

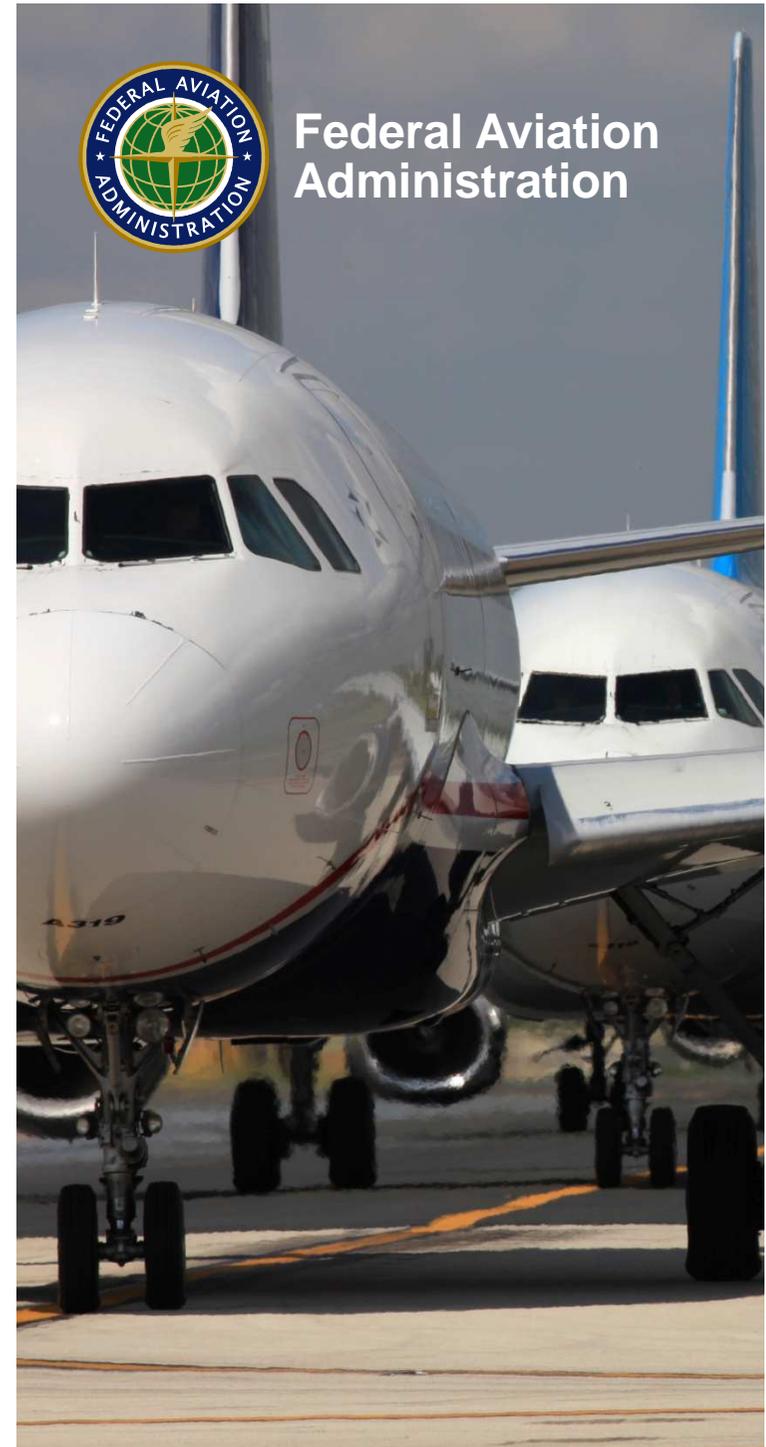
Training: Creating Today The Expertise For Tomorrow

Panel 4

**Presented to: EASA / FAA International
Aviation Safety Conference**

**By: John M. Allen, Director FAA Flight
Standards Service**

Date: 12 June 2013



Training: Creating Today The Expertise For Tomorrow

Panel Moderator:

- **John M. Allen**
 - Director, Flight Standards Service, FAA

Panel Members:

- **Trevor Woods**
 - Director, Approvals and Standardisation, EASA
- **George Novak**
 - Assistant Vice President of Civil Aviation, AIA
- **Belinda Swain**
 - Chief Airworthiness Engineer, Rolls-Royce
- **Gaoussou Konate**
 - Deputy Regional Director, ICAO



