transportation system.

Initiative: Continuous Lower Energy Emissions and Noise (CLEEN) Program

Advance the maturation of aircraft technologies to reduce fuel burn, emissions and noise, and introduce these technologies into service by 2026. Mature quieter, cleaner and more fuel efficient aircraft technologies via the second phase of the Continuous Lower Energy Emissions and Noise Program (CLEEN II).

Activity: Accelerate Aircraft Technology Maturation

Identify innovative opportunities to better use flight management technologies for noise abatement procedures.

Target: Accelerate Aircraft Technology Maturation

Prepare for and perform high-level ground or flight tests and demonstrations of CLEEN II technologies that reduce noise, fuel burn and emissions.

Activity: Assess Benefits of Aircraft Technology Maturation

Model the aircraft technologies under Continuous Lower Energy Emissions and Noise Program (CLEEN II) to assess their benefits with respect to noise, emissions and noise

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Target: Assess Benefits of Aircraft Technology Maturation

Assess environmental benefits of new aircraft technologies, including those being matured in the CLEEN program, at the aircraft and fleet levels.

Activity: Accelerate Aircraft Technology Maturation

Begin executing the third phase of the Continuous Lower Energy Emissions and Noise Program (CLEEN III).

Target: Accelerate Aircraft Technology Maturation

Finalize the ASRB process for the third phase of the Continuous Lower Energy Emissions and Noise Program (CLEEN III).

Target: Accelerate Aircraft Technology Maturation

Obtain CFO approval for the third phase of the Continuous Lower Energy Emissions and Noise Program (CLEEN III).

Initiative: UAS NAS Integration.

Provide expert FAA environmental policy guidance, advice, and support on UAS integration in order to strengthen coordination across Lines of Business and with stakeholders.

Activity: Advise AEE and Senior FAA Leadership with respect to UAS integration environmental policy issues.

Provide expert FAA environmental policy guidance, advice, and support on UAS integration in order to strengthen coordination across Lines of Business and with stakeholders.

Target: Advise AEE and Senior FAA Leadership with respect to UAS integration environmental policy issues.

Provide expert environmental policy guidance, advice, and support for UAS rulemaking.

Target: Advise AEE and Senior FAA Leadership with respect to UAS integration environmental policy issues.

Coordinate AEE involvement in UAS decisions and actions involving noise, air emissions, tribal consultation, and other environmental impact concerns.

Target: Noise Understanding

Advance the research to create UAS Noise Certification methodologies.

Initiative: Alternative Jet Fuels

Characterize the environmental and economic sustainability of alternative jet fuels, and coordinate the advancement of certification and qualification of alternative jet fuels via ASTM International.

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Activity: Alternative Jet Fuels Development

Conduct research and tool development to characterize the environmental and economic sustainability of alternative jet fuels.

Target: Alternative Jet Fuels Development

Conduct environmental and economic sustainability and production potential analysis of alternative jet fuels.

Target: Alternative Jet Fuels Development

Conduct supply chain analyses to support the deployment of alternative jet fuels by industry.

Activity: Jet Fuel Certification and Qualification

Advance certification and qualification of alternative jet fuels via ASTM International.

Target: Jet Fuel Certification and Qualification

Secure ASTM International approval of additional "drop-in" alternative jet fuel pathways.

Target: Jet Fuel Certification and Qualification

Continue performance tests of additional "drop-in" alternative jet fuels pathways to ensure they are safe for use.

Target: Jet Fuel Certification and Qualification

Develop potential approaches to streamline ASTM International approval process.

Activity: Alternative Jet Fuel Development and Deployment

Advance development and deployment of alternative jet fuels.

Target: Alternative Jet Fuel Development and Deployment

Support development and deployment of alternative jet fuel through interagency and industry coordination via the Commercial Aviation Alternative Fuels Initiative (CAAFI).

Initiative: Advise AEE and Senior FAA Leadership with respect to updating FAA Policy on Supersonic Flights.

Provide expert policy advice and guidance with respect to updating FAA Policy on Supersonic Flights.

Activity: Advise AEE and Senior FAA Leadership with respect to updating FAA Policy on Supersonic Flights.

Provide expert FAA environmental policy guidance, advice, and support on Supersonic Flights.

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Target: Advise AEE and Senior FAA Leadership with respect to updating FAA Policy on Supersonic Flights.

Provide Expert FAA environmental policy guidance, advice, and support on Supersonic Flights.

Initiative: ASCENT Center of Excellence

Conduct research through the ASCENT Center of Excellence (a.k.a., the COE for Alternative Jet Fuels and Environment) to advance knowledge of noise and emissions to enable the development of cost effective mitigation solutions.

Activity: Report research progress

Complete annual report on the research conducted by the ASCENT COE

Target: Report research progress

Conduct Autumn Meeting with the ASCENT Advisory Committee to review research progress

Target: Report research progress

Complete annual report (FY 2019) on the research conducted by the ASCENT COE

Target: Report research progress

Conduct Spring Meeting with the ASCENT Advisory Committee to review research progress

Activity: Innovation via operations to reduce noise

Conduct research to identify innovative ways to reduce noise through operational procedure concepts

Target: Innovation via operations to reduce noise

Project 23: Analytical Approach for Quantifying Noise from Advanced Operational Procedures

Target: Innovation via operations to reduce noise

Project 38: Rotorcraft Noise Abatement Procedure Development

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Target: Innovation via operations to reduce noise

