



Introduction

Professional Aviation Board of Certification and Global Professional Pilot Certification (GPPC)

Presented to
ICAO / NGAP TRAINAIR Plus
Regional Conference of The Americas

by
Peter J. Wolfe, PABC Executive Director
Quito, Ecuador / November 15, 2011



A Certifying (Testing) Body

- **Non-profit corporation**
- **Chartered in the U.S. - Jan 2003**
- **Independent – a *Neutral Party (Broker)***
- **Funding – Private / Grants & Exam Fees**
- **Oversight by Stakeholders, ISO & Industry Trust**



PABC Mission

To

Ensure Pilot Preparedness

To Enter the Professional Workforce

by

Using Written Examinations

Global Professional Pilot Certification (GPPC)



Why? ICAO's Concerned

*“... It is probable that the majority
of current airline transport pilot knowledge exams
fail to validate the necessary knowledge competencies
to proceed with indoctrination
to an international air operator.”*

*Global & Regional 20-year Forecast for Pilot's, Maintenance Personnel & Air Traffic Controllers
ICAO Doc 9956, pg. 42*



Why? So is the Flight Safety Foundation

The FSF study ranks the emerging threats to air safety:

1. Unprecedented growth
2. Lack of qualified personnel
3. Lack of political will
4. Safety management challenges
5. Rise of criminalization
6. ATC risks
7. Runway safety

Beyond Technical, AeroSafety World, Dec 07



Problem: Quantity & Quality

Pilot Demand exceeds Production


<i>Boeing Forecast 2010 to 2029 (20 years)</i>			
	PILOTS	YEARS	Per Year
North America	97,350	20	4,868
Europe	94,800	20	4,740
Africa	13,200	20	660
Middle East	32,700	20	1,635
Latin America	37,000	20	1,850
CIS	11,000	20	550
Asia-Pacific	180,600	20	9,030
		TOTAL =	23,333
		x 20	466,650

Global Production
15,000 CPL + IR / Year

- Deliveries / Routes
- Poaching
- Pressure



Sources: Demand - Boeing 2010 // Production – IATA 2007

 Stakeholder Input From			
Educators & Trainers	Employers	Insurers	
Manufacturers	Regulators	Pilots	Public
<ul style="list-style-type: none"> • ICAO / NGAP • EASA / FCL • FAA • Romanian CAA • Saudi Arabian GACA • Transport Canada / FCL • UK CAA • RAeS / FOG • ISO / ANSI 	<ul style="list-style-type: none"> • IATA / ITQI • ATA • ATA Canada • ERAA • RAA • IPPTG • Flight Safety Foundation • AOPA Air Safety Institute • UK Flight Safety Committee • Turkish Airlines 	<ul style="list-style-type: none"> • Airbus • Boeing • Embraer • IFALPA • CAE • FSI Training • EPST • OAA • AABI / UAA 	

 Stakeholder Recommendations	
<p>The GPPC Must</p> <ol style="list-style-type: none"> 1. Provide a common standard for all new professional pilots 2. Meet/exceed States' written test requirements for MPL & ATPL 3. Be developed by stakeholders & regulators 4. Test technical & non-technical knowledge, skill and competency 5. Be managed by an ISO-accredited, independent, non-profit body 	

PABC
PROFESSIONAL AVIATION
BOARD OF CERTIFICATION

Stakeholder Recommendations

The GPPC Must

- Provide a **common standard for all** new professional pilots

MPL	Ab Initio	Bridge
MPL	NH AC+Line	NH AC+Line
Phase 4	COMMERCIAL	GPPC
GPPC	MULTI-ENGINE	Jet & CB Ops
Phase 3	INSTRUMENT	COMMERCIAL
Phase 2	PRIVATE	MULTI-ENGINE
Phase 1	GPPC	INSTRUMENT
	Jet & CB Ops	PRIVATE

