

**FY2021**

# **Eastern (AEA) Regional Runway Safety Plan**

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IMPROVING SURFACE SAFETY.

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# Executive Summary

In response to the agency goal and follow up to the National Runway Safety Plan, the AEA Runway Safety Plan serves as a road map with regional runway safety emphasis for FY2021.

The members of the Regional Runway Safety Governance Council (RSGC) and the Regional Runway Safety Program Manager(s) will determine the impact and resources. This is a fluid and dynamic document which will be evaluated and modified as events warrant.

Runway Safety Program [FAA Order 7050.1B](#) prescribes the FAA Runway Safety Program and establishes policy, assigns responsibility, and delegates' authority for ensuring compliance with this order within each organization.

## AEA Executive Roster

**Jennifer Solomon**  
AEA Regional Administrator

**Bruce DeCleene**  
Director, Office of Safety Standards

**Ryan Almasy**  
Director, Eastern Service Center (A)

**David Fish**  
Director, Airports Division Eastern Region

**Mike Schmidt**  
Director, Air Traffic Services Eastern Service Area (A)

**Richard Morgan**  
Director, Technical Operations Services (A)  
Eastern Service Area

**Dr. Harriett Lester**  
Eastern Region Flight Surgeon

## AEA Runway Safety Team

**Ryan Heeralall**  
Regional Program Manager

In accordance with FAA Order 7050.1, Runway Safety will coordinate this plan with all members of the Regional Runway Safety Team (RRST) and the Regional Administrator.

**X JENNIFER SOLOMON**  
Digitally signed by JENNIFER SOLOMON  
Date: 2021.02.03 16:03:56 -05'00'

**JENNIFER SOLOMON**  
AEA Regional Administrator

**X Ryan Heeralall**

**RYAN HEERALALL**  
AEA Runway Safety Program Manager

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# FAA Safety Management System (SMS)

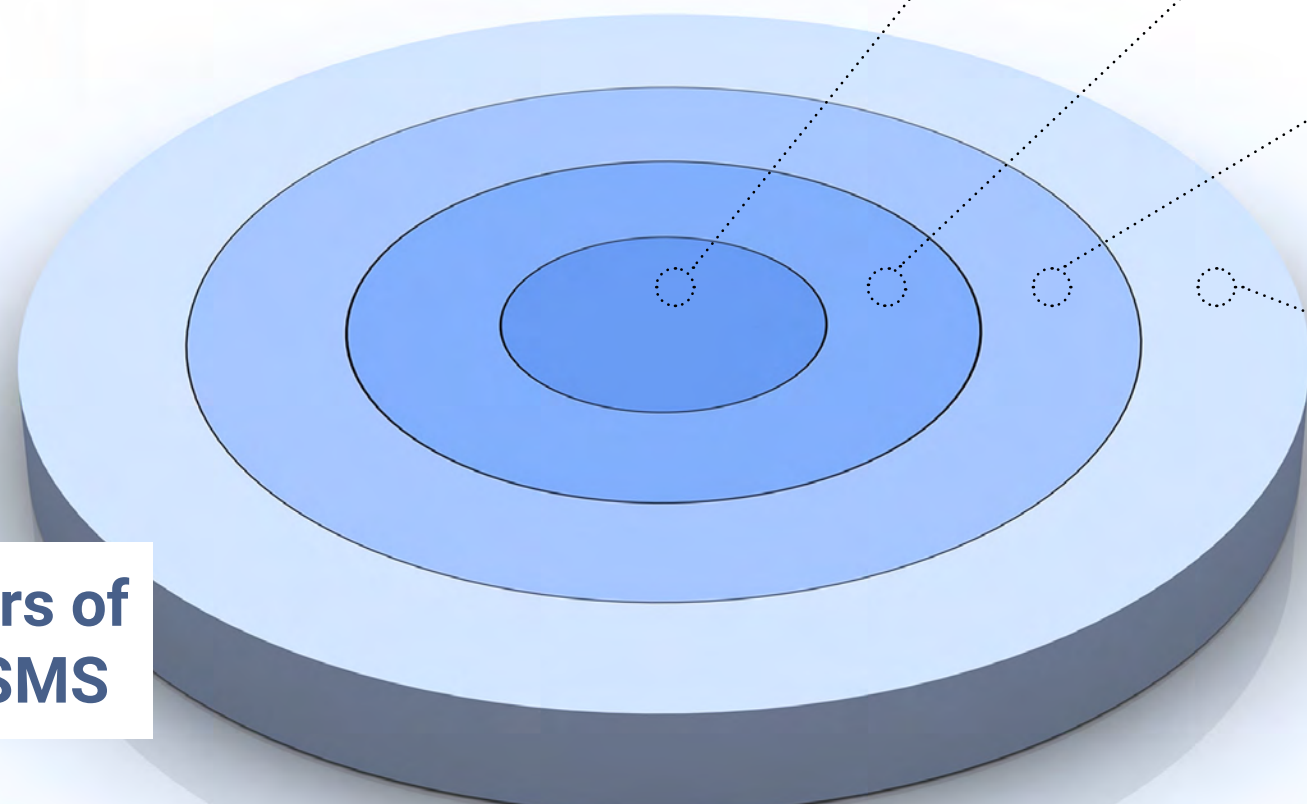
FAA is employing and evolving a Safety Management System (SMS) which provides a formalized and proactive approach to system safety in order to find, analyze and address risk in the NAS. The SMS is comprised of four main components, which combine to create a systemic approach to managing and ensuring safety. Through the National Runway Safety Plan (NRSP), the Runway Safety Program is transitioning to assimilate runway safety activities into FAA's SMS.