Project 44: Noise Reduction Analysis of Advanced Operational Procedures

Target: Innovation via operations to reduce noise

Project 49: Urban Air Mobility Noise Reduction Modeling

Activity: Innovation via technology to reduce fuel burn, noise, and emissions

Conduct research to identify technological innovation to reduce fuel burn, noise, and emissions

Target: Innovation via technology to reduce fuel burn, noise, and emissions

Project 10: Aircraft Technology Modeling and Assessment

Target: Innovation via technology to reduce fuel burn, noise, and emissions

Project 37: Continuous Lower Energy Emissions and Noise (CLEEN) II Aircraft Technology Modeling and Assessment

Target: Innovation via technology to reduce fuel burn, noise, and emissions

Project 41: Identification of Noise Acceptance Onset for Noise Certification Standards of Supersonic Airplane

Target: Innovation via technology to reduce fuel burn, noise, and emissions

Project 42: Acoustical Model of Mach Cut-off Flight

Target: Innovation via technology to reduce fuel burn, noise, and emissions

Project 47: Clean Sheet Aircraft Engine Design and Performance

Target: Innovation via technology to reduce fuel burn, noise, and emissions

Project 48: Analysis to Support the Dev of an Engine NVPM Emission Standard (MIT)

Target: Innovation via technology to reduce fuel burn, noise, and emissions

Project 50: Over-Wing Engine Placement Evaluation

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Target: Innovation via technology to reduce fuel burn, noise, and emissions

Project 51: Combustion concepts for next-generation aircraft engines to reduce fuel burn and emissions

Target: Innovation via technology to reduce fuel burn, noise, and emissions

Project 55: Noise Generation and Propagation from Advanced Combustors

Target: Innovation via technology to reduce fuel burn, noise, and emissions

Project 56 Turbine Cooling Through Additive Manufacturing

Target: Innovation via technology to reduce fuel burn, noise, and emissions

Project 57: Support for Supersonic Aircraft Noise Efforts in ICAO CAEP

Target: Innovation via technology to reduce fuel burn, noise, and emissions

Project 59: Jet Noise Modeling to Support Low Noise Supersonic Aircraft Technology Development

Activity: Innovation via fuels to reduce emissions

Conduct research on conventional and alternative jet fuels to ensure fuels are safe for use, streamline testing methods used to assess fuels, support inclusion of fuels in CORSIA, and identify means to reduce fuel costs

Target: Innovation in fuels to reduce emissions

Project 1: Alternative Jet Fuel Supply Chain Analysis - Regional Evaluations

Target: Innovation in fuels to reduce emissions

Project 1: Alternative Jet Fuel Supply Chain Analysis - CORSIA Support

Target: Innovation in fuels to reduce emissions

Project 39: Naphthalene Removal Assessment

Target: Innovation in fuels to reduce emissions

Project 25: Shock Tube and Flow Reactor Studies of the Kinetics of Jet Fuels (National Jet Fuels Combustion Program: Area #1)

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Target: Innovation in fuels to reduce emissions

Project 27: Advanced Combustion (National Jet Fuels Combustion Program: Area #3)

Target: Innovation in fuels to reduce emissions

Project 29: Atomization Tests and Models (National Jet Fuels Combustion Program: Area #5)

Target: Innovation in fuels to reduce emissions

Project 31: Alternative Jet Fuel Test and Evaluation to support the ASTM International Approval Process

Target: Innovation in fuels to reduce emissions

Project 33: Alternative Fuels Test Database Library

Target: Innovation in fuels to reduce emissions

Project 34: National Jet Fuels Combustion Program - Overall Program Integration and Analysis

Activity: Advance knowledge of aviation noise

Conduct research to further our understanding of aviation noise to enable development of cost-effective mitigation measures

Target: Advance knowledge of aviation noise

Project 3: Cardiovascular Disease and Aircraft Noise Exposure

Target: Advance knowledge of aviation noise

Project 8: Outreach Project

Target: Advance knowledge of aviation noise

Project 17: Pilot Study on Aircraft Noise and Sleep Disturbance

Target: Advance knowledge of aviation noise

Project 61: Noise Certification Streamlining

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Activity: Advance knowledge of aviation emissions

Conduct research to further our understanding of aviation emissions to enable development of cost-effective mitigation measures

Target: Advance knowledge of aviation emissions

Project 2: Re-Examination of Engine to Engine PM Emissions variability using an ARP Reference Sampling and Measurement System

Target: Advance knowledge of aviation emissions

Project 18: Community Measurements of Aviation Contribution to Ambient Air Quality

Target: Advance knowledge of aviation emissions

Project 19: Development of Aviation Air Quality Tools for Airport-Specific Impact Assessment: Air Quality Modeling

Target: Advance knowledge of aviation emissions

Project 22: Evaluation of FAA Climate Tools

Target: Advance knowledge of aviation emissions

Project 58: Improving Policy Analysis Tools to Evaluate Aircraft Operations in the Stratosphere

Activity: Advance knowledge to support AEDT development

Conduct research to develop future capabilities for the Aviation Environmental Design Tool (AEDT)

Target: Advance knowledge to support AEDT development

Project 36: Parametric Uncertainty Assessment for AEDT

Target: Advance knowledge to support AEDT development

Project 40: Quantifying uncertainties in predicting aircraft noise in real-world situations

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Target: Advance knowledge to support AEDT development

Project 43: Noise Power Distance Re-evaluation

Target: Advance knowledge to support AEDT development

Project 45: Takeoff / Climb Analysis to Support AEDT Aircraft Performance Module Development

Target: Advance knowledge to support AEDT development

Project 46: Surface Analysis to support Aviation Environmental Design Tool (AEDT) Development

Target: Advance knowledge to support AEDT development

Project 52: Comparative assessment of electrification strategies for aviation

Target: Advance knowledge to support AEDT development

Project 53: Validation of low exposure noise modeling by open source data management and visualization systems integrated with AEDT

Target: Advance knowledge to support AEDT development

Project 54: AEDT Evaluation and Development Support

Target: Advance knowledge to support AEDT development

Project 60: Analytical Methods for Expanding the AEDT Aircraft Fleet Database

Target: Advance knowledge to support AEDT development

Project 62: Noise Model Validation for AEDT

Deployment of Innovation

Accelerate and expand the deployment of new technologies and practices by reducing barriers to innovation and actively promoting innovations that enhance the safety and performance of the Nation's transportation system.

