



EASA
European Aviation Safety Agency

Panel 1: Is General Aviation Safe enough?

Moderated by: Patrick Ky, EASA Executive Director

Speakers:

Mr Pekka Henttu, Finnish Transport Safety Agency, Director General

Mr Andrew Haines, UK Civil Aviation Authority, Chief Executive

Dr Earl F. Weener, NTSB, Member of the Board

Mr Patrick Gandil, French DGAC, Director General

Mr Peter Bunce, GAMA, President & CEO

Mr Martin Robinson, IAOPA UK, Senior Vice President

Your safety is our mission.

An agency of the European Union





GA fleet in Europe is shrinking?

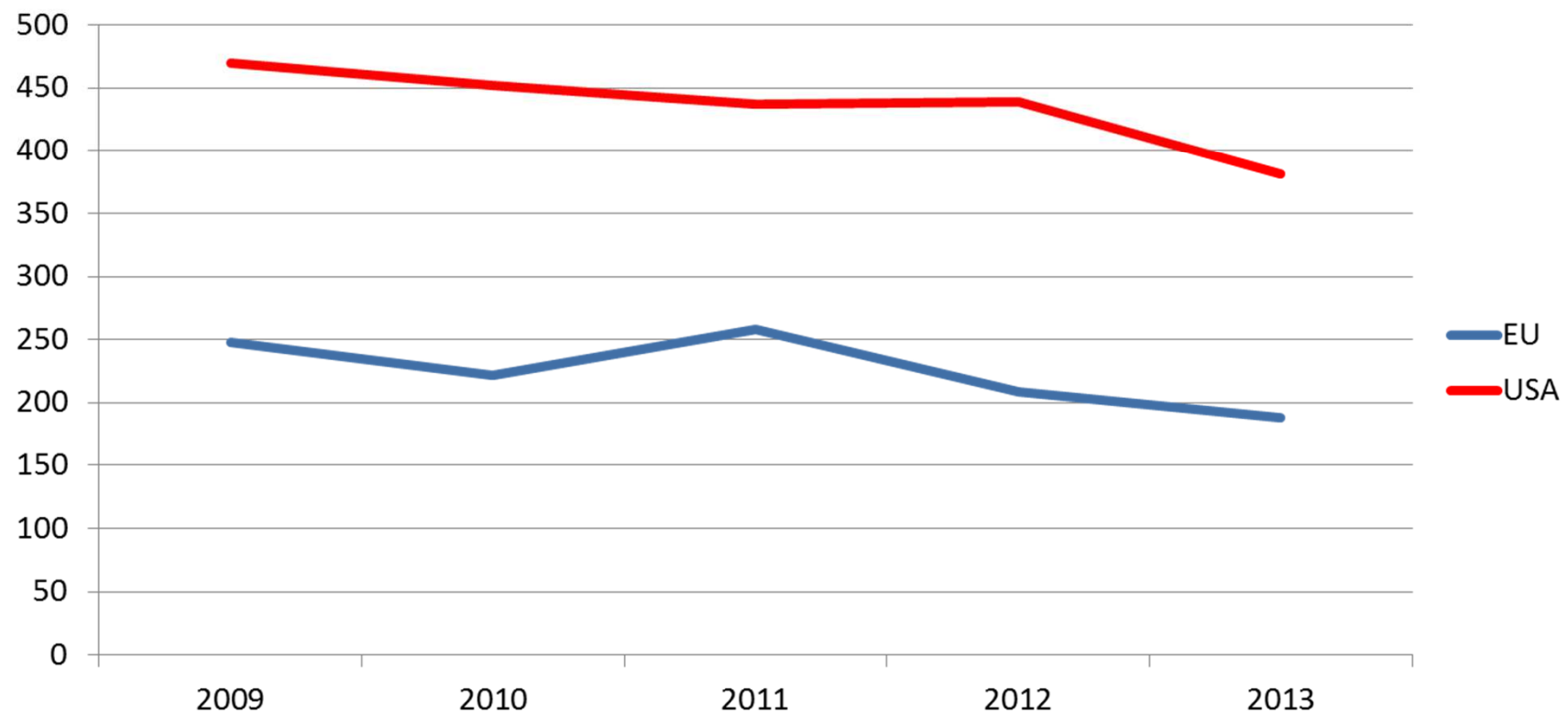
- In 2013, more than **200** aircraft were destroyed and another 600 were substantially damaged.
- On average every year, **170 new** aircraft are sold in Europe.

GA is getting smaller,
but is it because of aircraft losses?



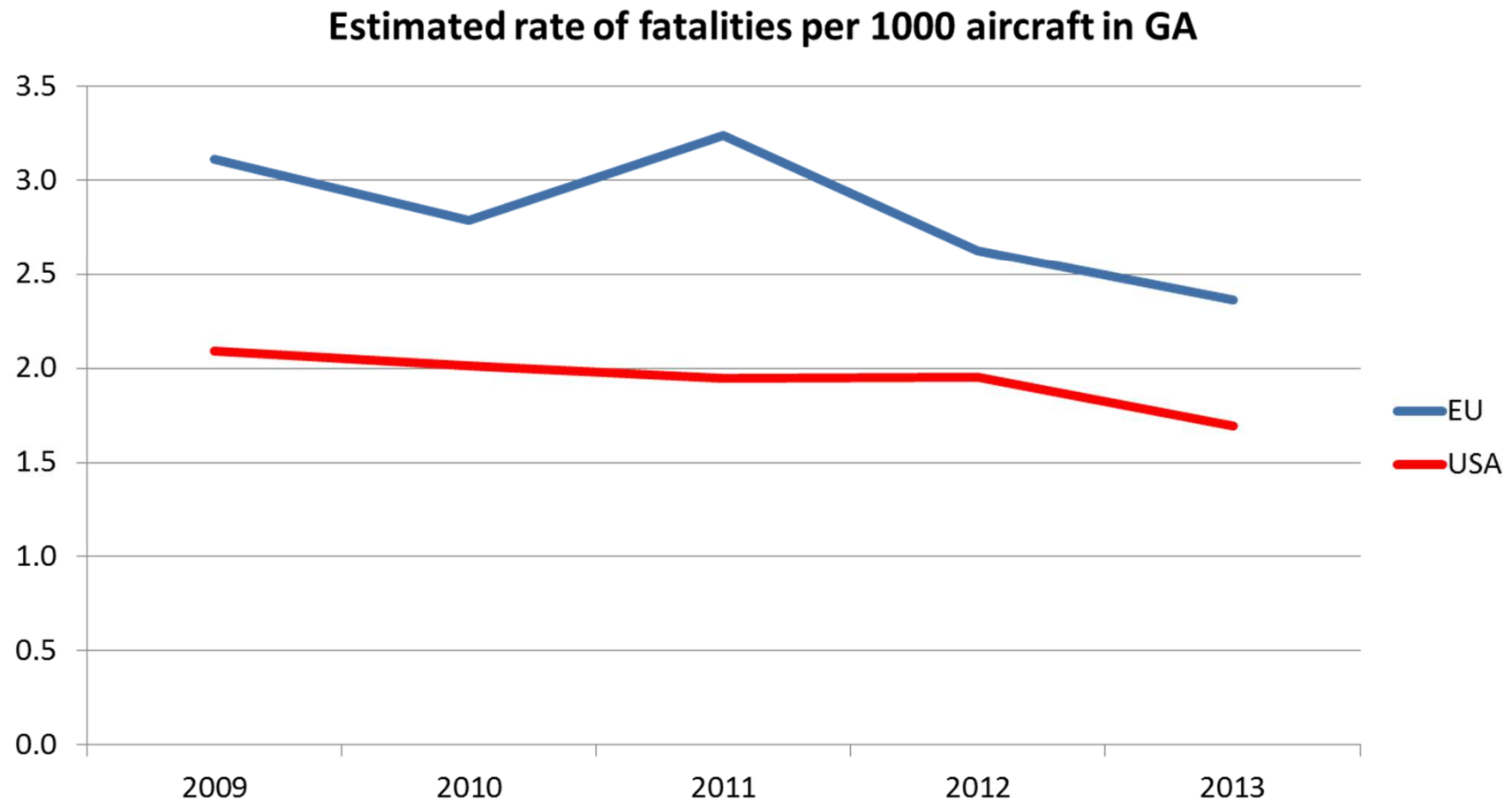
1,117 people lost their lives in 5 years