The goals for the National Runway Safety Plan are expected to continue the efforts and successes put forth by the NRSP: namely to leverage new processes, sources of safety data, and integrated safety analysis to continue to reduce serious runway safety events, and to identify, mitigate and monitor the conditions and fac-

tors that combine to create risk before serious events occur. These efforts are both local and national in scope. We can pinpoint problems at an airport to a single intersection at a specific time of day or use millions of data points to identify a systemic problem.

Our Runway Safety Enhancement Initiatives apply strategic efforts to mitigate the identified risk. To that end, this regional plan endeavors to align its activities with the principles and components of FAA's current SMS to the greatest extent possible.

## Four Pillars of the FAA SMS



### SAFETY ASSURANCE

Remain the global leader in assuring runway safety enhancement initiatives are effective in maintaining an acceptable level of safety at U.S. airports with an air traffic control tower.

- Identify Operating Hazards
- Program Data
- Voluntary Safety Reporting
- Investigations
- Safety Risk Monitoring
- Data Analysis
- Partnership for Safety
- Audits and Evaluations

### SAFETY RISK MANAGEMENT

Implement Runway Safety Enhancement Initiatives that manage or reduce the risk of airport operations.

- Analyze, Assess, Mitigate, and Accept Risk
- Develop Monitoring Plan
- Safety Risk Management Documents

### SAFETY POLICY

Establish and maintain policies and procedures to ensure adequate resources are available to accomplish the FAA's near-term and strategic objectives.

- SMS Orders
- Safety Guidance
- FAA/ATO Safety Orders
- SMS Manual

### SAFETY PROMOTION

Relentlessly promote best practices, lessons learned, and actionable information obtained from data analysis to our global runway safety stakeholders.

- Outreach and Education Products
- Lessons Learned
- Workshops
- Safety Communication

# National Runway Safety Plan Objectives

## Regional Runway Safety Plan (RRSP) Methodology

This Regional Runway Safety Plan was developed to provide direction and formalize the process to reduce runway incursion risk in the Eastern Region through outreach and data analysis. It outlines regional efforts in partnership with Lines of Business (LOB) to support runway safety initiatives.

The Runway Safety Governance Council (RSGC) is chaired by the Regional Administrator and comprised of the Regional Runway Safety Program Manager (RSPM) and executives from the Airports Division, Flight Standards, Air Traffic Organization and other LOBs whose influence directly supports the RRSP. The RSGC is task with identifying regional priorities to ensure local safety initiatives and concerns are properly vetted and coordinated for support and mitigation.

