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U.S. Department of Transportation
Federal Aviation Administration

RWSL AIRPORTS

- Orlando International Airport*
- Phoenix Sky Harbor International Airport
- George Bush Intercontinental Airport
- Baltimore-Washington International Airport
- Las Vegas McCarran International Airport
- Charlotte Douglas International Airport
- Los Angeles International Airport
- Hartsfield-Jackson Atlanta International Airport
- Seattle-Tacoma International Airport
- Chicago O'Hare International Airport
- Washington Dulles International Airport
- LaGuardia Airport
- John F. Kennedy International Airport
- Denver International Airport
- Minneapolis-St. Paul International Airport
- Newark Liberty International Airport
- Detroit Metropolitan Wayne County Airport
- Philadelphia International Airport
- Dallas/Ft. Worth International Airport
- Fort Lauderdale/Hollywood International Airport
- Boston Logan International Airport
- San Diego International Airport
- San Francisco International Airport

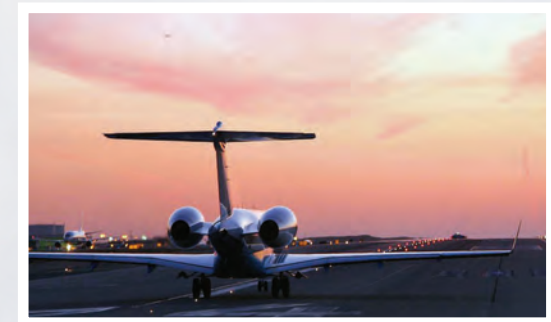
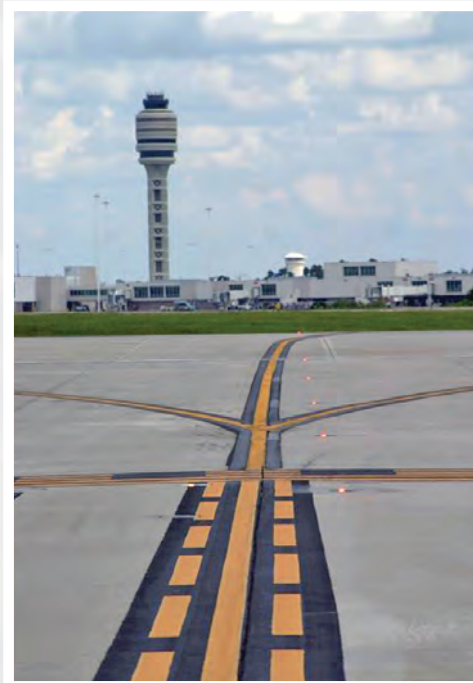
*Orlando International Airport is the key site for production deployment of the RWSL system.

SCHEDULE

The system is planned to be operational at all 23 airports by the end of 2016.

WEBSITE

For more information, check out the RWSL website:
http://www.faa.gov/air_traffic/technology/rwsl/



Runway Status Lights System RWSL

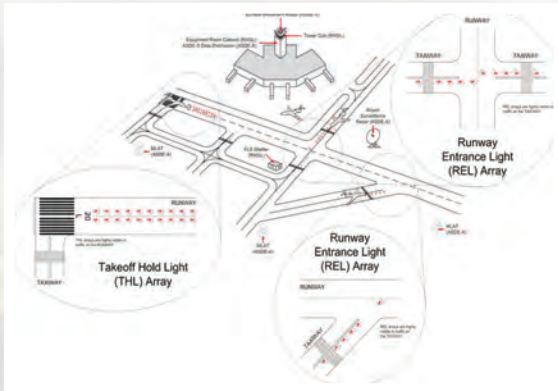
PROGRAM DESCRIPTION

A top priority of the Federal Aviation Administration is to enhance airport safety, while maintaining airport capacity. Reducing runway incursions is a major component of this effort.

Runway incursions develop quickly and without warning during routine traffic situations on the airport surface, leaving little time for corrective action. The RWSL program is designed to provide direct indication to pilots that it is unsafe to enter a runway or begin a takeoff.

Runway Status Lights indicate runway status only; they do not indicate clearance.

The RWSL system is customized to accommodate individual airport operations, without impacting traffic flow.



SYSTEM DESCRIPTION

The RWSL system provides lights on runways and taxiways, illuminating when it's unsafe to enter, cross, or begin takeoff on a runway. The lights indicate runway status and increase a pilot's situational awareness.

The system is automated based on inputs from surface and terminal surveillance systems.

Airport surveillance sensor inputs are processed through a light control logic that commands in-pavement lights to illuminate red when there is traffic on or approaching the runway.

Runway Entrance Lights (REL) indicate to aircraft crossing or entering a runway from intersecting taxiways that it is unsafe to move forward.



Runway Entrance Lights (REL):
High Speed Traffic on Runway,
Do Not Enter or Cross



Takeoff Hold Lights (THL) indicate to aircraft in position for takeoff that it is unsafe to proceed.



Takeoff Hold Lights (THL):
Traffic on Runway, Do Not Takeoff