**Number of Fatalities in EU and USA -
5 year period**






Rate of fatalities worse EU than US



Panel 1: Is General Aviation safe enough?

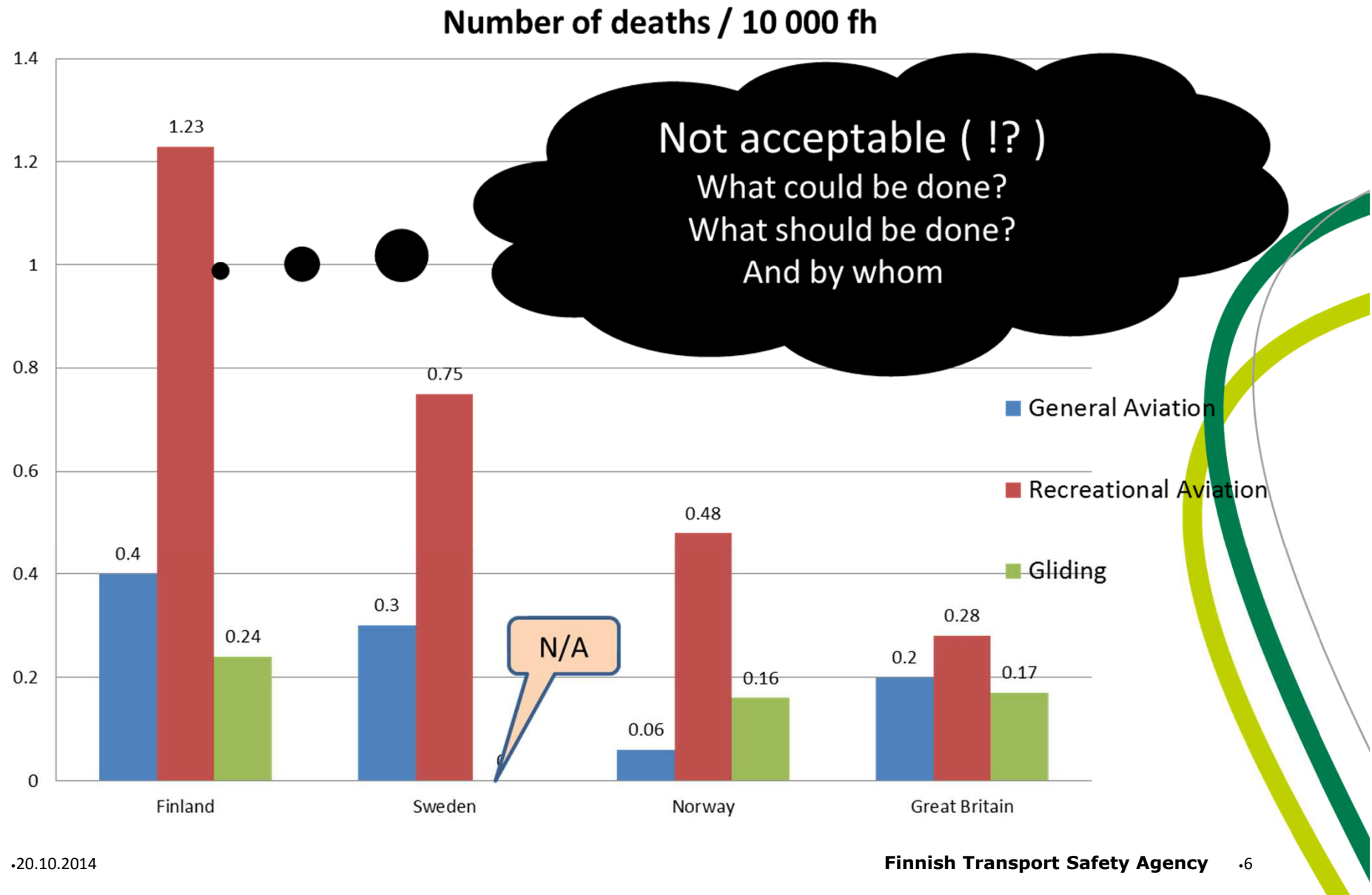
2014 EASA Safety Conference
Rome, Italy, 15 and 16 OCTOBER 2014
Pekka Henttu



*Responsible traffic.
Bravely together.*

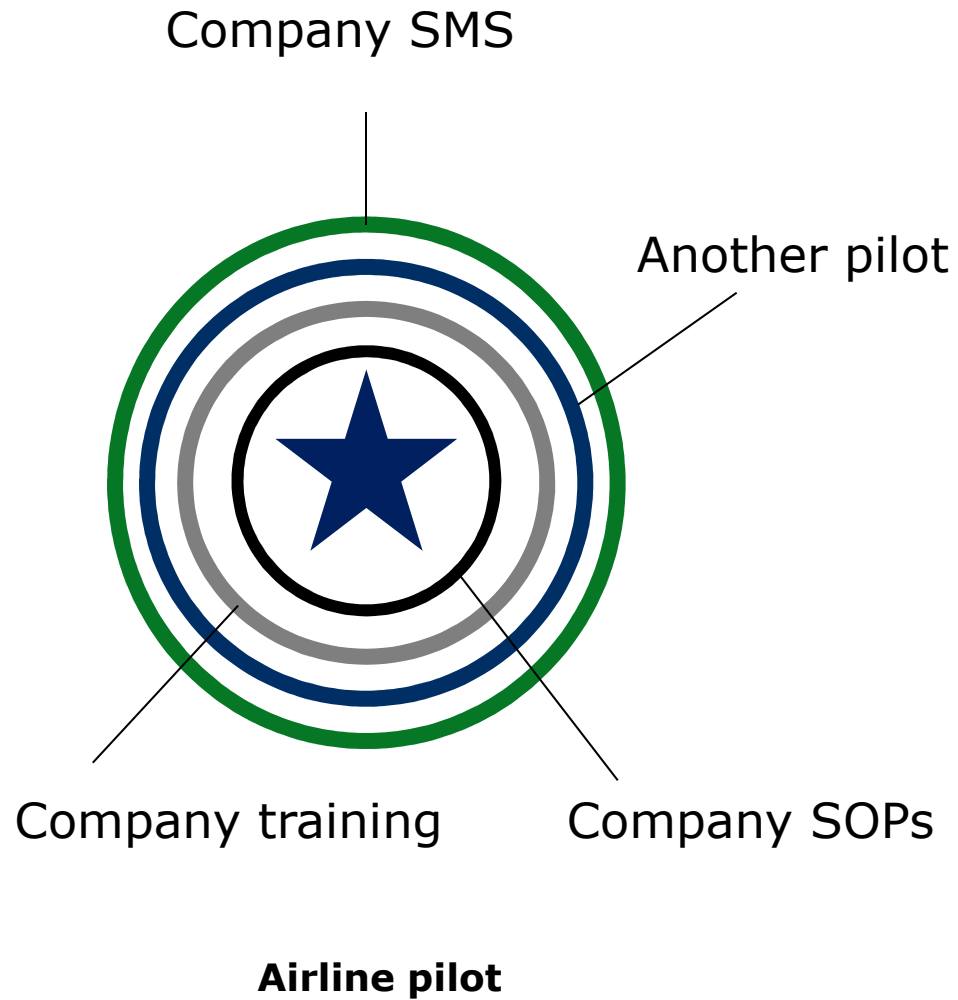
Is General Aviation safe enough?