### AEA FY21 Focus Airports

Following is a list of AEA Focus Airports for FY21 Q1 and will be referenced in various sections of this plan..

#### Priority Airports

- BWI\*
- DCA\*
- EWR\*
- IAD\*
- JFK\*
- LGA\*
- PHL\*

#### Airports of Interest

- ACY
- FRG
- HPN
- ISP
- TEB

\*Core 30

## FY21 Regional Runway Safety Plan Initiatives

The RSPM and RGC members will determine what the impact is and how many resources may be assigned to these initiatives. This is a fluid and dynamic document, which will be evaluated on a continuing basis and modified as events warrant.

Runway Safety Program Order 7050.1B prescribes the FAA Runway Safety Program (RSP). This directive establishes policy, assigns responsibility, and delegates authority for ensuring compliance with this order within each organization.



## 1. Safety Assurance

Remain the global leader in assuring Runway Safety enhancement initiatives are effective in maintaining an acceptable level of safety at U.S. Airports with an air traffic control tower.

Runway Safety will support safety mitigations by proactively identifying hazards and risks based on continuous analysis of data. This plan supports the Administrator's commitment to risk-based decision-making: build on safety management principles to proactively address emerging safety risk by using consistent data-informed approaches to make smarter, system-level, risk-based decisions.

### Activity 1

#### Safety Analysis and Mitigation:

**1.1** Runway Safety will support the ATO Top 5 list of hazards directly related to Wrong Surface Landings. This includes support of the Taxiway Arrival Prediction Software for remaining AEA site locations: EWR, JFK and LGA.

**1.2** Runway Safety, Flight Standards, Airports, and Air Traffic will share relevant incursion data including analysis, trends, findings to increase awareness and provide visibility of events at regional airports.

**1.3** Runway Safety will continue to coordinate and review Hot Spots in Eastern Region and work with the appropriate LOB to address, publish and mitigate those areas of concerns.

**1.4** Runway Safety will support the Runway Incursion Assessment Team (RIAT) by processing Runway Incursion Mandatory Occurrence Reports

to support data collection and recommend best practices for pilots, controllers and vehicle operators.

**1.5** Runway Safety will monitor the Runway Safety Action Team (RSAT) process to include ensuring applicable LOB compliance with FAA Order 7050.1. This will include RSAT planning and coordination, Runway Safety Action Plan (RSAP) review/acceptance, Action Items tracking and any supporting data for External Compliance Verifications (ECV).

**1.6** Runway Safety will work with Regional Air Traffic Managers (ATM) during RSAT meetings to aid in mitigating local risk. This may include but not limited to support and coordination of Letters of Agreement (LOA), Hot Spots, protection of Runway Safety Areas (RSA), airport operational procedures, etc.

**1.7** Runway Safety will monitor and track Action Items that are developed during RSAT meetings and coordinate any update with LOBs as necessary for completion.

**1.8** Runway Safety will track runway safety data to support Action Items and Mitigations that aid in producing improved safety and will work with airport sponsors, LOBs, stakeholders, etc. to modify/correct when appropriate.



# 2. Safety Risk Management (SRM)

Implement Runway Safety Enhancement Initiatives (RSEI) that manage or reduce the risk of airport operations.

Local Runway Safety Action Team (LRSAT) meetings provide the foundation of the Runway Safety Program and are the primary means to identify and address site-specific surface risk at the local level. Runway Safety will work with Air Traffic Managers and others as necessary to explore ways to enhance the RSAT process.

### Activity 2

#### Local Runway Safety Team (LRSAT) meetings:

**2.1** Runway Safety will attend/participate in annual Runway Safety Action Teams (RSAT) meetings for all "Priority", "Focus and "Interest" Airports published in the FY2021 Eastern Region (AEA) Regional Runway Safety Plan (RRSP).

**2.2** Runway Safety will promote the use of the RSAT Web Tool to conduct Runway Safety Action Team (RSAT) meetings through AEA through pre-RSAT coordination efforts and other ATM outreach efforts.