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Initiative: Remote Towers

The FAA will work with commercial vendors to support approval of Remote Tower Systems. These systems will potentially provide more cost effective solutions to traditional brick and mortar towers, especially for smaller rural communities.

Activity: Overarching Remote Towers

Work with ATO Technical Operations and Air Traffic Services to: 1) develop a strategy for long term Remote Tower integration into the NAS and 2) develop a documented process to achieve the approval to integrate Remote Tower systems as an option especially for smaller rural communities.

Target: Establish initial Business Case Model to apply Remote Towers for the Federal Contract Tower (FCT) program

Establish initial cost benefit model, including draft strategy to evaluate safety and efficiency benefits vs. cost, to apply Remote Tower technology at FCT airports operating in a VFR environment. Deliver initial Business Case document for Remote Tower systems at FCT airports. Due September 30, 2020. (APO Lead, ANG Support)

Initiative: Regions (ARA) Support for Northeast Corridor (NEC)

Support agency efforts to harness NextGen capabilities at focused implementation sites to improve infrastructure, schedule reliability, and reduce delays within the Northeast Corridor.

Activity: Support improvements in the Northeast Corridor

ARA will support outreach initiatives, provide program management support and coordination activities to assist in the prioritization of activities that support the Northeast Corridor Initiative. The Northeast Corridor includes Boston, NY, PHL and DC.

Target: Support improvements in the Northeast Corridor

Support improvements in the Northeast Corridor to reduce delays and improve schedule reliability. Work with the NextGen Internal Working Group (NIWG) and the NextGen Advisory Sub-Committee (NASC) and the FAA to identify issues, areas of improvement, and solutions to address concerns and prioritize activities. Integrate NY Metro projects into the IMS so as to minimize disruption to the NY Operation and to track and monitor timely completion of all FY20 IMS activities. Due September 30, 2020.

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Activity: Northeast Corridor Support NextGen Internal Work Group, NextGen Advisory Sub Committee and Community Engagement Officer

Participate in all NextGen Internal Working Group (NIWG) Meetings and the NextGen Advisory Sub-Committee (NASC) meetings as scheduled for FY20 and identify opportunities for community outreach to the Community Engagement Officer. Due September 30, 2020

Target: Northeast Corridor Support round tables and working groups

New York Area Program Integration Office (NYAPIO) will brief, at least quarterly, each Regional Administrator (Eastern - AEA and New England - ANE) regarding their participation in quarterly workshops, working groups or round tables that move forward priorities established by the FAA and NextGen Advisory Committee (NAC).

Accountability

Serve the Nation with Reduced Regulatory Burden and Greater Efficiency, Effectiveness and Accountability.

Regulatory Reform

Reduce current regulatory burdens and bureaucracy to ensure a safe, efficient, accessible, and convenient transportation system for people and commerce.

Initiative: Benefit Cost Analysis: Infrastructure Investments

Provide criteria and analysis to support agency investments in NAS infrastructure.

Activity: Benefit Cost Analysis of FAA Investments

As requested by the Office of Airports (ARP), review Airport Improvement Projects (AIP) applications and the supporting Benefit-Cost Analysis (BCA) of FAA investments.

Target: Complete reviews

Complete initial reviews of AIP BCAs (BCA) within 120 days of receipt. Final review will depend on the responsiveness of the airport sponsor in addressing initial comments.

Activity: Economic Evaluation of FAA Infrastructure and Services

Provide analysis to support the management of the contract tower program and to identify alternatives to existing low activity towers, including supporting other FAA lines of business in developing remote tower concepts.

Target: Conduct Annual BCA for Federal Contract Tower Program (Scheduled)

Conduct BCA once annually for all cost share participants, and full-share participants whose traffic drops by statutorily-defined levels, in the FAA Contract Tower Program.

Target: Support NextGen and Remote Tower Activity

Provide guidance to NextGen and ATO to develop policies for remote towers as they relate to the Federal Contract Tower program.

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Target: Support ATO

Document processes for data collection and reporting necessary for periodically updating BC ratios.

Initiative: Regulatory Evaluations: Regulatory Analysis and Support

At least 85% of the rules approved by the Rulemaking Management Council (RMC) should be out of the agency no later than 90 days of the scheduled date, unless re-baselined as approved by the RMC. For a rule, out of the agency is when the rule is sent to the Office of the Secretary of Transportation (OST). APO provides Regulatory Impact Analyses required in rulemaking. Provide timely and sound economic and statistical analysis and consulting for agency regulatory, and deregulatory projects.

Activity: Economic Evaluations and Support of Aviation Regulations

Perform economic analysis for agency rulemaking projects to promote a safe and efficient National Airspace System. Support FAA's performance goal of "reducing the regulatory burden on the transportation industry and public while still achieving safety standards" under Executive Order 13771 (EO 13771), Reducing Regulation and Controlling Regulatory Costs.