Finland



Is General Aviation safe enough?

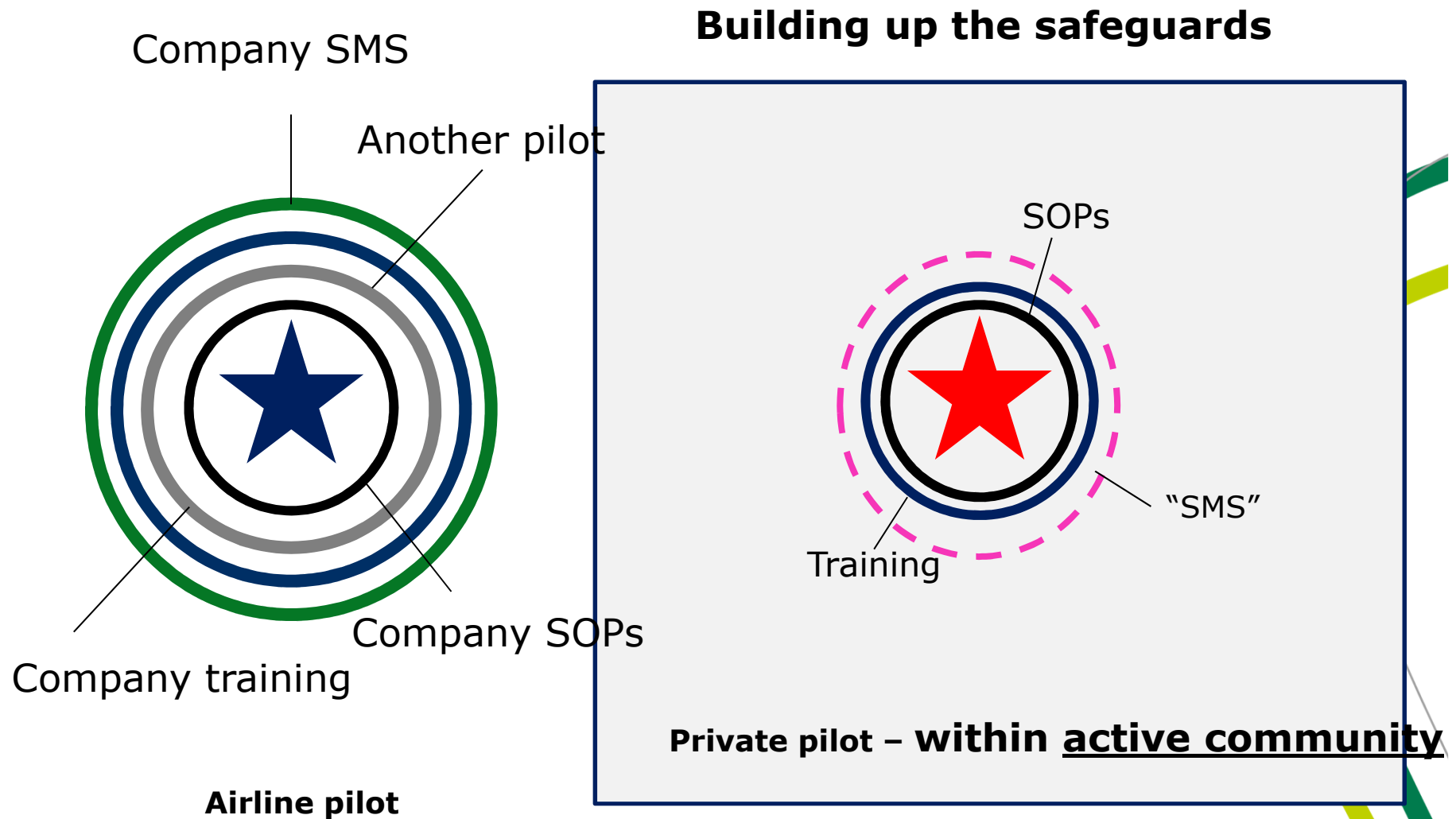
Pilot's safeguards



Private pilot

Is General Aviation safe enough?

Pilot's safeguards



EASA SAFETY CONFERENCE ROME 2014

Towards simpler, lighter, better rules for General Aviation



IAOPA

*International Council of Aircraft Owner
and Pilot Associations*

IAOPA

*International Council of Aircraft Owner
and Pilot Associations*

*International Council of Aircraft Owner
and Pilot Associations*

OCTOBER

ROME
IAOPA

Question: Is general aviation safe enough?