**2.3** Runway Safety will promote/encourage the use of "From the Flight Deck" and other (FAA branded) safety videos, single topic videos, and Runway Safety Pilot Simulator at RSAT meetings, as appropriate. See page 11 for more information.

**2.4** Runway Safety will encourage and coordinate with the FAA Lines of Business including Aerospace Medicine regionally for scheduled Local and Special Focus RSATs. Level of participation will be determined by the Line of Business or Staff Office.

**2.5** Specific to Special Focus RSAT (SFRSAT) meeting, Runway Safety will:

1. Identify airports to be considered by the Runway Safety General Manager for SFRSAT meetings based on defined criteria, historical data and repetitive challenging events. Example data may include wrong surface operations risk, runway excursion risk, or surface collision risk. Due December 31, 2020.
2. Provide local coordination for SFRSAT meetings.
3. Partner with Office of Airports and Flight Standards for their active participation at SFRSAT meetings.

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**2.5** Identify airports to be considered by the Runway Safety General Manager for SFRSAT meetings based on defined criteria, historical data and repetitive challenging events. Due December 31, 2020  
**Completed**

# 3. Safety Policy

Policy, responsibility and accountability that bear on surface safety, and the organizations charged with risk mitigation and safety improvement, are put forth in FAA JO 7050.1B Runway Safety Program (RSP) and the National Runway Safety Plan.

**Note:** FAA Order 7050.1B is undergoing a rewrite effort in FY2021. All attempts will be made to accommodate the enclosed goals and policies or some improved version thereof, however, any deviations will be addressed as needed to maintain the intent of the current document.

## How We Are Collaborating







# 4. Safety Promotion

Promote best practices, lessons learned, and actionable information obtained from data analysis to our runway safety stakeholders.

Communication and engagement are essential to the success of this Regional Runway Safety Plan. Engaging with key stakeholders and customers enables Runway Safety to advance towards the goal of reducing surface safety risk.

### Activity 4

#### Communication Strategy and Engagement

**4.1** Regional Administrator will coordinate executive support and engagement with managers from each LOB for Regional Runway Safety Government Council (RRSGC) participation and collaboration on regional runway safety initiatives. Commit to (4) meetings based on regional priorities.

**4.2** Runway Safety and participating LOBs will discuss safety initiatives and share relevant information necessary for cross collaboration during each RRSGC meeting. This partnership effort is important in accomplishing regional safety initiatives.

**4.3** Runway Safety will support the Regional Administrator's Office by sharing and providing pertinent Runway Safety data and RSAT dates as requested to support annual State Aviation Con-

ferences and Meetings, National Association of State Aviation Officials (NASAO) Meetings and/or other aviation industry group meetings to promote aviation safety.

**4.4** The Inter-Disciplinary Team (IDT) meeting is a Regional Administrator's initiative for LOB collaboration on higher profile airport capital projects, schedules and construction issues. Runway Safety will support these meetings as necessary.

**4.5** Runway Safety will provide copies of completed Runway Safety Action Plans (RSAP) for visibility and awareness of discussion items, mitigations and safety recommendations to LOBs when requested and as necessary for collaboration on completing local action items.

**4.6** Runway Safety will identify airports to include on a priority list for future "From the Flight Deck" videos. Due 12/31/2020

**4.7** For video locations in AEA, Runway Safety will coordinate with LOBs as necessary to identify key issues, draft the video script with AOC, review video for accuracy, and promote the video upon release to all available parties.

### FY21 "From the Flight Deck" Video Candidates

Following is a list of AEA Airports selected in FY21 for From the Flight Deck Video production. Schedule flight and completion is estimated June 2021. Date is subject to change based on flight schedule and production logistics.

Candidate Airport	Approved	Mission Schedule
HPN	Yes	Tentative July 2021
FRG	Yes	Tentative July 2021
POU*	Yes	Tentative July 2021

\*Video complete but selected for a 2021 refresh/update based on LOS concern.

