Aug 14th, 8:30 AM - 9:00 AM

Welcome & Symposium Overview

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Welcome to the beautiful (and warm) Daytona Beach campus

We’re happy to host the 2017 NTAS gathering
  – Great agenda which promises discussions beneficial to all
  – Excellent speakers
  – Poster session
  – Wright Flyer
  – Photos with Orville and Wilbur
Why NTAS thirty years ago?

- Because of existing product liability laws, major aircraft manufacturers quit manufacturing GA training aircraft.
- Operators (trainers and educators) needed to gain information on what was out there.

Where did it start?

- Parks College of Saint Louis University
- Moved to CMSU in 1991
- Then to ERAU in 1998
Biology of Learning

Dr. John Medina
NTAS 2005
Dr. John Medina
Brain Science
When you unexpectedly encounter a creature that you are unfamiliar with, you quickly ask yourself three questions:

Will it eat me?

Can I eat it?

Can I mate with it?
NTAS 2006
VLJ

Eclipse 500

Piper Jet

Cirrus SF 50 Vision Jet

Cessna Mustang 510
NTAS 2008
New hire Pilot Yield
The Pilot Production Pipeline & Industry Cyclicality
• Became the Pilot Source Study
  – Informed Congress and HR 3371 (resulting from Colgan accident)
  – Language friendly to aviation higher education became part of the bill
  – Became part of PL 111-216
  – Informed the FO ARC
• Led to the R-ATP rule in the FAA (1,000 hrs rather than 1,500 hrs)
NTAS 2009
Safety Management Systems (SMS)

• SMS for:
  – Airlines
  – Maintenance
  – Education
Forthcoming NPRM on FO Qualifications

- Help participants respond to NPRM
- Create an understanding among employers
- Create an understanding among education and training providers
- Discuss potential equipment issues
NTAS 2013
Special Edition (Orlando – August)

• Presentation by Barbara Adams, FAA
  – Pilot Certification requirements
    Final Rule (July 15, 2013)
  – Section 216 (ATP Certificate)
  – Section 217
    • Revise the requirements for an ATP certificate
    • Allows for a reduction in the 1,500 hours required for an ATP certificate based upon academic coursework
Final Rule Provisions

Permit issuance of a restricted privileges ATP certificate

<table>
<thead>
<tr>
<th>Military</th>
<th>750 hours</th>
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</thead>
<tbody>
<tr>
<td>Bachelor’s Degree w/ aviation major</td>
<td>1,000 hours (60+ aviation credits)</td>
</tr>
<tr>
<td></td>
<td>1,250 hours (30+ aviation credits)</td>
</tr>
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<td>Associate’s Degree w/ aviation major</td>
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</tr>
</tbody>
</table>

*Final Rule effective date: July 15, 2013*
• Regional Airlines
• Major Airlines
• ALPA
• Educators and Trainers
• ATP/CTP Experience report
• Simulation and Training
  – ADS-B
Dr. Carolina Anderson – Session 1 Moderator
Advances in Flight Training