



AIRPORT DESIGN CHALLENGE

Safety & Security Student Workbook

Take a few moments to review the information on the Safety & Security webpage and follow along in this workbook as you complete the content online. It doesn't include everything – just the things you need to work on!

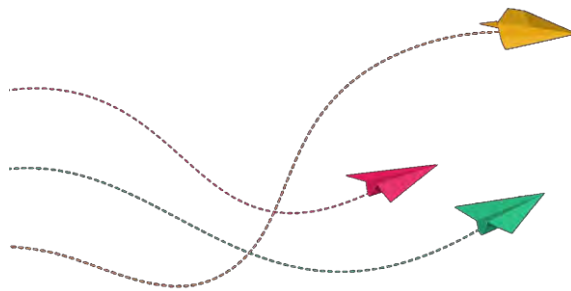
Have questions or comments? Please contact the Airport Design Challenge team at avsed.challenge@faa.gov.



Next Steps...

- Get your Airport Layout Plan from Module 1 and add your safety and security features – obstruction areas, perimeter fence locations, access gates, runway safety areas etc.
- Test your knowledge with the Safety & Security Quiz!
- Build your safety & security features in Minecraft!
- Move on to Module 3: Lighting, Markings & Signs!

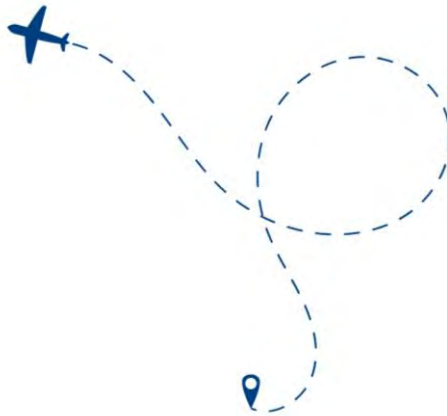
Let's build, learn, and fly together!





Check Your Knowledge! Safety & Security Quiz

1. True or False. A “controlled” airport is one that has an operating air traffic control tower.
 - True
 - False
2. Name a system designed to help guide pilots to the runway on landing.
 - Visual descent path
 - Glide path markings
 - VASI/PAPI
 - None of these





Check Your Knowledge! Safety & Security Quiz – Answer Key

1. True!

Not all airports have an air traffic control tower, but the ones that do are called “controlled” airports.

2. VASI/PAPI

Visual Approach Slope Indicators (VASI) and Precision Approach Path Indicators (PAPI) are crucial for pilots during runway approaches. VASI helps ensure pilots are on the correct glide path, while PAPI provides more precise guidance, especially at busy airports for larger aircraft.