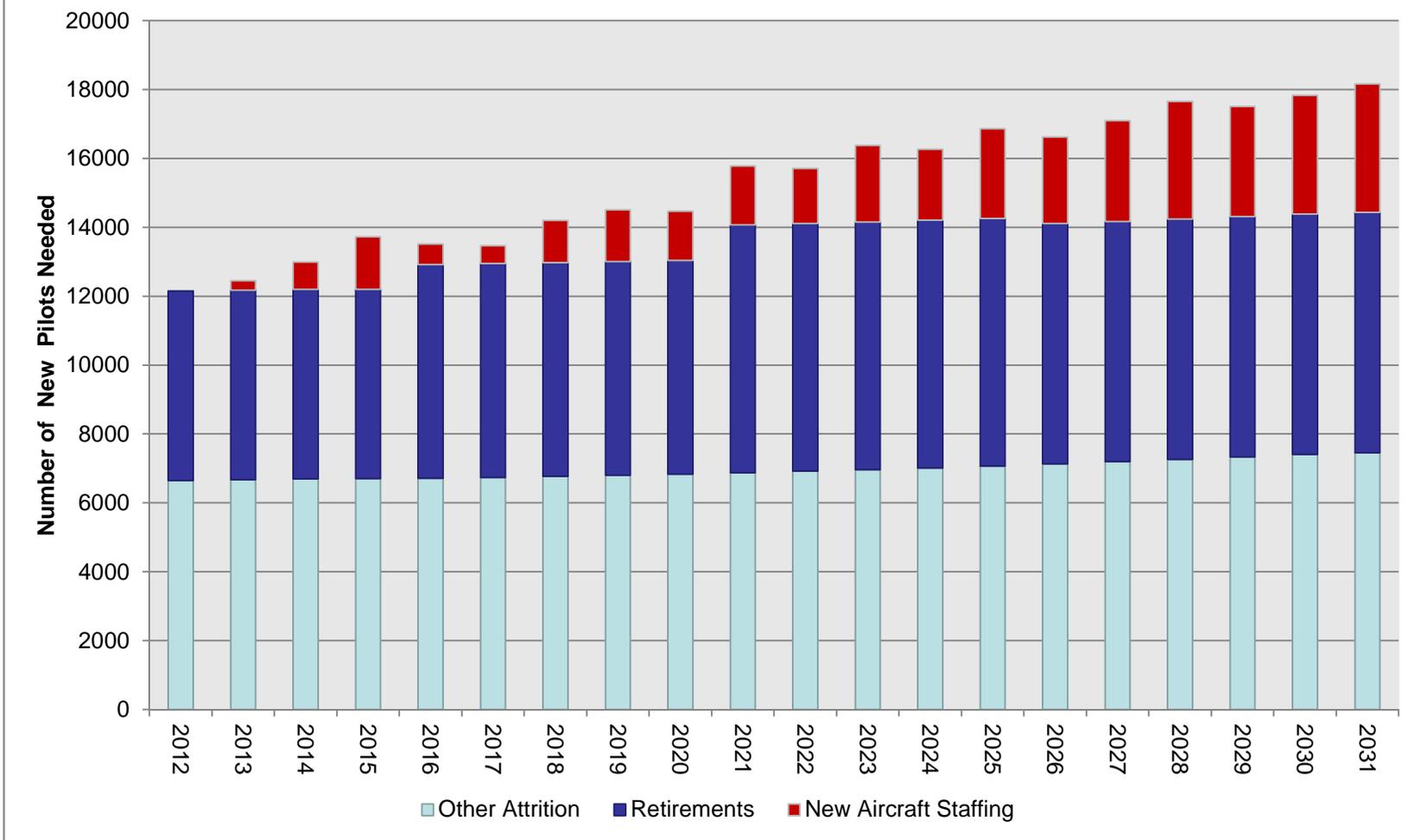
Long Term Forecast

Reason	New Pilots Required 2011-2030
Retirement	129,383
Aircraft Additions	40,917
Other Attritions*	138,414
Total	308,714