Answer: Yes, but its not risk free

TWO STUDIES THAT WERE DONE OUTSIDE OF EUROPE CAME UP WITH SIMILAR RESULTS

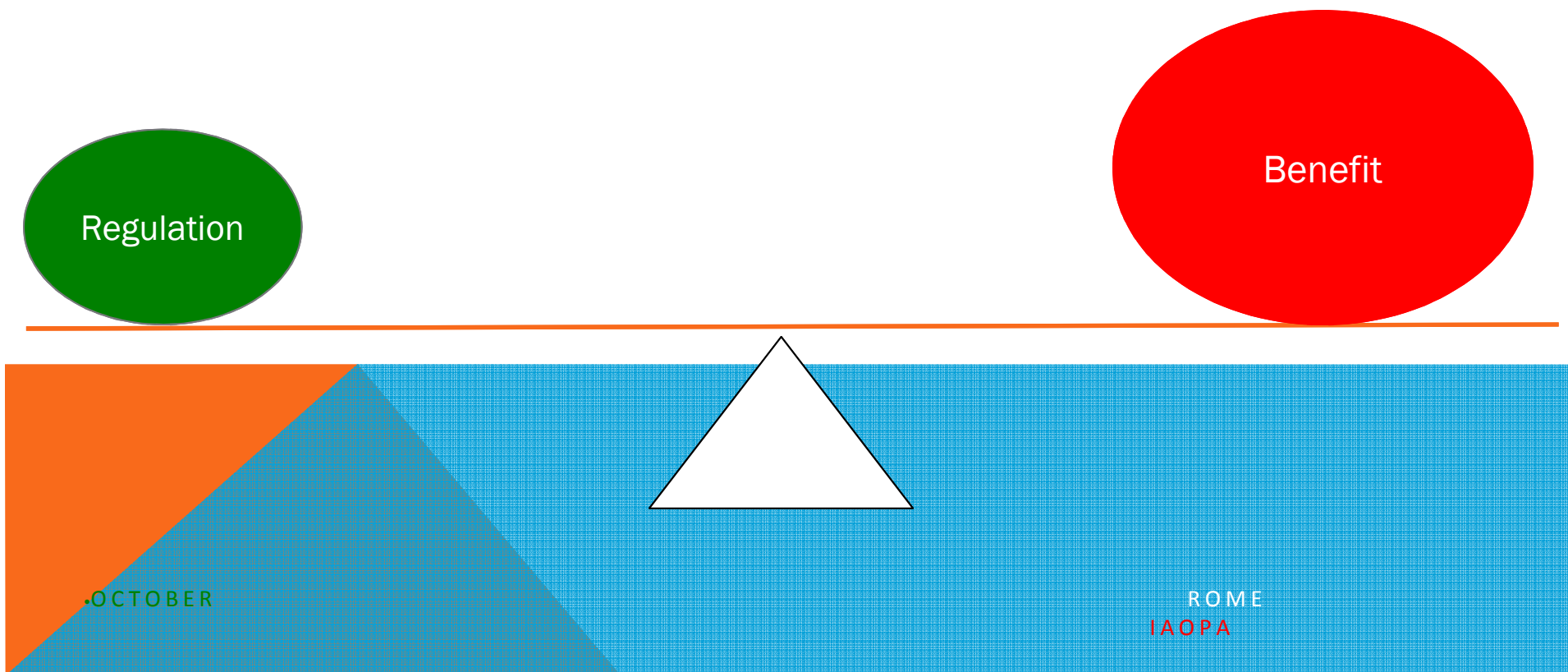
(SOURCE: FAA/CAA NEW ZEALAND)

In fatal accidents:

- 75% Related to the pilots attitude to risk
- 25% Related to skill

In Non-Fatal accidents

- 75% Related to skill issues
- 25% Related to pilot attitude





NTSB National Transportation Safety Board

United States General Aviation Safety Picture



EASA General Aviation
Annual Safety Conference
15 October, 2014

Earl F. Weener, Ph.D.
Member, NTSB

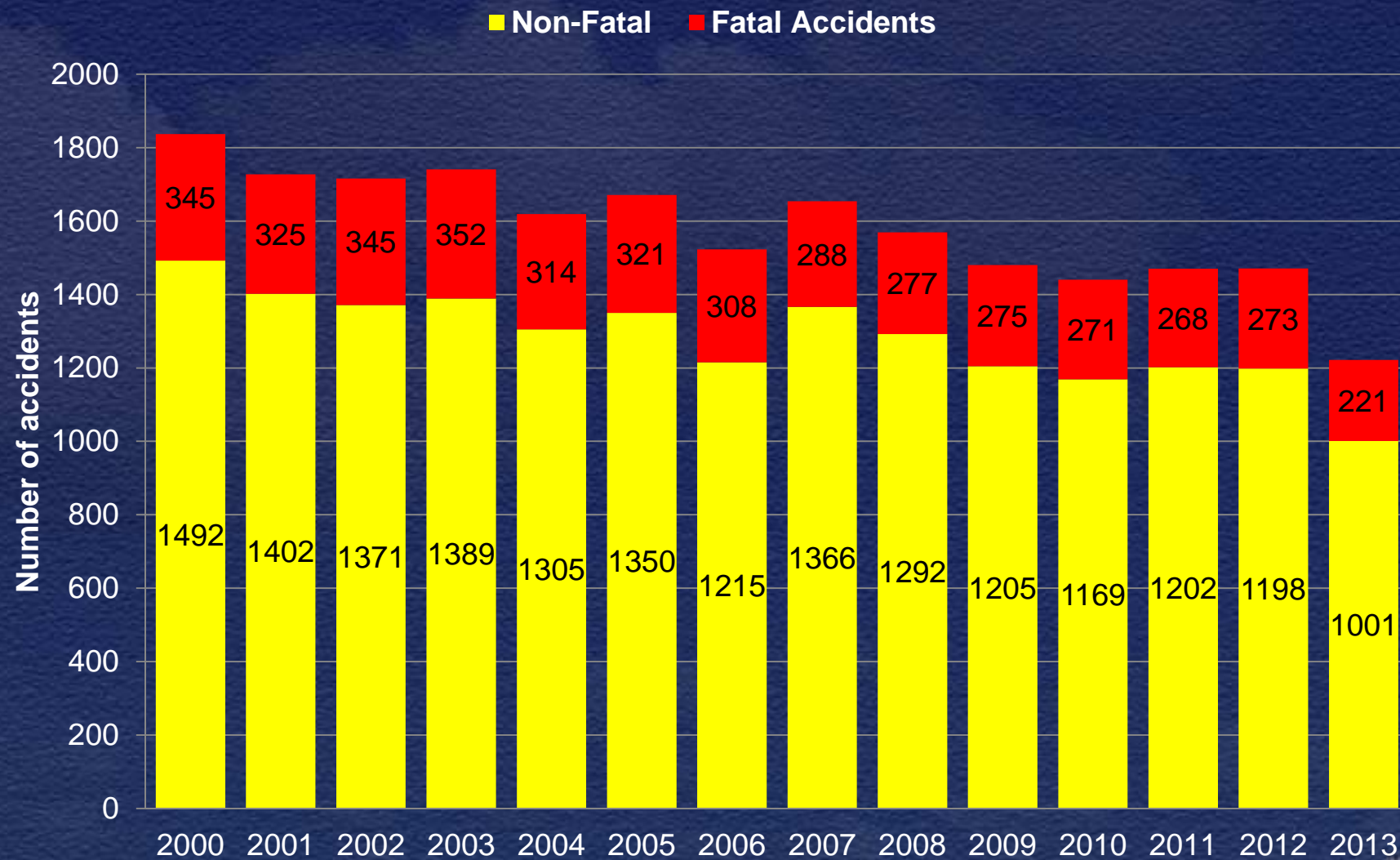
US General Aviation

- 600,000 Pilots with FAA Certificate
- 200,000 Aircraft in GA Operations
- 5,200 Public Use Airports
- 13,000 Privately Owned Landing Facilities
- 1,200,000 GA Related Jobs
- \$150,000,000,000 to Annual GDP