Target: Produce draft regulatory evaluations for Milestone 2

Produce draft regulatory evaluations for Milestone 2 (when draft rules and regulatory evaluations are due) within 90 days of Milestone 1 (formerly known as Preliminary Team Concurrence) for at least 85 percent of the priority strategic rulemaking projects approved by the Rulemaking Management Council that are RAMP-1-High urgency, high resource-demand rulemaking projects.

Target: : Produce regulatory evaluations

Produce regulatory evaluations that maintain FAA's EO 13771 regulatory budget compliance for FY20.

Target: Complete review of 14 CFR

Complete review of 14 CFR parts as scheduled in the DOT Semi-Annual Regulatory Agenda as required by Section 610 of the Regulatory Flexibility Act.

Target: Complete at least one post-review

Complete at least one post-review of a previously published regulation as required by statute.

Target: Certification Of Supersonic Airplanes

AOA concurrence of noise certification of supersonic airplanes.

Initiative: Policy Office Quality Management -Quality Management for Regulatory Analyses

Execute Quality Management Processes for Regulatory Analyses for agency Rulemaking projects.

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Activity: Execute quality management processes in APO-300

Update Quality Management Processes for Regulatory Analyses for agency Rulemaking projects.

Target: Based on available resources update QMS

Charter and kickoff the Continuous Improvement Team (QMS CIT) to identify areas of improvement for agency Regulatory Analyses based on lessons learned from DOT and OMB reviews and changes to rule making governance policies. The CIT will create action plans and implement changes on a quarterly basis.

Target: Develop and implement Regulatory Analysis Quality Checklists (QMS Checklists)

Develop and implement Regulatory Analysis Quality Checklists (QMS Checklists) for Rulemaking Milestones established in new FAA Rulemaking Governance Policy.

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

Utilize the EEO Action Committee (EAC) to collaborate and support a diverse and inclusive workplace with existing employee workgroups, LOBs/SO, to create an inclusive work environment.

Activity: APL Ensure a Diverse and Inclusive Workforce

- APL will complete activities that will foster a diverse and inclusive workplace and improve the Reasonable Accommodation interactive process.
- Assist in development of a diverse workforce at all levels. Increase the representation of Persons with Targeted Disabilities (PWTD), Hispanics, and Women in the workforce as compared to the civilian labor workforce (CLF).
- Provide EEO training to managers and employees.
- Managers engage in the mediation/facilitation process.

Target: Target 1: Reasonable Accommodations

Ensure 90% of APL's reasonable accommodation requests are processed within 25 business days or less.

Target: Target 2: Improve Participation/Outreach

Develop strategies to improve the representation of Persons with Targeted Disabilities (PWTD), Hispanics, and Women by providing resources and data analysis to LOB/SOs to increase the workforce as compared to the civilian labor workforce (CLF) and/or MD-715, Part J). These strategies will address hiring, training, career progression opportunities and will be deployed and tracked through the EAC Workgroups.

Target: Target 3: EEO Training

Monitor the delivery of EEO training to 70% of APL managers and 20% of APL employees.

Target: Target 4: Mediation

Ensure that 75% of all APL managers engage in mediation when requested by employees.

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Mission Efficiency and Support

Support mission requirements by efficiency and effectively planning for and managing human capital, finances, procurement, sustainable operations, information technology, emergency preparedness, and other mission support services.

Initiative: Environmental Professional Development

Provide training and professional development opportunities to FAA environmental protections specialists to help FAA achieve its goals.

Activity: Environmental Network

Manage Environmental Network.

Target: Environmental Network

Support Headquarters LOBs and Regional Offices by coordinating quarterly calls and disseminating information as appropriate.

Target: Environmental Network

Revise Order 1054.1A -- Environmental Network to reflect changes in FAA organization and enhance effectiveness of Environmental Network.

Activity: Environmental Forum

Host annual meeting of FAA environmental professionals.

Target: Environmental Forum

Plan and execute the annual Environmental Forum, incorporating feedback from past years.

Target: Environmental Forum

Complete post-Forum analysis and document lessons learned.

Activity: Environmental Training

Develop and provide training to FAA environmental professionals

Target: Environmental Training

Provide on-site NEPA training at each of the three Service Centers and one additional location

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Target: Environmental Training

Provide on-site Section 106 training at each of the three Service Centers and one additional location

Target: Environmental Training

Provide on-site environmental compliance training at each of the three Service Centers on recent changes to FAA Orders

Initiative: Environmental Management

Provide expert advice and support for management of FAA's assets in an energy efficient and environmentally-responsible manner.

Activity: Environmental Management System (EMS)

Provide technical direction, oversight and support to the FAA Environmental Management System.

Target: Environmental Management System (EMS)

Support and coordinate implementation of LOB EMSs by conducting or overseeing EMS External Audits.

Target: Environmental Management System (EMS)

Compile the EMS management review for FY-19.

Target: Environmental Management System (EMS)

Convene meeting of the EMS Steering Committee.

Target: Environmental Management System (EMS)

Finalize Order 1050.21A _ Environmental Management Systems consistent with EO 13834.

Activity: Energy Efficiency and Sustainability

Support energy-efficient and sustainable actions for FAA facilities through regular communication, coordination, and guidance for LOBs/SOs

Target: Energy Efficiency and Sustainability

Provide guidance and coordinate FAA efforts to plan and implement energy efficiency and conservation projects.

Target: Energy Efficiency and Sustainability

Document and report on FAA progress in meeting efficiency targets.

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Target: Energy Efficiency and Sustainability

Coordinate with OST to review guidance materials and respond to data requests from DOT, CEQ, OMB, and DOE.