*Using a low rate of 2.50%



Forecast New Pilot Demand Per Year 2012-2031



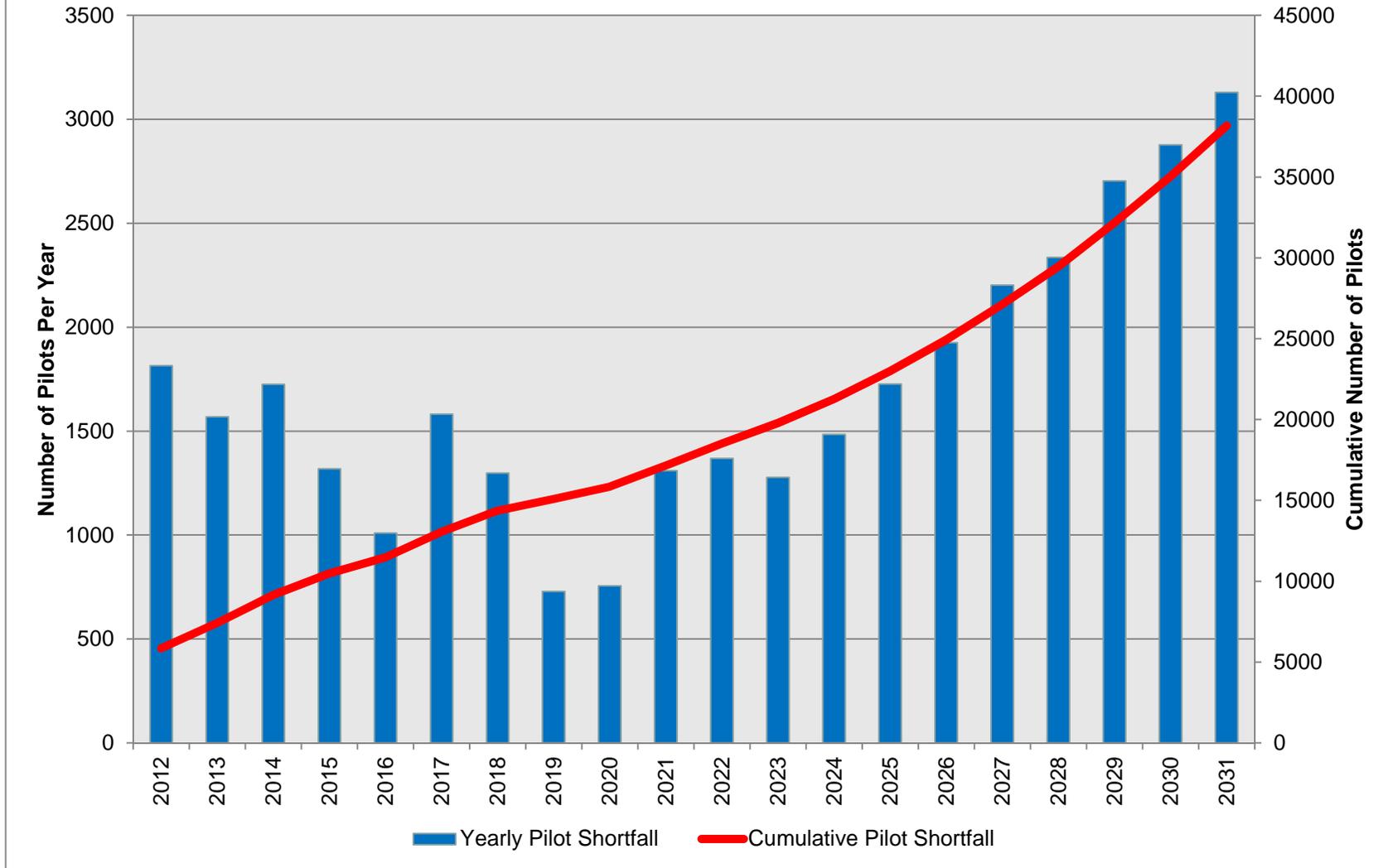
University of North Dakota Pilot Supply Brief: 2013S

Source: ATA, UND, 2012 FAA Forecast, 2010 FAA Airmen Statistics



Federal Aviation Administration

UND Forecast Pilot Shortfall 2012-2031



University of North Dakota Pilot Supply Brief: 2013S



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- **There is also substantial worldwide pilot demand over the next 20 years**
 - Many continents do not have infrastructure in place to train pilots
 - South America
 - Middle East
 - Africa
 - Asia
 - The United States and Europe will likely provide/train many of these pilots