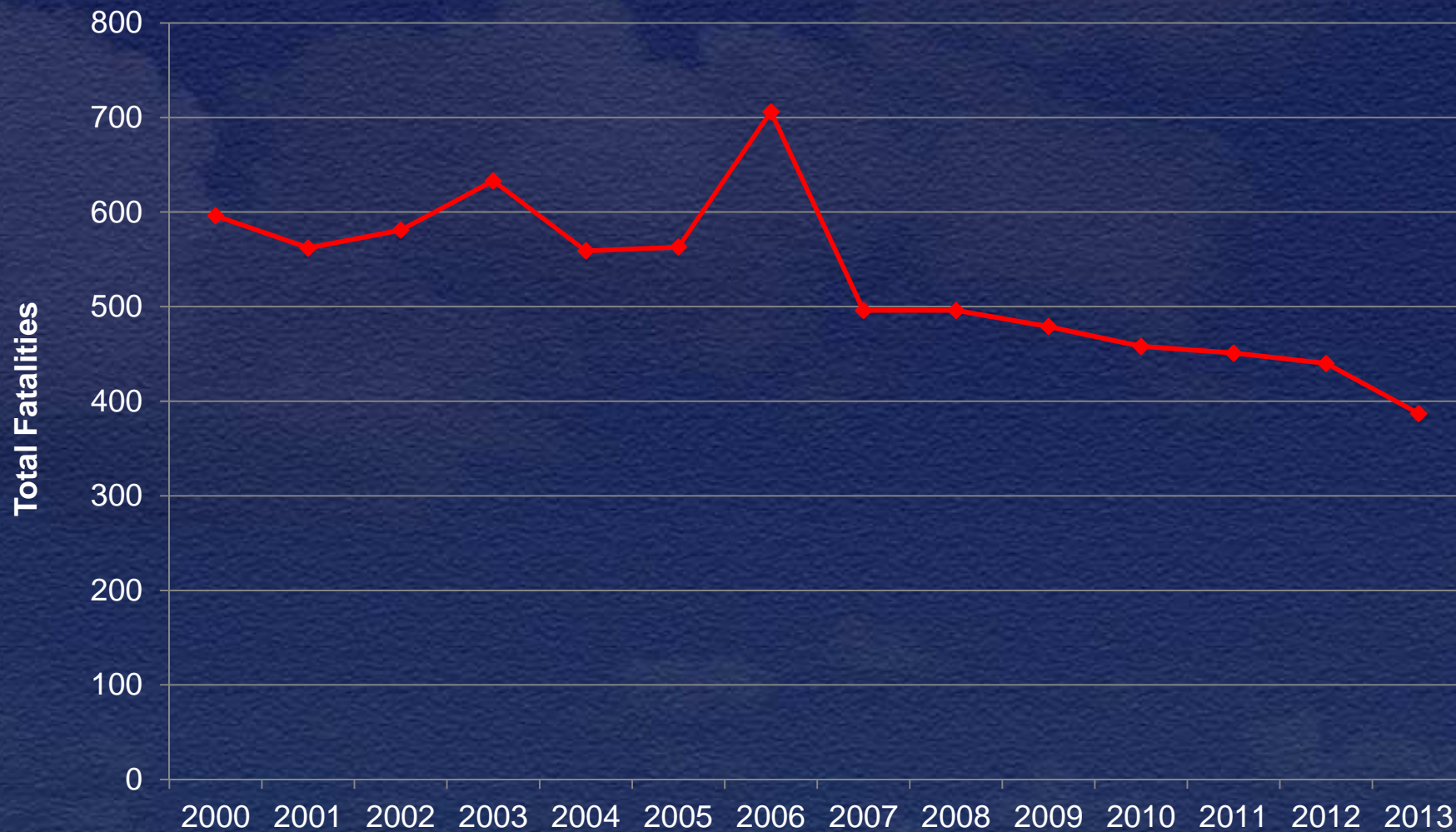
US General Aviation Aircraft (2012)

• Total GA Aircraft	199,651
– Fixed Wing Piston	141,086
– Fixed Wing Turboprop	8,432
– Fixed Wing Turbojet	8,864
– Rotary Wing	7,658
– Experimental Amateur Built	18,843
– Experimental Light Sport	4,631
– Exhibition	1,923
– Special Light Sport	2,001