Target: Energy Efficiency and Sustainability

Update Order 1053.1C to provide guidance on energy efficiency and sustainability requirements for FAA facilities that is consistent with EO 13834.

Activity: Environmental Compliance

Support FAA facilities managers by maintaining guidance on current regulations and best practices.

Target: Environmental Compliance

Update Order 1050.18 to provide guidance on use, handling and disposal of ozone-depleting substances consistent with current law.

Initiative: Mission Efficiency and Support--Program Performance

Provide technical assistance to Congress in response to requests for technical assistance and other inquiries to improve program performance by streamlining processes, improving systems, and maximizing employee performance, development, and engagement to make efficient and effective use of FAA resources.

Activity: Advise AEE and Senior FAA Leadership with respect to environmental policy issues.

Provide technical assistance to Congress in response to requests for technical assistance and other inquiries to improve program performance by streamlining processes, improving systems, and maximizing employee performance, development, and engagement to make efficient and effective use of FAA resources.

Target: Advise AEE and Senior FAA Leadership with respect to environmental policy issues.

Provide expert policy guidance, advice, applicability and issues when responding to Congressional inquiries.

Initiative: Contracting Opportunities for Small Businesses

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.

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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.

Target: APL - 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.

Initiative: Strategic and Business Planning: Strategic and Business Planning Development and Oversight

Enhance FAA's business planning, strategic planning, and performance management activities.

Activity: Support FAA Business Planning

Support FAA business planning.

Target: Provide Guidance on Strategic and Business Planning

Provide guidance on strategic and business planning procedures, obtain stakeholder input on the planning process, and support the user community through troubleshooting, training, and enhancement of processes and tools. Deliverable: Chair weekly/monthly LOB/SP Planners' meetings, facilitate, and help resolve challenges/issues raised by LOBs/SOs. Organize and run an annual Planners' Kick-Off meeting that address business planning direction and priorities.

Activity: Support DOT and FAA Strategic Planning and Performance Management

Support DOT and FAA strategic planning and performance management.

Target: Support Implementation for DOT & FAA Strategic Plans and Provide Performance Measures Oversight

Support implementation of the DOT and FAA Strategic Plans, involving DOT and FAA performance measurement and reporting. Deliverable: Collaborate with LOBs/SOs to complete DOT reports on-time and accurately; facilitate development of and delivery to OST of the FY2019-2020 ERM Register.

Target: Oversee the Development of the FAA Business Plan

Deliver FY2021 Business Planning support for FAA. Facilitate FY2021 business planning and communications through weekly business planner meetings and customer communications emails, formal and informal training sessions. Respond to business owner and business planner questions within 48 hours. Deliverable: Develop and deliver a Draft FY2021 FAA Business Plan.

Activity: Provide Computerized Planning and Performance Support

Support planning and performance activities with efficient and effective computer systems

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Target: Develop and Maintain SPIRE 2.1

Develop and maintain SPIRE 2.1 Strategic Business Management (SBM) module tool and the FEDTool dashboard capabilities, as well as agency-wide, user-friendly access to other selected data dashboards and content search of selected documents, facilitating business planning, strategic planning, performance management, and communications. Deliverable: Create follow-on development and technical support of SBM and FEDTool.

Activity: Develop the CARL (Consolidated Agency Resource Library)

The CARL will be the FAA's Information Technology search tool that allows senior executives and other key personnel to quickly access FAA authoritative information from all relevant FAA Lines of Business and Staff Offices (LOB/SO). APL and AIT in collaborate with all LOB/SOs to create, and then maintain, the CARL. All four targets must be met. Due September 30, 2020

Target: FAA Deputy Administrator and LOB/SO Deputy's support resourcing the CARL

FAA Deputy Administrator and LOB/SO Deputy's will ensure annual funding and resources are available to develop and maintain the CARL as an ongoing corporate application. Deliverable: System Development initially or fully funded.

Target: Support Development of Key Business Content of the CARL

Coordinate with all relevant LOB/SOs to ensure key appropriate content sources (e.g. data systems, SharePoint sites, dashboards) are identified and made available to the search tool, in a retrievable format, for the CARL. Deliverable: Complete list of content required for Phase 3 of CARL reported to the CARL development KSN.

Target: AIT to develop and implement the CARL (Consolidate Agency Resource Library)

AIT will work with APL and LOB/SO to develop and implement the first production release of CARL. Deliverable: Initial production release. Due September 30, 2020

Target: Work with all FAA LOB/SO to enable quality search results for the CARL

To ensure the CARL system meets its user needs, APL and AIT will work with the LOB/SOs to develop and implement Key Performance Indicators (KPI) for the CARL system. Deliverable: APL and AIT will conduct at least three quality assurance reviews to assess how Tableau dashboards and Search results meet the user needs.

Initiative: Management Staff Support

Provide a broad range of personnel, financial management, travel, transportation and logistical services for the APL organization as well as all the Regional Offices and FAA lines of business and staff offices in support of FAA's international programs.

Activity: Personnel Support

Provide personnel support to the APL organization, regional offices, and FAA's operations in foreign areas.

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Target: Target 1

Respond to FAA managers and employees within 1 business day and provide accurate information about human resource issues.

Target: Target 2

Track and issue monthly reminders to APL and ARA employees on mandatory FAA training requirements

Target: Target 3

Track and issue biweekly reminders to employees for LDR entries. Maintain at least a 98% compliance rate.

Target: Target 4

Provide advice and guidance to employees seconded and detailed to International Civil Aviation Organization (ICAO) in support of Global Leadership Initiative.