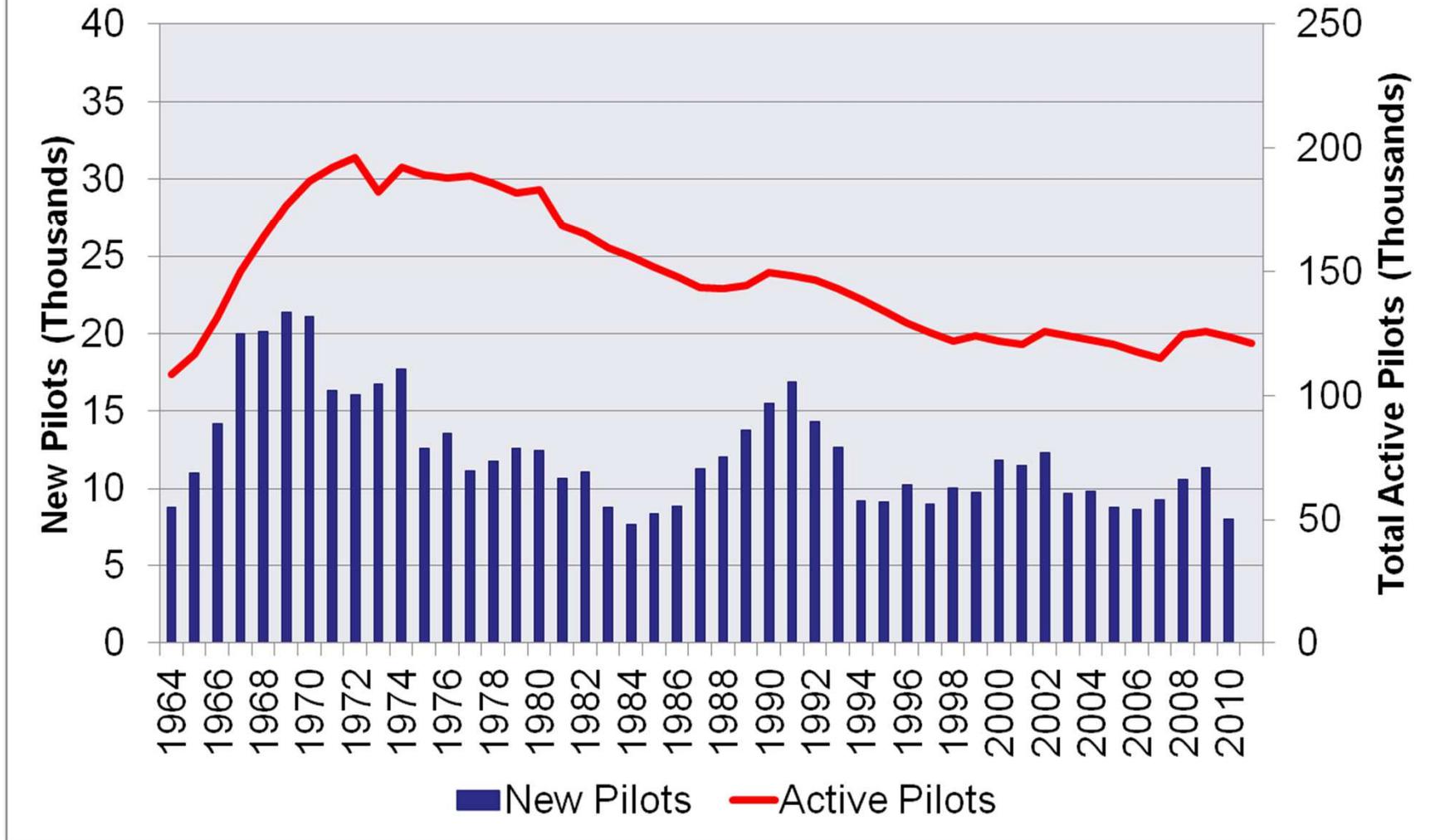


Forecast Risks

- **Unforeseen economic hardships**
- **ATP requirements**
- **Flight-time/duty-time**
- **Company growth constraints**
 - GHG caps
 - NextGen failures
- **MPL**
- **UAS**