All GA Accidents

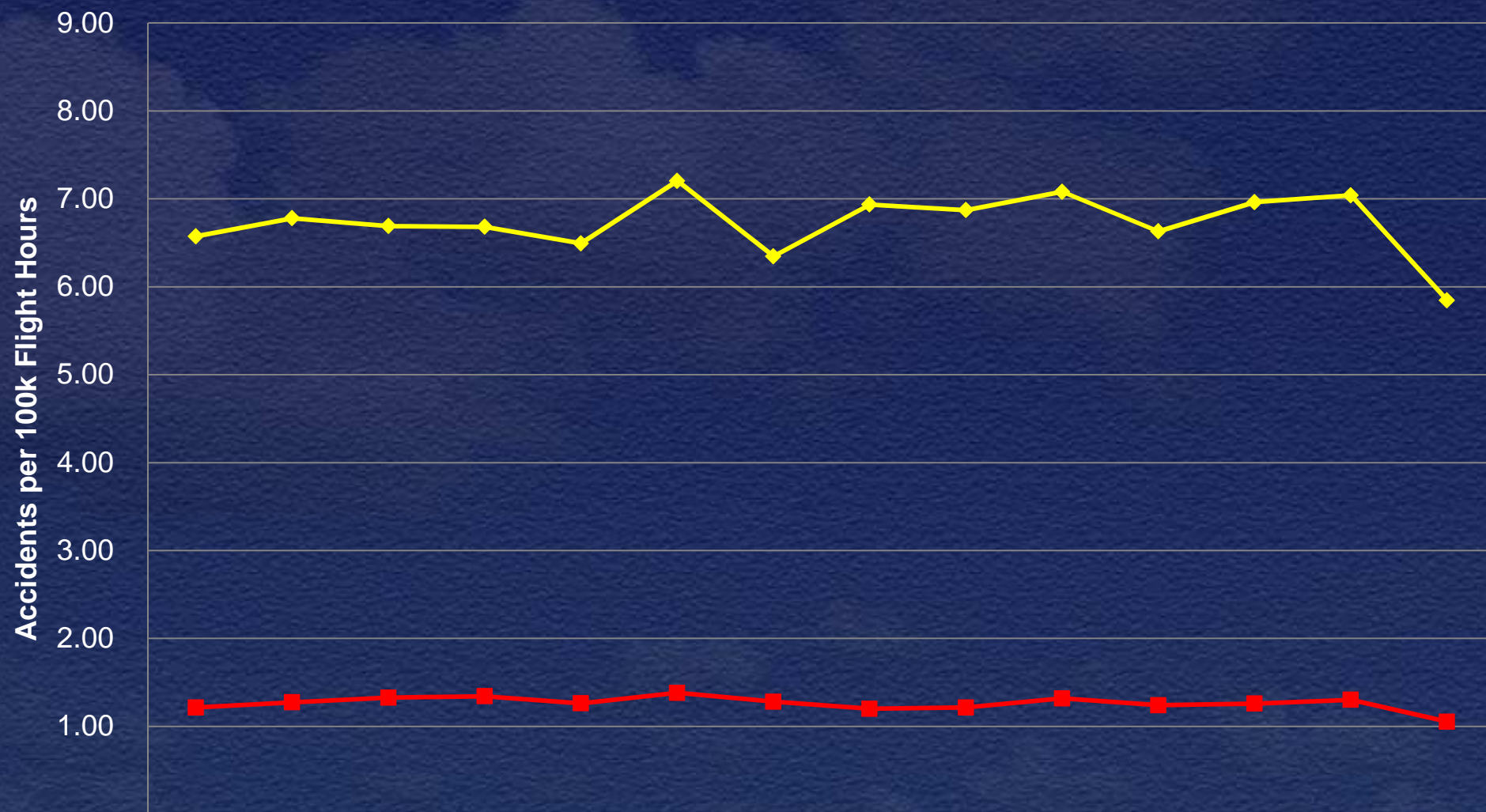


GA Accident-involved Fatalities



GA Accident Rates

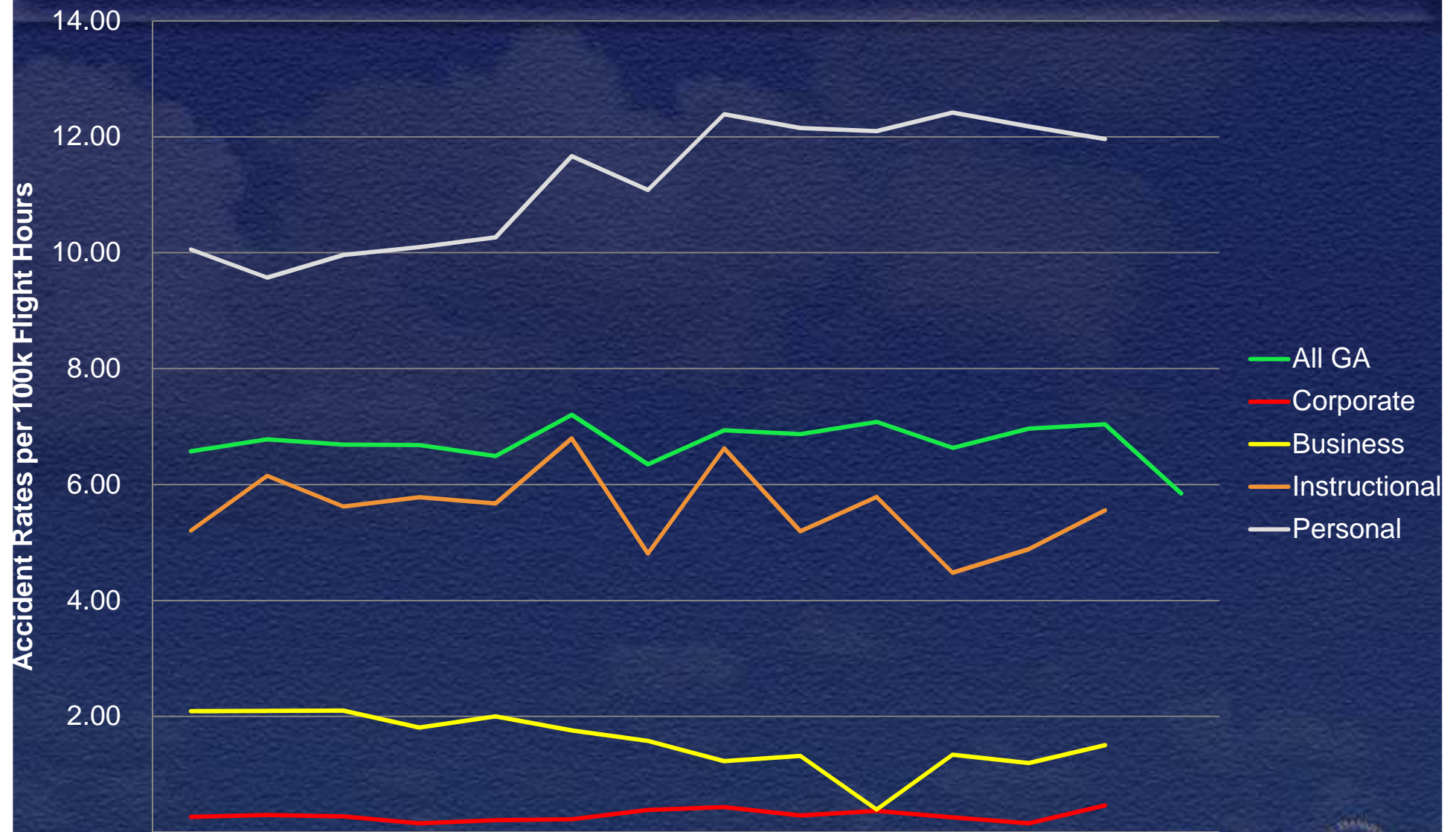
■ Fatal ◆ Total



*The 2011 GA Survey is currently not available. FAA is actively engaged in re-calibration efforts and expect to have validated 2011 data published at a later date.