Target: Target 5

Ensure completion of required security training (Access to Classified Information), both annual and situational, by all personnel in accordance with prescribed standards for appropriate levels of access. Annual audit and provide documentation of completed training to APL-1/2 and ARA.

Target: Target 6

Provide advice and guidance to managers and employees on performance management issues, and ensuring that 100% of employees receive a mid-year review and EOY final rating.

Activity: Finance and Training Support

Provide financial and acquisition support to the APL organization, regional offices, and FAA's operations in foreign areas. Support the registration of international students for resident training courses at the FAA Academy.

Target: Target 1

Respond to FAA managers and employees within 1 business day and provide accurate information about financial management issues.

Target: Target 2

Provide quarterly budget reviews to each of the APL and ARA office directors within three weeks of the close of each quarter.

Target: Target 3

Develop annual spending plans and cost estimates within established Office of Budget & Programs (ABP) deadlines throughout FY 2019.

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Target: Target 4

Close out international reimbursable agreements within 30 days of the activity conclusion.

Target: Target 5

Coordinate 100% of new Reception and Representation (R&R) requests within 2 business days of receiving request.

Target: Target 6

Complete previous month reconciliations within 5 business days of the beginning of the next month and maintain a monthly green status (>95%) in REGIS for APL and ARA.

Activity: Travel and Transportation Support

Provide travel and transportation support to the APL organization, regional offices, and FAA's operations in foreign areas.

Target: Target 1

Respond to FAA managers and employees within 1 business day and provide accurate information about travel and transportation issues.

Target: Target 2

Provide biannual reminders to FAA employees on international travel guidelines.

Target: Target 3

Forward all visa and passport applications for official travel within 1 day of receipt.

Target: Target 4

Ensure all courier actions are delivered within 1 business day to Department of State and Embassies.

Target: Target 5

Track and issue monthly reminders to FAA employees who have traveled internationally and have not obtained the required official passport or submitted an eCountry Clearance.

Activity: Logistical Support

Provide logistical support to the APL organization, regional offices, and FAA's operations in foreign areas.

Target: Target 1

Respond to APL managers and employees within 1 business day and provide accurate information about logistical issues.

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Target: Target 2

Work collaboratively with AIT Shared Services to ensure that the issuing, tracking, and disposing of accountable equipment in accordance with FAA's property management policies. Verify and maintain a 90% compliance rate that APL's accountable equipment is inventoried and input into the FAA's Automated Inventory Tracking System (AITS).

Target: Target 3

Work collaboratively with the designated APL Record Coordinators to ensure each office is following the federal government's records management responsibilities. Attend monthly FAA Records Management Officer meetings and report minutes to record custodians.

Target: Target 4

Work with the FAA Section 508 Program Office to provide APL staff with requirements and standards for posting material to the FAA Internal and External websites. Establish training materials for APL staff that will help facilitate document and/or material creation in Section 508 standards. Replace non-compliant Section 508 material from APL's assigned Internal and External websites, and achieve a 95% compliant rating material from the FAA Section 508 Program Office.

Target: Target 5

Support the FAA Emergency Notification System (ENS) through APL. Send at least one test message every quarter.

Target: Target 6

Maintain tool to evaluate VP narrative ratings in accordance with HRPM 9.1a and 2.25c.

Initiative: AIT Key Operational and Project Management Activities

This initiative represents key activities and projects performed by AIT which are not clearly aligned under other AFN Initiatives and serves as a repository for short term incentives for AIT Executives.

Initiative: ARA Support to Airport Improvements Projects

ARA AGL Regional Office provides support to analyses, planning, environmental review, and construction of significant runway or capacity-related projects.

Activity: O'Hare Runway Improvements

Provide executive leadership, facilitate horizontal integration and conduct the external outreach needed to accomplish the timely establishment of Runway 9C/27C and the extension of Runway 9R/27L at O'Hare airport. The benefits from implementing these projects will be improved safety, additional operating flexibility and enhanced efficiency, thus supporting the FAA's efforts to increase capacity and reduce delay.

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Target: Runway 9C/27C - ORD Runway Establishment

Provide executive leadership, facilitate horizontal integration and conduct the external outreach needed to accomplish the following activities associated with the establishment of a new 12,245 foot Runway 9C/27C at O'Hare airport; which will commission on November 5, 2020:

- A. Complete construction of Navigational Aid System (NAVAIDS) facilities by May 30, 2020;
- B. Complete equipment installation and stand-alone equipment testing of NAVAID equipment by August 30, 2020;
- C. Complete installation and checkout of communications infrastructure (i.e., fiber optics transmission system) by August 30, 2020;
- D. Complete development of Required Navigation (RNAV) and instrument flight procedures (IFP) by September 30, 2020.

Target: Runway 9R/27L Extension - Develop a final draft project schedule

Provide executive leadership, facilitate horizontal integration and conduct the external outreach needed to develop a coordinated, collaborative a comprehensive ORD Runway 9R/27L final draft project schedule. The project schedule will identify key activities, milestones, interdependencies and responsible organizations, associated with tasks required to timely commission ORD Runway 9R/27L extension. Moreover, the project schedule will reflect a time-phased approach to commissioning Runway 9R/27L extension with visual and RNAV services on December 2, 2021 to be followed by Category I services during 2022.

Initiative: Policy Development and Monitoring: Legislative, Policy and Funding Activities

Timely and high-quality support to senior management and stakeholders in monitoring and developing cross-agency policies, including but not limited to funding stability and adequacy, and other high-level objectives. Support the FAA Reauthorization process and cross-cutting policy issues.

