

# ENGINEERING & AIR SAFETY

## ABOUT E&AS

ALPA's Engineering & Air Safety Department (E&AS), which comprises 23 professionals with backgrounds in aviation safety, security, pilot health, accident investigation, flight operations, and air traffic control, collaborates with government and industry to represent the interest of ALPA members worldwide. E&AS also provides a support network for pilot representatives working on safety, security, and pilot health issues on the local, master executive council, and international level.

## 23 professionals with expertise in

- Accident/Incident Investigation
- Professional Standards
- Human Factors
- Flightcrew Training
- Airport Screening Standards/Procedures
- Aircraft Design & Certification
- ICAO
- Aeromedical
- Charting & Instrument Procedures
- Jumpseat Access
- Proactive Safety Reporting Programs—ASAP/FOQA
- Airport Standards
- Post-Traumatic Stress
- Aviation Weather
- Airspace System Modernization
- Carriage of Hazardous Materials
- Aircraft Operating Procedures
- Air Traffic Control
- Aviation Security
- Just Culture—Safety Management Systems
- Safety & Security Training/Seminars

## ALPA TRAINING

ALPA spends thousands of hours and dollars training its dedicated ALPA pilot representatives in safety, security, and pilot assistance initiatives. Check out some of the training courses available and contact your pilot group for more information on how you can get involved in ALPA's Air Safety Organization.

ALPA's Aeromedical Office fields

**150+** pilot calls a day and makes 50+ liaison calls a day to the FAA and other agencies. Seven aviation medical professionals staff the office, and usually respond to a pilot's call within 1-4 hours.

## KNOWN CREWMEMBER

Sponsored by Airlines for America and The Air Line Pilots Association, Int'l

It operates at **29 airports** with 78 access points, **38 airlines** participate in it, and the crewmembers who have used it more than 7 million times, **nearly 208,000 times each week**, love it. It's Known Crewmember or KCM, the alternative security screening program that takes pilots a short 10 seconds to navigate and **saved passengers 52,000 hours of standing in line.**

ALPA is the world's largest nongovernmental aviation safety and security organization.

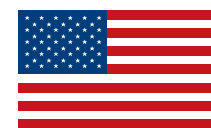
winner of **3** COLLIER TROPHIES

back to back, in 2007 and 2008, with ADS-B and the Commercial Aviation Safety Team (CAST), respectively. And the initial win in 1995, for being part of the team that designed the world's most advanced airliner, the Boeing 777.

E&AS is your liaison to officials from the following 13 organizations



Transport Canada  
Transportation Safety Board of Canada  
National Research Council Canada  
Canadian Air Transport Security Authority  
Royal Canadian Mounted Police  
NAV CANADA



Department of Homeland Security  
Department of Transportation  
Federal Aviation Administration  
National Aeronautics and Space Administration  
National Transportation Safety Board  
Transportation Security Administration



International Civil Aviation Organization

ALPA devotes approximately **\$8,000,000** a year to supporting the union's safety, security, and pilot assistance initiatives.

## FFDO Program

Many thousands of FFDOs protect the flight decks of U.S. airliners on more than **1.5 million flight segments per year**, at a cost of \$17 per flight segment, all within a budget of approximately \$25 million a year (see more on ALPA's fight to secure FFDO funding on page 22).



ONE LEVEL OF SAFETY

Encourages government regulators to require the **same high safety standards** on all airline flights—regardless of the size of the aircraft, the number of passengers, or the cargo load.

## NextGEN

ALPA engineers and pilot representatives develop **500 new RNAV procedures every year**

## 24-7 hotline

After an incident or accident, help for ALPA flightcrew members is only a phone call away via the **ALPA Worldwide Accident/Incident Hotline**. The E&AS Department responds to about **800 calls per year**.



## 400+ Air Safety Organization reps



To learn more about the E&AS Department and its representatives' work, check out the "Everything Matters" video on [youtube.com/wearealpa](http://youtube.com/wearealpa).

for **291 airports** across the country, which will potentially **save 5 million gallons of fuel at one major airport in one year.**

ALPA is heavily involved in developing new **pilot training and qualification standards**

in the **U.S., Canada, and internationally.**

