



RUNWAY SAFETY

EDUCATION AND OUTREACH

PAUL DERES
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About ASI

- AOPA chartered the Air Safety Foundation in 1950
- Fully funded by tax-deductible donations to the AOPA Foundation
- Three areas of operation:
 - Data analysis and research
 - Design and development
 - Delivery and outreach
- More than 300 free online products
 - Courses, videos, safety quizzes, publications, articles, newsletters, etc.
- Nationwide seminars at 200+ locations and events
- In-person and online flight instructor renewal courses
 - More than 8,000 renewals/year

Mission and Vision

ASI Mission:

Improve general aviation safety through industry-leading research, education, and outreach.

ASI Vision:

To be the leading influence in pursuit of a world without fatal general aviation accidents.

Gov't / Industry Participation

- **Runway Safety Council**
- **Runway Safety Call to Action**
 - Communication/Outreach plan to distribute and promote AOPA material to members and nonmembers



RUNWAYSAFETY
=====Call to Action=====

Runway Safety – GA Problem Areas

- **Bad news:** General aviation (Part 91) causes about 80% of Pilot Deviations (PDs)
 - ~60% of all incursions are PDs
- **“Good” news:** Majority are Category D (i.e., incorrect presence on area designated for takeoff and landing with no immediate safety consequences)
 - I.e., high probability, low-consequence events
 - ~55% of PDs (all operations) are CAT D

Top Five PDs (all operations) FY17

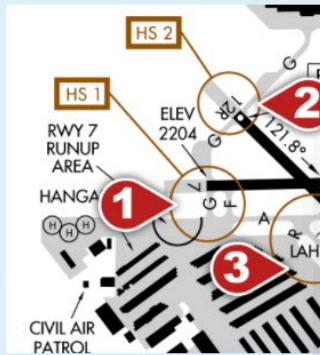
- **94:** Taxied without communication/authorization to runway, onto a taxiway or to ramp and did not cross hold line or enter runway
- **88:** Entered/crossed runway without communication/clearance (hold short not required)
- **85:** Crossed hold short line, but did not enter the runway after acknowledging hold short instructions with correct read back
- **74:** Landed/departed without communication/clearance
- **70:** Entered or crossed the runway after acknowledging hold short instructions with correct read back

Runway Safety Education

- **Runway Safety online course**
 - 4th version (2015)
 - ~120,000 completions
 - Funded by the FAA
 - Technical editing/contributions from FAA Runway Safety Group
 - Online CFI renewal module
 - Scenario-based approach to address key problem areas
 - Video re-creations of actual incursions using real ATC audio



Hot Spots

[Learn more about this below.](#)[Learn More About This](#)

Getting Prepared

Click the tabs below, then [scroll down to learn more.](#)

Preparation

Where to Find Them

What You'll See

First things first: If studying likely taxi routes isn't already part of your basic preflight planning, it should be. Knowing where you're (probably) headed, and how you'll (probably) get there, makes things a lot less stressful. Your most important tool? The airport diagram.

Especially at larger airports, there are often multiple ways of getting from Point A to Point B.



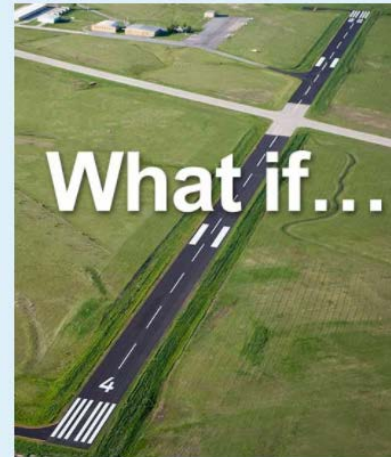
MENU

SHARE

Familiarity and Contempt

"Sure," you say, "distractions are dangerous at unfamiliar or busy airports, but I know my home field like the back of my hand. Why not put the time to better use?"

That may sound reasonable—but all too often it's the things we "know" are safe that end up getting us in trouble.