Activity: Legislative Support

Lead FAA efforts to support FAA re authorization and other legislative implementation activities and facilitation of new legislation.

Target: Facilitate implementation of FAA Reauthorization legislation

Lead the implementation of FAA Reauthorization legislation Deliverable: Chair biweekly reauthorization meetings with LOBs/SOs and Chiefs of Staffs. Produce implementation status, completion metrics, and issues/challenges documentation for APL-1/2 to review on a monthly basis. Support periodic (monthly) Reauthorization meetings with the Deputy Administrator/Senior Advisor to the Administrator with Associate/Assistant Administrators.

Activity: Trust Fund Analysis and Monitoring

Develop high-quality and well-coordinated analysis of FAA Trust Fund receipts. Analyze Trust Fund revenues, and analyze Trust Fund receipts.

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Target: : Monitor the Trust Fund

Description: Develop high-quality and well-coordinated analysis of FAA Trust Fund receipts. Analyze Trust Fund revenues, and analyze Trust Fund receipts. Deliverable: Monitor Trust Fund revenues and receipts biweekly, and aggregate data quarterly. Ensure Trust Fund information portal maintains a 100% response rate to stakeholder inquiries.

Activity: Emerging Policies

Lead cross-organizational efforts to facilitate maturation of emerging policy issues impacting FAA and the aviation industry.

Target: Identify, Coordinate, and Develop Emerging Aviation Policies

Identify, coordinate, and develop emerging aviation policies, working across and outside of the agency. These may include UAS and counter-UAS, UAS preemption, stable funding (1108) for FAA, spectrum SENSAR auction, and Hyperloop. Deliverable: Provide a monthly report on the progress of emerging technologies to the Deputy Director of Policy and Planning, develop policy/status memos, prepare FAA senior leaders for meetings with DOT/OST and industry, and provide staffing support.

Activity: Support the Management Advisory Council

Provide support to the Administrator for all engagements with the Management Advisory Council (MAC), which advises the Administrator on internal FAA and aviation matters.

Target: Staff meetings of the MAC

Lead/manage all MAC engagements for the Administrator. Deliverable: Coordinate with the administrator and the MAC chairman to formulate quarterly agendas, collaborate with LOBs/SOs and other ANSPs, industry, and academia to develop papers, presentations needed for MAC meetings. Manage MAC engagements to successfully execute all required MAC meetings in FY2020. Support the Administrator to transition to the new MAC membership in FY2020.

Initiative: Ensure Efficient Global ATS to Support U.S. Economy: ICAO Panel Engagement

The FAA will proactively manage air transportation across international boundaries in a manner that is operationally efficient and seamless, with fully harmonized procedures and technologies utilizing the best practices of the industry. Support the Airport Economics Panel (AEP) and the Air Navigation Services Economics Panel (ANSEP).

Activity: Air Navigation Services Economics Panel (ANSEP) and Airports Economics Panel (AEP)

Actively participate in meetings of the ANSEP and AEP.

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Target: Ensure that USG international policy objectives are achieved

Ensure that USG international policy objectives of ensuring that ICAO's key policy considerations of cost-relatedness, transparency, non-cross subsidization, and non-discrimination are achieved per the coordinated U.S. Position while at the same time balancing these objectives with the interest of the US air carriers serving foreign markets. Prior to AEP-ANSEP Panel meetings and work group meeting, produce IGIA cleared positions papers and/or U.S. working papers to support U.S. goals and objectives. Within 30 days of the completion of each meeting, provide a summary document indicating U.S. accomplishment and strategies moving forward. Due September 30, 2020

Initiative: Aviation Industry Information -Develop Forecasts

Forecast of overall demand for FY20 as measured by passengers enplaned is within 1.5% of actual passengers enplaned: Develop and publish national, international, and facility forecasts of the demand for aerospace services and the workload it will impose on the National Airspace System (NAS) and support the agency's safety mission.

Activity: FAA Aerospace Forecast

Develop and publish an annual FAA Aerospace Activity Forecast out to FY 2040.

Target: Publish the annual Aerospace Forecast for FY 2020-2040

Publish the annual Aerospace Forecast for FY 2020-2040 (including a UAS forecast) and provide overview of Aerospace Forecast and Terminal Area Forecast to FAA headquarters staff.

Activity: Terminal Area Forecast (TAF)

Develop and publish Terminal Area forecasts.

Target: TAF Publication

Have TAF ready for publication on internet.

Target: Provide Forecast Time Period Extension of TAF

Provide extension of TAF forecasts out to 2050 to AEE.

Target: Publish TAF

Publish TAF Executive Graphs on taf.faa.gov

Target: Publish high and low TAF scenarios

Publish high and low scenarios for Core 30 passengers and commercial operations
<https://taf.faa.gov/Downloads>

Activity: Additional Aerospace Forecasts

Develop and publish additional aerospace forecasts, including an Air Route Traffic Control Center (ARTCC) forecast and Commercial Space Launch and Re-Entry forecasts.

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Target: Publish the Air Route Traffic Control Center (ARTCC) Forecast

Publish the Air Route Traffic Control Center (ARTCC) Forecasts for Aircraft Handled

Target: Publication of Commercial Space Launch and Re-Entry Forecast

Transition generation of FAA Commercial Space Launch and Re-Entry Forecasts from AST to APO in FY 2020. Produce report/guidance document describing process used by AST to generate forecast.

Target: Development of Medium/Long-Term Commercial Space Launch and Re-Entry Forecast

Produce whitepaper outlining options and recommendations for methodology to generate Medium/Long-Term (5-10 years out) Commercial Space Launch and Re-Entry forecasts.