Accident Rates per 100k Flight Hours



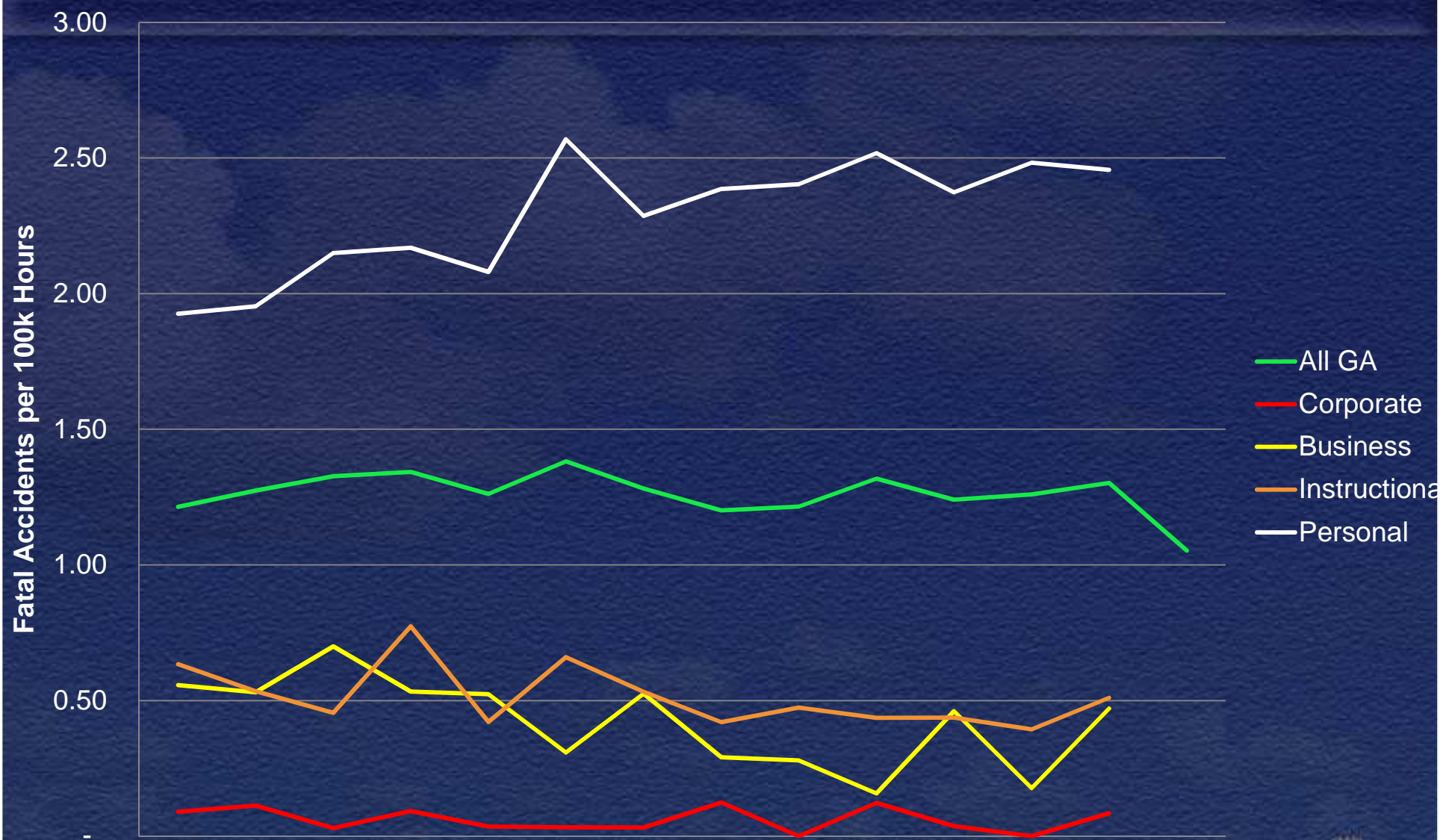
18

*The 2011 GA survey is currently being re-calibration efforts and expect to have validated 2011 data published at a later date.

NTSB



Fatal Accident Rates per 100k Flight Hours



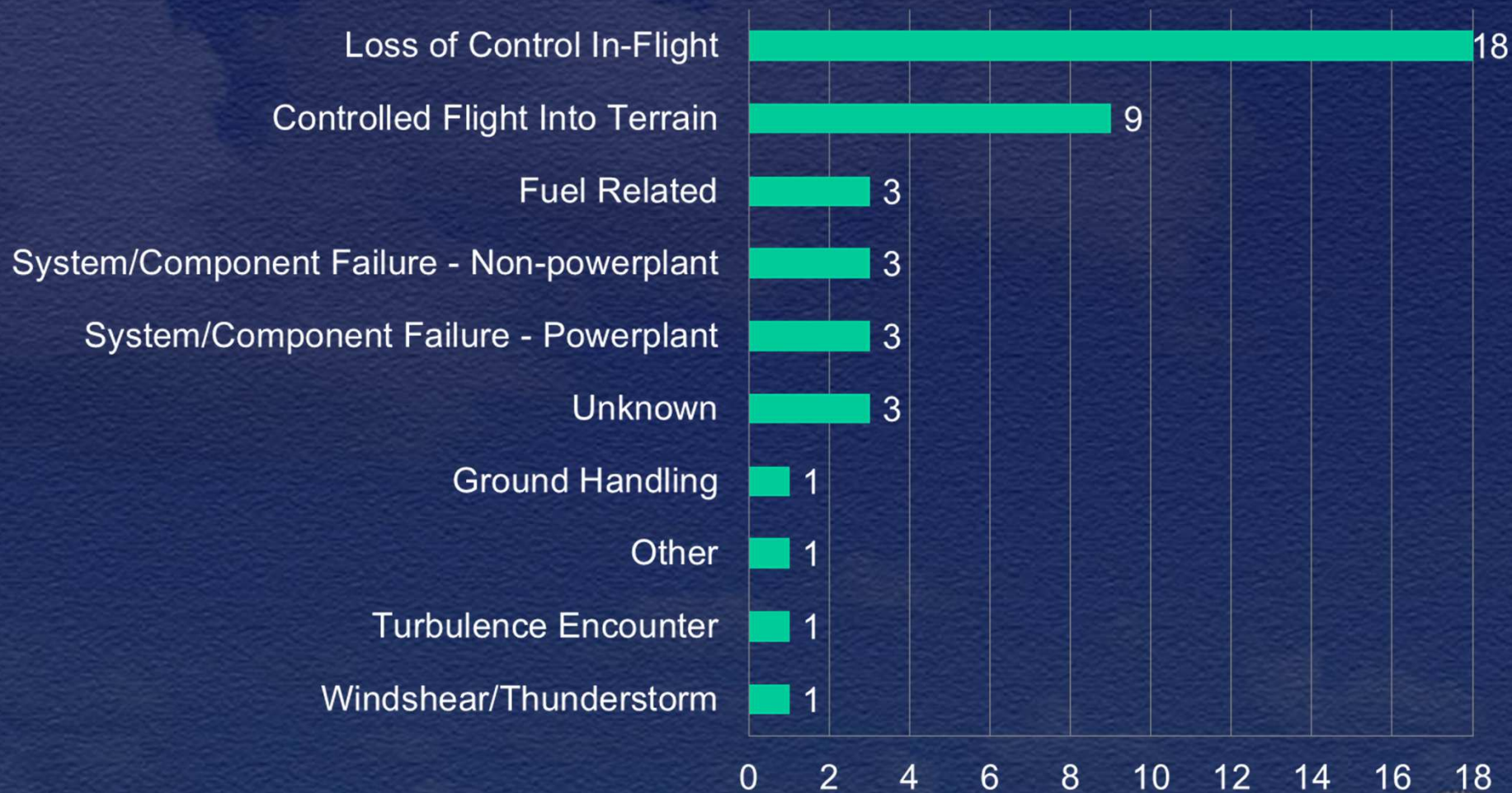
19 The 2011 GA Survey is currently not available. FAA is actively engaged in re-calibration efforts and expect to have validated 2011 data published at a later date.