#### Completed AEA Videos FY19-20

Hudson Valley Regional, NY (POU)

Philadelphia International, PA (PHL)

Long Island MacArthur, NY (ISP)

Teterboro, NJ (TEB)

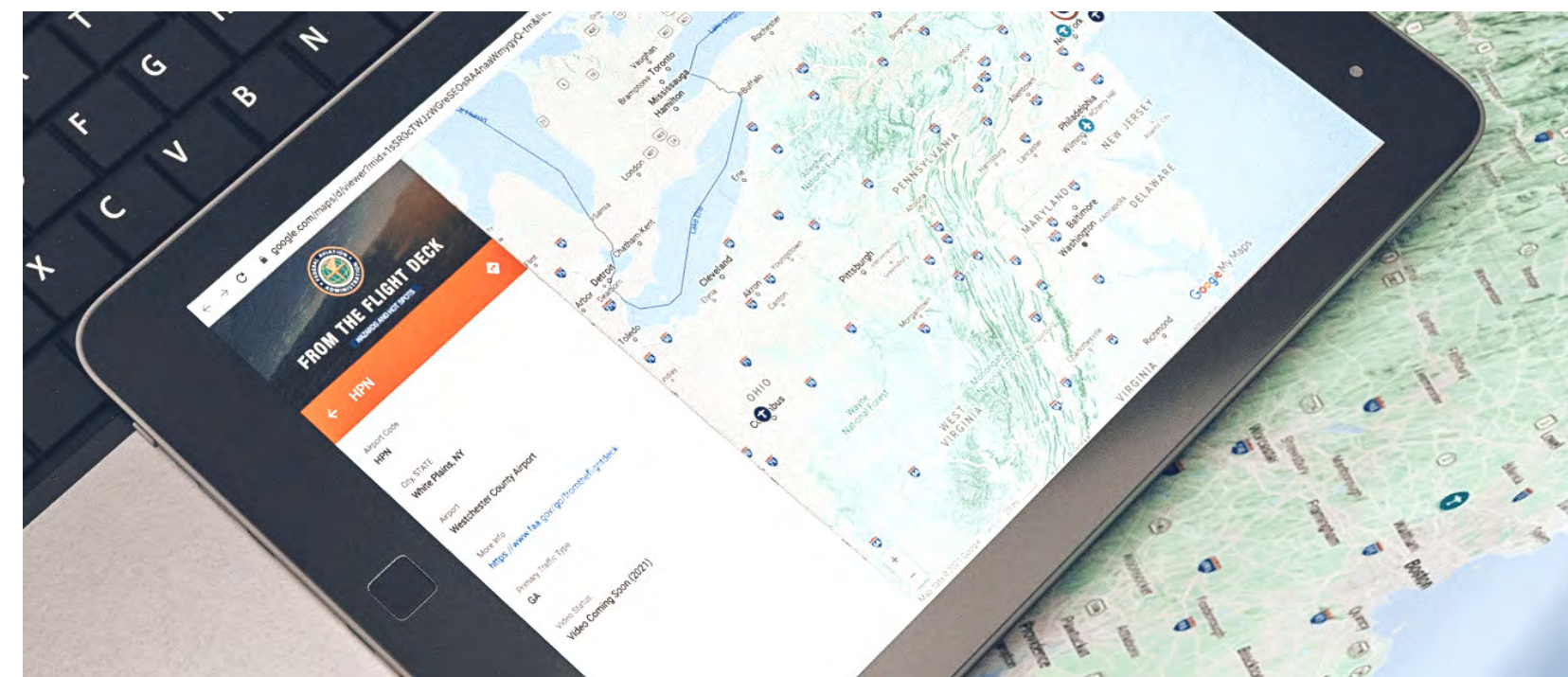
[www.faa.gov/airports/runway\\_safety/videos/](http://www.faa.gov/airports/runway_safety/videos/)

## MILESTONE



**4.6** Runway Safety will identify airports to include on a priority list for future "From the Flight Deck" videos. Due 12/31/2020.

**Completed:** Westchester County, NY (HPN), Republic, NY (FRG) selected and updated Hudson Valley Regional, NY (POU) video.





# For More Information:

Federal Aviation Administration  
Runway Safety Program Office, AJI-142  
159-30 Rockaway Blvd.  
Jamaica, NY 11434



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of Transportation  
**Federal Aviation  
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