

Impact on the Education Community

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The Collegiate Component

▶ Pilot Source Study (2010)

► FO NPRM most harmful provisions

Selection of military vs collegiate pilots

Pilot Source Study

- Six regional airlines
- Six academic institutions
- 2,187 pilot records entered
- 2,156 valid records for data analysis
- Single data set
- No identifying information for pilot or airline

Mesa Air Group



Pilot Source Study



















EMBRY-RIDDLEAeronautical University



Pilot Source Study

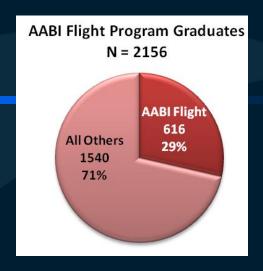
Most successful regional air carrier FO trainees shared three attributes:

- Graduated from AABI-accredited program
- Had some flight instructor time

Had between 500 and 1,000 total flight hours

AABI Flight

(Only those programs in the data set that meet the AABI Program Criteria for Flight Education)

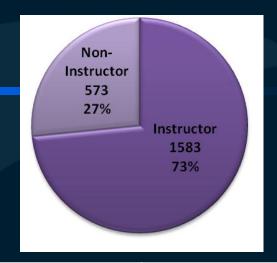


IV: Predictor	DV: Outcome	Statistical Test	Test Statistic	Significant?	
Variable	Variable				
AABI Flight	Extra Training	<i>t</i> -Test	t = 6.09***	Yes	
Programs	Events			*** <i>p</i> < .001	
AABI Flight	Completions	Chi-Square	$\chi^2 = 16.43***$	Yes	
Programs				*** <i>p</i> < .001	

- AABI flight programs produced fewer extra training events
- AABI flight programs produced comparatively fewer incompletes

INSTRUCTOR:

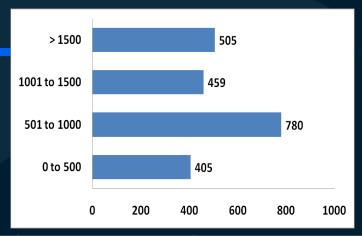
Was this pilot an FAA certificated flight instructor? (CFI, CFII, MEI, etc.) N = 2156



IV: Predictor	DV: Outcome	Statistical Test	Test Statistic	Significant?	
Variable	Variable				
Flight Instructor	Extra Training	<i>t</i> -Test	t = 3.987***	Yes	
	Events			*** <i>p</i> < .001	
Flight Instructor	Completions	Chi-Square	$\chi^2 = 9.884**$	Yes	
				** <i>p</i> < .01	

- Pilots who were flight instructors had fewer extra training events than pilots who were not flight instructors
- Pilots who were flight instructors had comparatively fewer incompletes

TOTAL HOURS: How many
Total Hours did the pilot have
at the beginning of training
with your airline?



IV: Predictor	DV: Outcome	Statistical Test	Test Statistic	Significant?
Variable	Variable			
Total Flight Hours	Extra Training	ANOVA	F = 3.31*	Yes
	Events			*p < .05
Total Flight Hours	Completions	Chi-Square	$\chi^2 = 17.24^{**}$	Yes
				** <i>p</i> < .01

- Pilots with 501 to 1,000 hours had fewer extra training events
- Pilots with 501 to 1,000 hours had comparatively fewer incompletes than expected

NTAS 2012 Recommendations for Academic Credit Related to Flight
Training Integrated with a University/College program or a Structured Flight Academy

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Educational Source of Aeronautical Knowledge	Academic Credit Value (hours)	CFI/CFII MEI Credit*	Advanced Jet Training Credit* (no-type rating)	Total Credit (Adding across)	Total hours Required for Restricted ATP (1500 minus total credit)	FOQ NPRM for Restricted ATP
4-yr Aviation University/College Accredited Program	350	200	200	750	750	1000
4-yr Aviation University/College Program	200	200	200	600	900	1000
2-year Aviation College Accredited Flight Program	150	200	200	550	950	1000
2-year Aviation College Flight Training Program	100	200	200	500	1000	1000
Flight Academy (part 141) Flight Training Program	100	200	200	500	1000	1000
Independent Part 141 Flight Training Program	50	200	200*	450	1050	1000
Independent Part 61 Flight Training Program	0	200	200*	400	1100	1000
Military "Fixed Wing" Flight Training Program				750	500	750
Table extracted and edited from the FOQ ARC report				NTAS 2012 Recommendation		

Notes: Individuals managing their own training through Part 61 and Part 141 programs not affiliated with university or structured programs must take a supplemental program as per Draft AC61-ATP in order to receive this credit.

* Examples include additional credit for Advanced Jet Training programs with no type rating conferred (200hrs), CFI (100hrs), CFII (50hrs), MEI (50hrs), for a total of (400hrs)

The ARC Recommendations Modified

► ATP Training methodology

► The use of full-flight simulators

Timeline for course approval

- ATP Training methodology
 - Currently
 - ▶ 24 hour ground school
 - ▶ 18 simulator hours
 - Proposed option
 - Imbedded in college curriculum

- ► The use of full-flight simulators
 - NPRM suggested FFS to accomplish certain events for ATP
 - Not supported by the FO ARC
 - Just as effective training can be accomplished with level 5 or above FSTD
 - Colleges/Universities do not possess FFS

- ► Timeline for ATP course approval
 - Default Current ATP August 2013
 - Time for the FAA to publish a new rule following close of comment period - 16 months (close of comment period was end of April, 2012)
 - Unlikely that new rule will be published prior to August 2013
 - ATP program training approval process will start at that point
 - How long for approval?

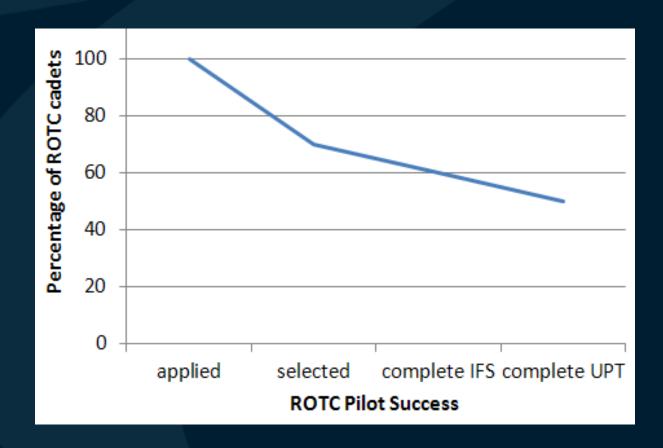
Selection of Pilots

Military Model

Collegiate Model

Selection of Pilots

Military Model



Selection of Pilots

Collegiate Model