NTSB



Business Flying, 2008-2013

Number of Fatal Accidents



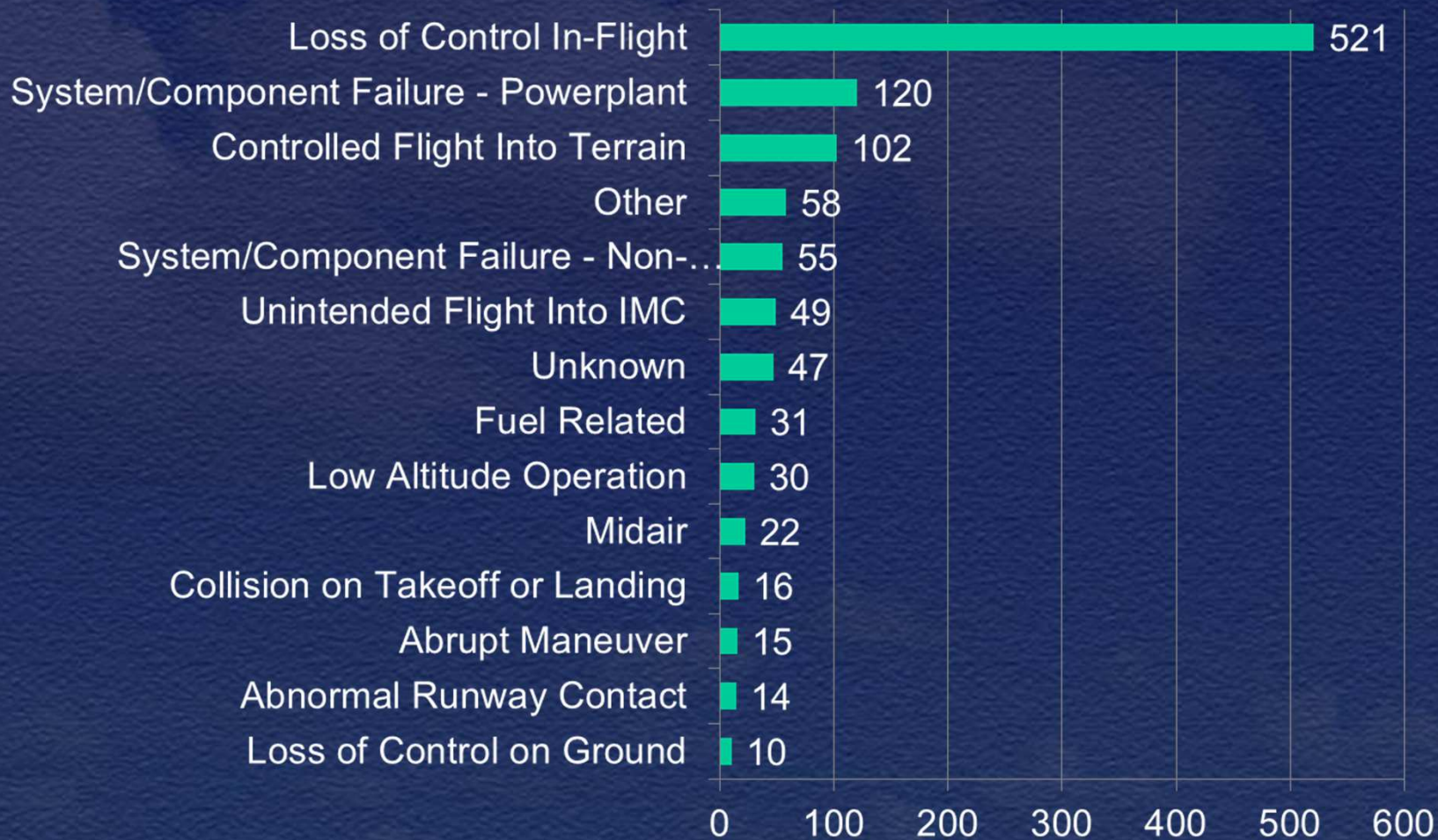
Instructional Flying, 2008-2013

Number of Fatal Accidents

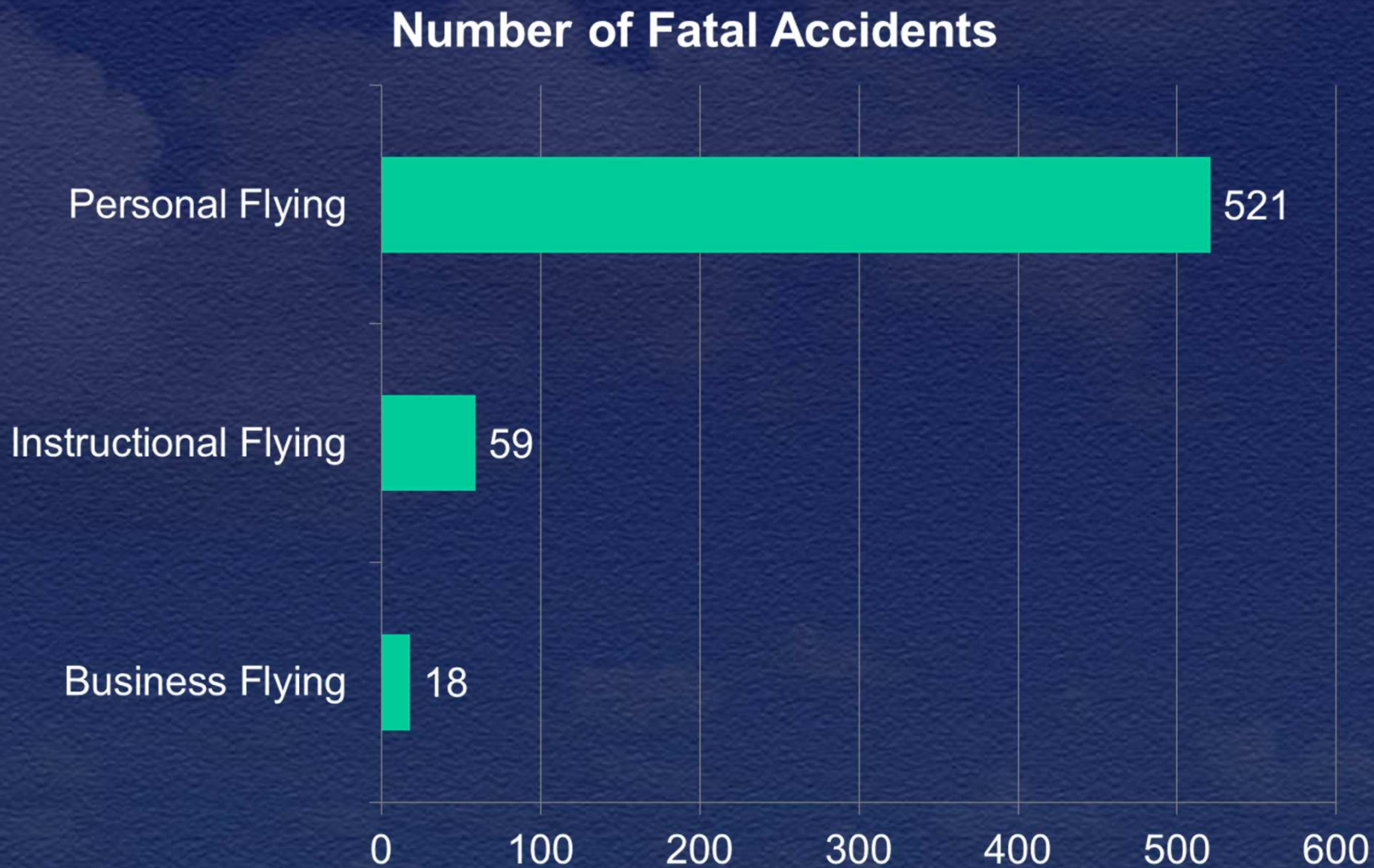


Personal Flying, 2008-2013

Number of Fatal Accidents



Loss of Control In-Flight, 2008-2013



Defining Fatal Accident Events

All Part 91 GA 2008-2012

- Loss of Control in Flight
- System/Component Failure – Powerplant
- Controlled Flight into Terrain
- Collision with Terrain/Object (non-CFIT)
- VFR Encounter with IMC
- System/Component Failure –
Non-Powerplant

Activities Underway

- NTSB Most Wanted List
- NTSB Safety Alerts
- GA Joint Steering Committee
- GA Summit Meetings

A black and white photograph of a large, multi-engine aircraft, possibly a turboprop, in a vast manufacturing hangar. The aircraft is positioned centrally, facing the viewer. Two workers are standing near the tail section. The hangar is filled with various equipment, workbenches, and structural elements, creating a sense of a busy industrial environment.

General Aviation Manufacturers Association

GAMA Washington

1400 K Street NW
Washington DC, 20005

GAMA Brussels

14 Rue de la Science
B-1040, Brussels

GAMA Dubai

Business Central Tower B 3101B,
S. Zayed Rd, PO 117733, Dubai



Fatal Accident Rate: Controlled Flight Into Terrain (CFIT), CY2002 – CY2012

