TOOLKIT BENEFITS PROVIDED TO GA AIRPORTS

- Identify the shocks and stressors most applicable to their airport and understand how to address them
- Develop tailored strategies that seek to combine actions to “multi-solve” to gain efficiencies and optimize resources instead of addressing singular shocks or stressors individually
- Match project needs to available funding sources
- Optimize limited financial, staffing, or other resources (e.g., political, social, and environmental capital)
- Leverage lessons learned from similar airports and apply those lessons locally
- Engage key stakeholders with proven strategies
- Communicate the critical functions of GA airports in communities when advocating for resources

This innovative toolkit will serve to empower GA airports to conduct cost-effective resiliency planning and prepare facilities across the country for current and future shocks and stressors.
WHY CARE ABOUT RESILIENCE?

As connectors to rural communities, relievers of larger metropolitan airport systems, and providers of critical services, GA airports serve a fundamental role to the transportation system and generate nearly $80 billion in annual economic activity. They also serve critical functions before, during, and after disasters, acting as focal locations for distributing disaster relief, and as search and rescue deployment bases for wildfires, storms, floods, and other natural hazards. Despite their significance, their role is often overlooked — until they cannot fulfill it.

WHAT IS RESILIENCE?

Resilience is "the ability to prepare for anticipated hazards, adapt to changing conditions, and withstand and recover rapidly from disruptions."

PURPOSE

This Self-Directed Resiliency Toolkit provides GA airport managers—often limited in resources and staff—with the information, tools, and processes necessary to enhance resilience in cost-effective and efficient ways. Through engagement with the toolkit, GA airport facilities can

1. Ensure their continued operational resilience to minimize and address disruptions to operations, and
2. Continue providing invaluable services to their communities.

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SELF-DIRECTED RESILIENCY TOOLKIT ELEMENTS

integrated with the national preparedness system process

Starting Point
Tools/Resources:
• Resiliency Handbook
• Resource Review

Step 1
Identifying & Assessing Risk

Tools/Resources:
• Overview of Identified Shocks and Stressors
• Resilience Assessment Analysis Tool

Step 2
Estimating Capability Requirements

Tools/Resources:
• Mitigating Actions to Address Shocks and Stressors
• Case Studies

Step 3
Building & Sustaining Capabilities

Tools/Resources:
• Resiliency Planning Templates

Step 4
Planning to Deliver Capabilities

Tools/Resources:
• Communications and Collaboration Guidance
• LOA Template

Step 5
Validating Capabilities

Tools/Resources:
• Airport Resiliency Stress-Test Exercise-in-a-Box

Step 6
Reviewing & Updating

Tools/Resources:
• After Actions and Corrective Actions Template

Self-Directed Resiliency Toolkit

This brochure was produced as part of ACRP Project 04-92. For more information, visit the National Academies Press website (nap.nationalacademies.org) and search for ACRP Research Report 263: Creating Self-Directed Resiliency Plans for General Aviation Airports.

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