Activity: ICAO Forecast Support

Develop forecasts as needed to support ICAO traffic forecast needs

Target: Provide forecast support

Provide forecast support and expertise for work under CAEP12 and Aviation Data Analysis Panel (ADAP) activities as needed.

Activity: Industry Trends and Operations Report(s)

Publish quarterly report highlighting aviation industry traffic and revenue trends.

Target: Publish and distribute quarterly reports

Publish and distribute quarterly reports. The reports will highlight aviation industry traffic and revenue trends to internal Office of Aviation Policy, Planning, and Environment (APL) and/or FAA customers.

Activity: Aviation Industry Information Requests

Perform analyses, collect statistics, and provide recommendations on aviation industry issues as requested.

Target: Respond to agency customer requests

Respond to agency customer requests for information and insights within one week.

Activity: UAS Implementation Plan

APO's milestones for UAS Implementation Plan

Target: Define FAA UAS Data Collections

Define FAA UAS data collection and analysis requirements.

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Target: Develop forecasts for UAS

Develop forecasts for UAS activity, including small and large UAS (as needed).

Target: Research on UAS forecasting

Sponsor and oversee research to analyze and update a large UAS forecast that breaks out Government, civil, commercial UAS and transitioning sUAS above 400 ft. The output will be a technical report that shows growth in units, missions, aircraft type, altitude, and other performance characteristic and relates to the UAS Implementation Plan.

Target: UAS Survey

Develop a survey/questionnaire and plan for deployment of a UAS survey. The survey/questionnaire will be coordinated within FAA and include part 107 and recreational UAS operators.

Initiative: Develop Standardized Values and Methodologies

Update/ Develop Economic Guidance Material in support of FAA Rulemaking or the review of LOI proposals

Activity: Develop Standardized Values and Methodologies

Review data contained in the Economic Values Document.

Target: Update/Develop Economic Guidance Documentation

Coordinate the updating of Economic Guidance material including FAA's Standardized Economic values document and APO's Airport BCA guidance.

Target: Identify sections to be updated in the Economic Values Document

Identify potential new material for inclusion in a future update to the Economics Values Document.

Initiative: Optimizing the Use of Agency Resources: Regional Emergency / Crisis Management / Continuity of Operations (COOP)

As public stewards, ARA will optimize the use and management of FAA resources to improve accountability and enhance operational efficiency through improved management of FAA acquisitions and real property assets, effective management of financial resources, and support of non-ARA workforce planning. Successful accomplishment of this objective is measured through effective management of Agency acquisition policies and practices, reducing space requirements and pursuing alternative workplace strategies to increase space utilization, achieving cost reduction and avoidance targets, favorable financial system audit results, continuous efforts to promote the development of small businesses as well as good corporate citizenship, and establishing an AIT UAS PMO office to provide a one-stop-shop portal for all UAS applications. Emergency Preparedness & Crisis Response - Implement an integrated ARA Emergency Management Program. Regional Emergency Planners (EPs) will coordinate and facilitate the FAA's emergency and disaster related interests and efforts at the Regional level. The EPs will coordinate and facilitate Regional Office FAA Lines of Business (LOB) and Staff Offices' (SO) response to and recovery from an emergency incident in the affected Region.

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Activity: Regional Emergency Operations and Crisis Management

A major incident has the potential to affect any given region at any given time. Hurricanes, earthquakes and major tornado outbreaks are a few examples of threats the nine (9) FAA Regions may encounter. All Regional Continuity of Operation Plans include the essential element of Devolution, however; the devolution plans were coordinated prior to a number of organizational changes and technology advancements. The Regional Emergency Planners (EPs) will work together to review and develop new Devolution processes and procedures that will provide for an efficient and effective Devolution capability for the ARA Regional Office/Staff.

Target: ARA Essential Functions

Identify the essential functions that each region's ARA staff would be required to continue following a significant incident and crosswalk the lists among all regions.

Target: ARA Employee Positions

Identify and compare the ARA positions located in each regional office.

Target: Records, Documents and Templates

Identify the records, documents, and templates required for each region to continue performing designated ARA essential functions.

Target: Computer Programs and Applications

Identify the computer programs, applications, and file locations that regional ARA staff require access to in order to continue designated ARA essential functions.

Target: ARA Regional Devolution Locations

Review and update, as needed, the devolution location for each region's ARA staff and finalize the essential function list crosswalk.

Initiative: FAA Reauthorization

Complete requirements in the FAA Re authorization Act of 2018

Activity: FAA Reauthorization

Support of other lines of business in completing their requirements.

Target: FAA Re authorization

Provide input and review of Section 175 - Addressing Community Noise Concerns.

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Target: FAA Re authorization

Provide input and review of Section 742. Technology Review

Activity: FAA Re authorization

Develop Report for specific sections in FAA re authorization

Target: FAA Re authorization

Complete Report of Section 179 - Airport noise mitigation and safety study.

Target: FAA Re authorization

Complete review of available aircraft noise and performance data regarding 91.817 (Section 181 (5))

Target: FAA Re authorization

Complete Report for Section 187 (b). Aircraft Noise Exposure

Initiative: Development and Implementation of New Forecast Tools and Products

Develop new forecasting products and tools.

Activity: Economic Impact of Civil Aviation Report

Have a report ready for publication on National and State level (alternate years) Economic Impact of Civil Aviation in U.S.

Target: Publish report on Economic Impact

Description: Prepare report for publication on State Economic Impact of Civil Aviation in U.S.