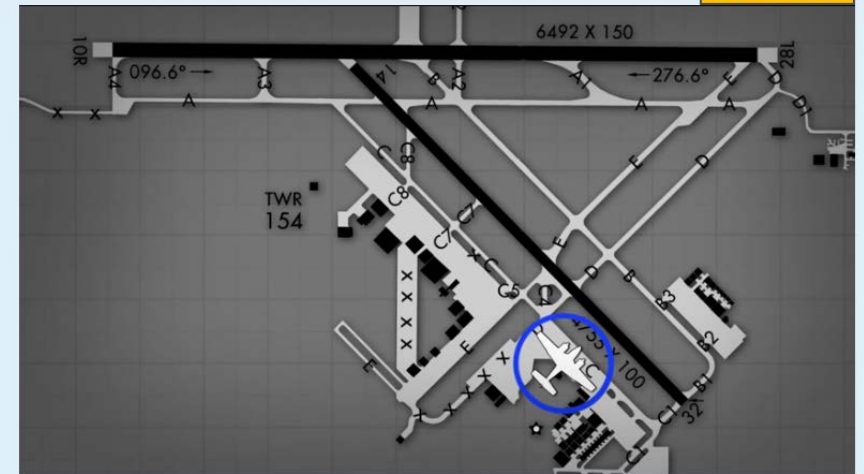
...you took off on the designated calm-wind runway, but didn't see

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Case Study #2

[Close Video](#)

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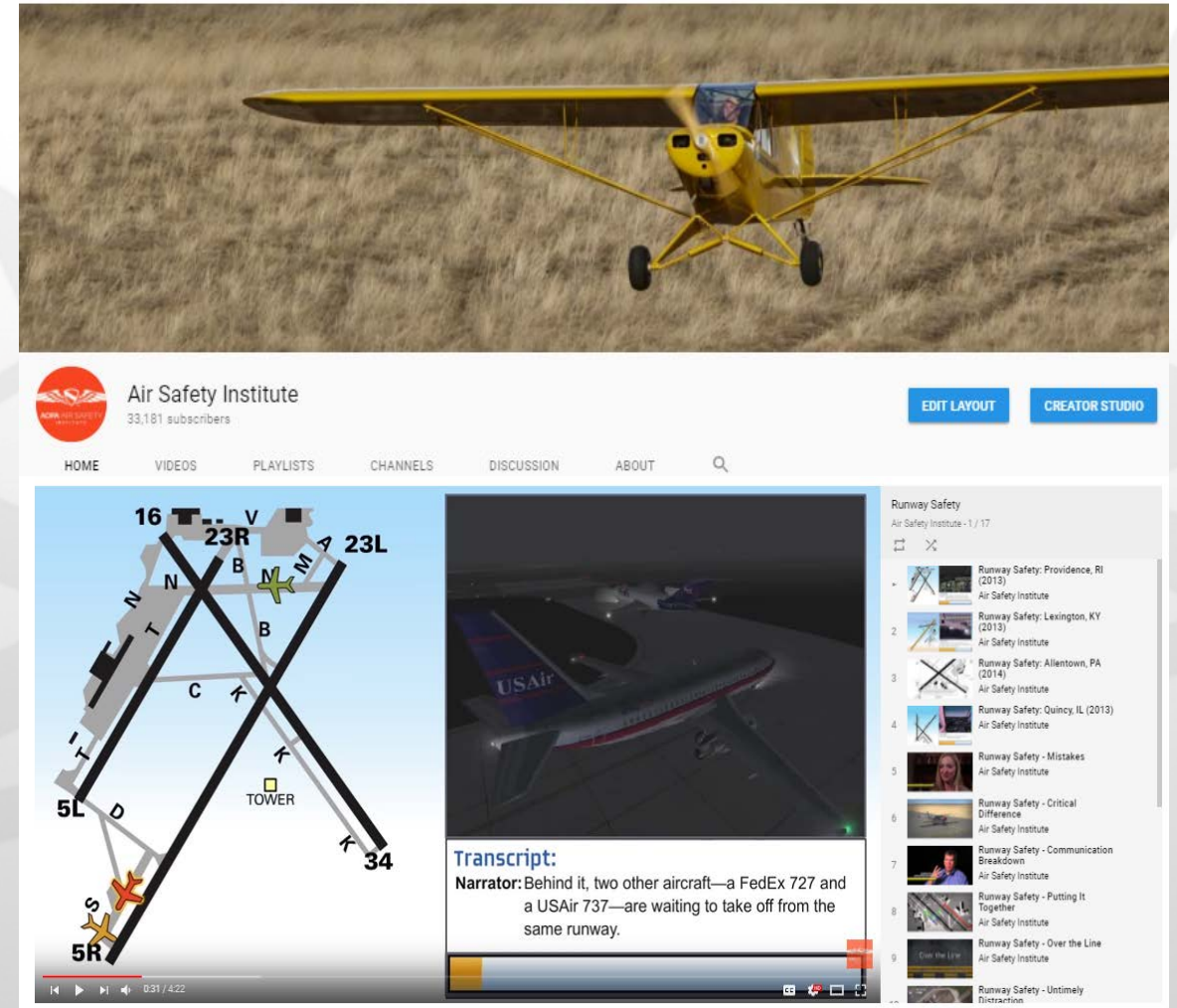
Runway Safety Education