Serves ALL Professional Pilot Candidates

PABC
PROFESSIONAL AVIATION
BOARD OF CERTIFICATION

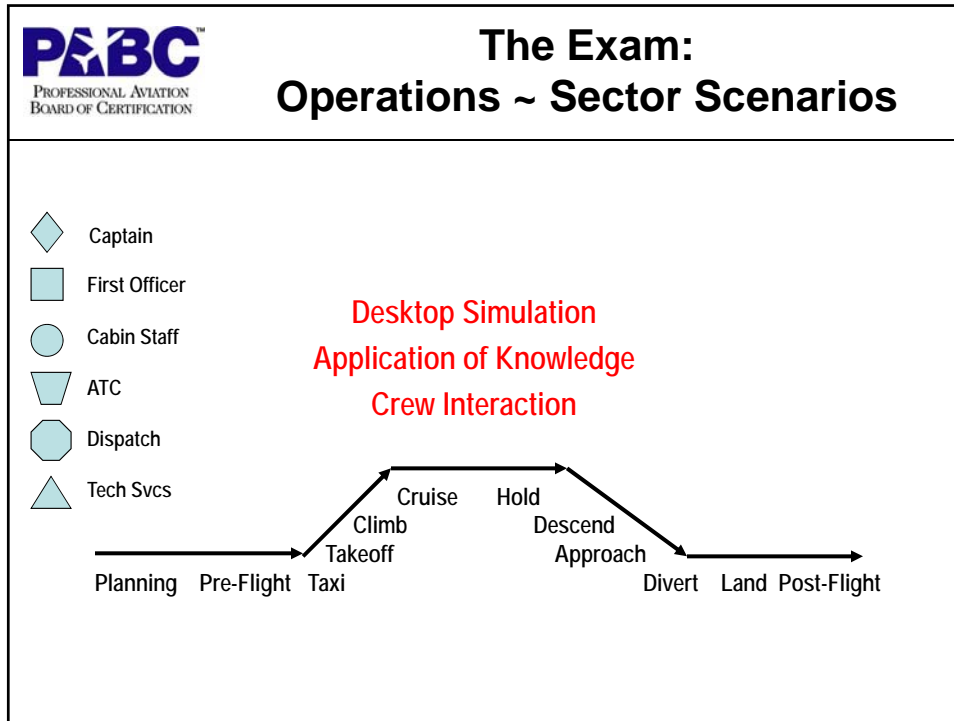
The Exam: Features

ATPL & MPL Theoretical Knowledge

- Aircraft General
- Performance
Planning
Mass & Balance
- Human Performance
- Meteorology
- Navigation
- Aerodynamics
- Air Law *
- Operations

- Types of Questions
 - Multiple Choice
 - True / False
 - Scenarios: Fill-in the Blank

* Air Law differences tested by State
** Aviation English tested separately



PABC
PROFESSIONAL AVIATION
BOARD OF CERTIFICATION

Stakeholder Recommendations

The GPPC Must

2. Meet/exceed States' written test requirements for MPL & ATPL

PABC
PROFESSIONAL AVIATION
BOARD OF CERTIFICATION


GPPC \geq State ATPL Exams

GPPC Exams \geq *Equivalence* State ATPL Exams


Prove it !

All are required for ISO Accreditation of PABC and GPPC

- Scope & depth of knowledge tested
- Compliance with:
 - ICAO SARPS
 - State Regulations
- Currency
- Security
- Effectiveness
- Operational Value (Importance)
- Fairness




GPPC Conditional Acceptance



GPPC Exams

≥ *Equivalence*

State ATPL Exams




Conditional Acceptance

BEFORE

Donors will fund the GPPC

We ask Regulators:

IF we can prove ≥ *Equivalence* while it's being developed
Would you grant *Conditional Acceptance* of the GPPC now?



Regulators' Responses

- ICAO / NGAP
- EASA / FCL
- FAA
- Romanian CAA
- Saudi Arabian GACA
- Transport Canada
- UK CAA

- Agree – tests need to be updated
- *Intrigued* by GPPC concepts
 - Industry-Government collaboration
 - Global safety benefit
- Impressed by ISO test features & functions
- See benefits in GPPC testing

BUT . . . lack staff and funds to:

- Create comparable State exams
- Participate in evaluation of GPPC



Help for Regulators

Globally – PABC will Fund

Contractor representatives for 5-6 State Regulators
to
Assess GPPC \geq Equivalence with their State’s exams

Most Widely Used ATPL Testing Systems

CASA CIS EASA/JAA FAA ___ ___



We Urge EASA State Regulators

- Accept PABC’s funding offer
- Evaluate our \geq **Equivalence** during development

IF We are proven \geq **Equivalent**

THEN The PABC will apply to States to serve as an **Alternative Means of Compliance** for State **MPL and ATPL** technical knowledge testing



The Sequence of Events

Vital to Success

1. State Regulators
 - Provide **Conditional Acceptance**
2. PABC & GPPC
 - Raise development funds
 - Prove \geq **Equivalence**
3. State Regulators
 - Provide Final & Ongoing Acceptance




Why Seek \geq EQUIVALENCE ?

\geq Equivalence creates the GPPC's Value for:

- Employers
- Training Providers
- Funding Systems for Pilot Training
- Current and Future Pilot Candidates
- The Public we Serve

Serves 100% of new trainees

 PROFESSIONAL AVIATION BOARD OF CERTIFICATION	<h2>GPPC Benefits</h2>
AvEd Employers Insurers Manufacturers Pilots Public Regulators	<ul style="list-style-type: none">• Enhances aviation safety• Supports MPL & updated ATPL testing• Raises standards without harmonization• Reduces test management costs for regulators• Improves training quality• Recognizes best trainers• Increases pilot production• Strengthens trainee funding initiatives• Proves pilots' preparedness• Simplifies licensure conversion (mobility)• Reduces training costs

 PROFESSIONAL AVIATION BOARD OF CERTIFICATION	<h2>We Ask You</h2>
	<ul style="list-style-type: none">• Urge your State regulators to:<ul style="list-style-type: none">– <i>Conditionally Accept</i> the GPPC– Accept PABC's financial support• Encourage participation by stakeholders



THANK YOU
for your time, interest & counsel

Peter J. Wolfe
PABC Executive Director

pjwolfe@pabc.aero
www.pabc.aero

23