New and Active Commercial Pilots – Historical



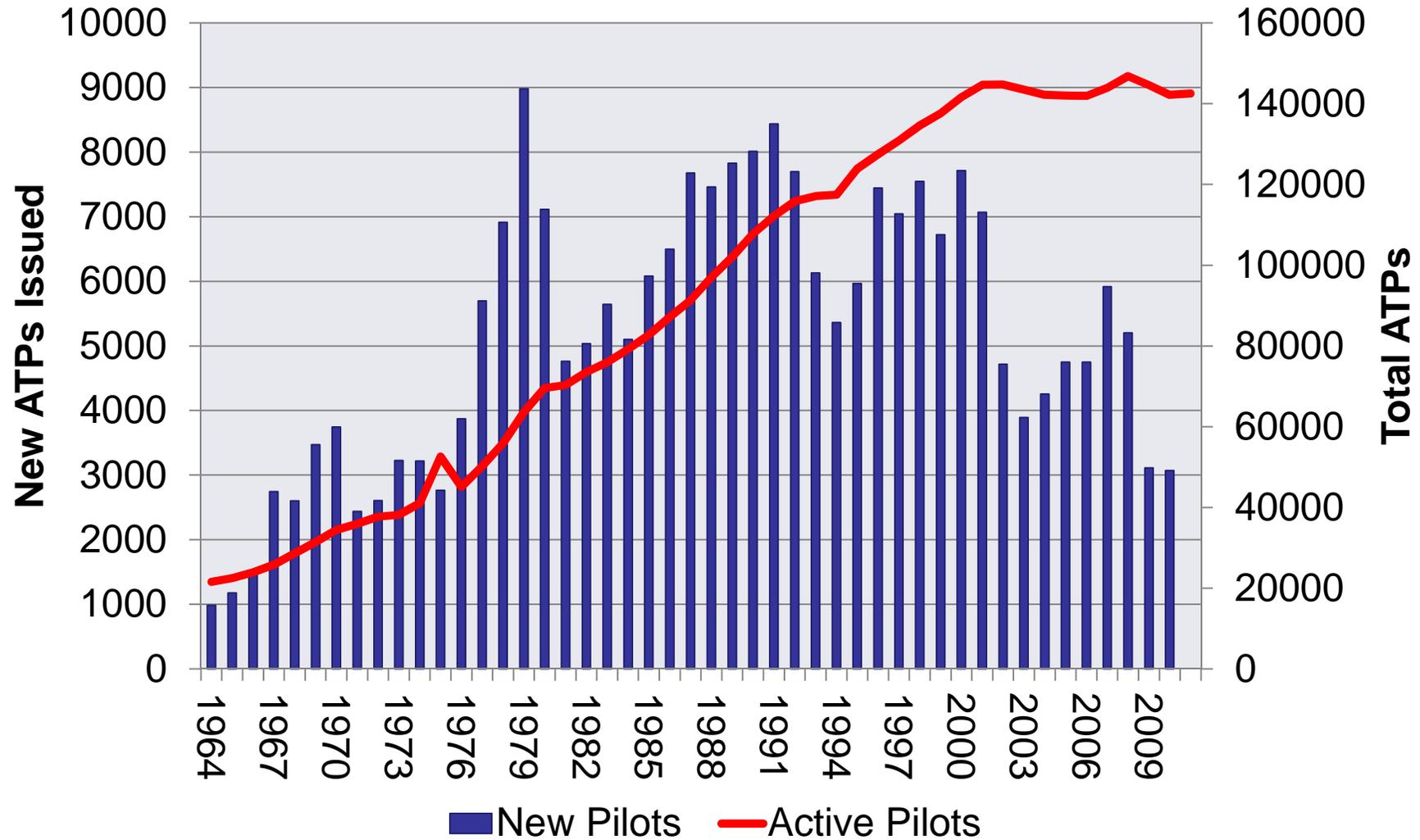
University of North Dakota Pilot Supply Brief: 2013S

Source: FAA Airmen Statistics, GAMA Statistical Databook



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New and Active ATP Pilots - Historical



University of North Dakota Pilot Supply Brief: 2013S

Source: FAA Airmen Statistics, GAMA Statistical Databook



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Skilled Aviation Shortages

- **Pilots**
- **Mechanics**
- **Engineers**
- **Regulators**



Questions To Ponder:



Which aviation professions will experience a shortage in the short and long term?

What approaches are you developing or implementing to address real or potential aviation professional shortages?

With changes to available opportunities and increased costs for training, how can we, as a community, work to ensure that a sustainable qualified pool of aviation professionals is in place to meet the global demand?

ICAO has working groups under its Next Generation of Aviation Professionals (NGAP). What other ways can regional partners use to leverage resources and opportunities for training?



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