- **Runway Safety Flash Cards**
- 42 different signs, markings, and lighting “in context” with practical application and explanations
- Technical editing courtesy of FAA Runway Safety Group



Runway Safety Education

- **YouTube Playlist**
 - 15 runway safety videos
 - 285,000+ views



Safety Alliance

- New 2016 ASI initiative
- Bringing free safety education together in one place on ASI's website



RUNWAY SAFETY

Safety Alliance

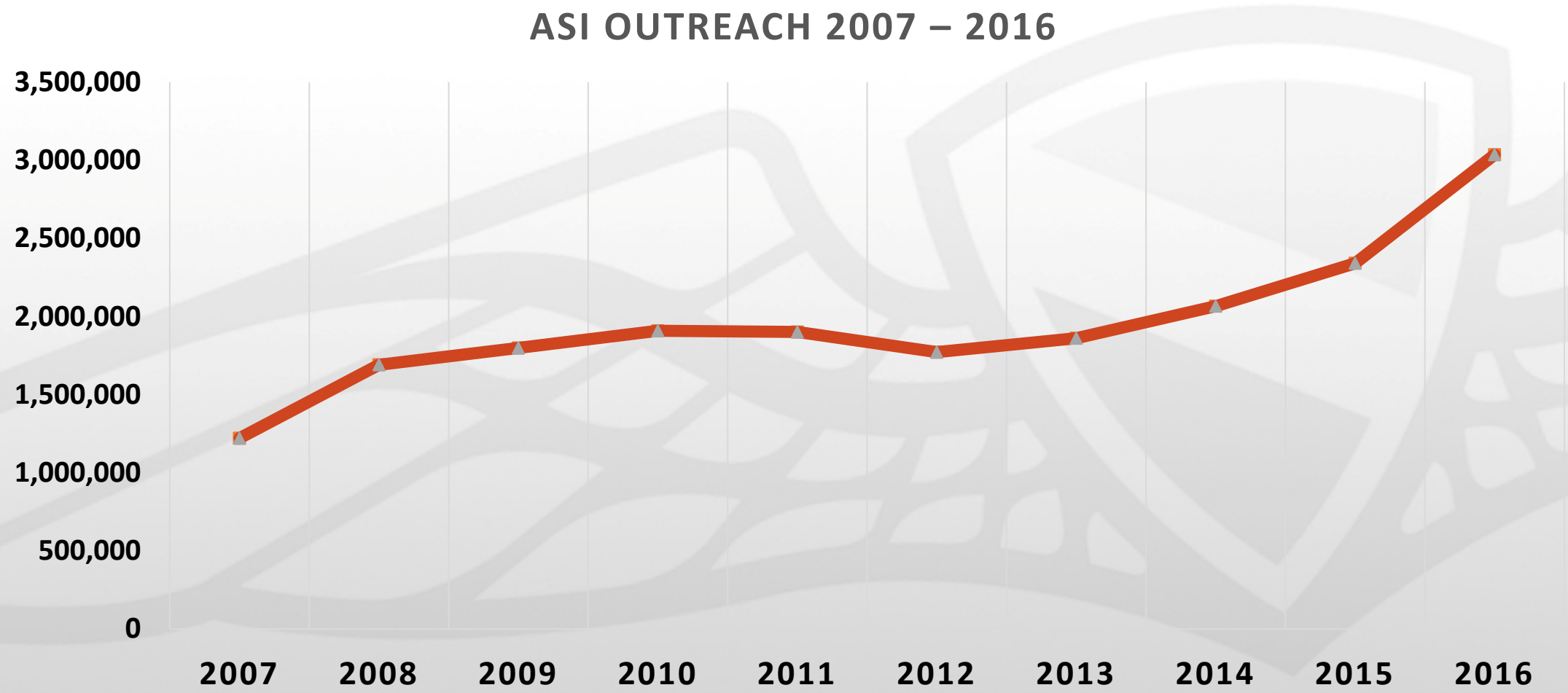
- Runway safety for pilots presented by Sporty's Pilot Shop
- FAA TV: Chino Runway Safety Vignette
- FAA TV: HNL Runway Safety Vignette
- FAA TV: John Wayne Runway Safety Vignette
- FAA TV: Hayward Executive Airport Runway Safety Vignette

AOPA Outreach Channels

- Website
- ePilot, eFlight Training newsletters
- *AOPA PILOT* and *Flight Training* magazines
- Direct e-mail marketing
- AOPA member bulletin
- AOPA Live This Week
- Facebook and YouTube
- AOPA Hangar
- AOPA mobile app



Outreach Trends





QUESTIONS?

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