

**FLIGHT
SAFETY**



F O U N D A T I O N

Air Charter Safety Symposium

**William Voss
March 4, 2009**

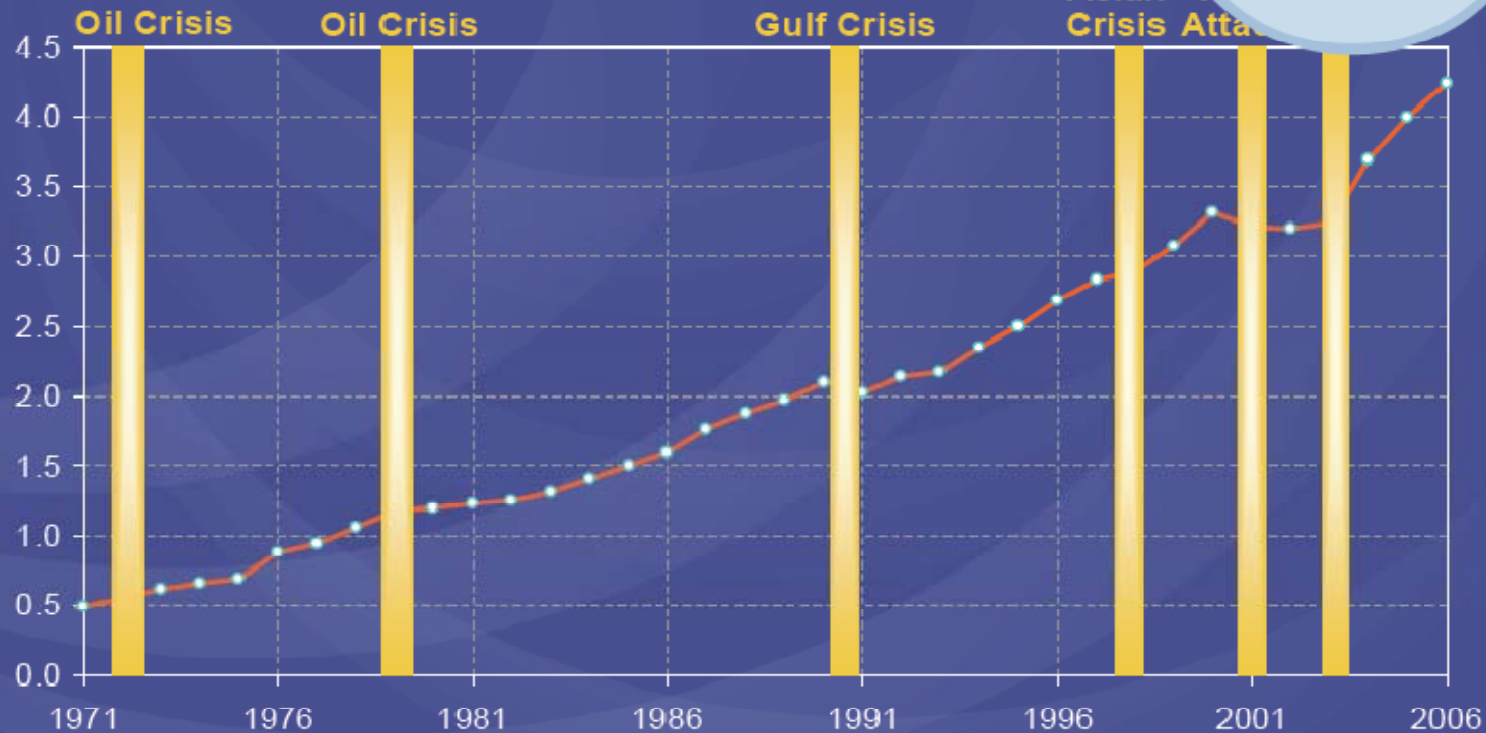
The Driving Force of Growth

- We are in the middle of an explosion of the world's middle class
- About 70 million people a year globally are entering this wealth group
- Accelerating to 90m a year by 2030
- In 20 years 2bn people will have joined the ranks of the middle class

*Source: Chief economist, Goldman Sachs, **July 2008***

Air travel resilient to external shocks

World annual traffic
Trillion RPKs



Source: ICAO, Airbus estimate for 2006



2006 - 2010: highest traffic growth in emerging and large population regions

Fastest growth in large markets

Growth regions

China	+10.8%
India	+9.8%
Eastern Europe	+9.7%
Middle East	+8.0%
CIS	+7.4%
Asia*	+7.1%
Africa	+7.0%
Latin America	+6.2%

5.4 billion people

Developed regions

Australia	+6.6%
Western Europe	+5.6%
Japan	+4.7%
North America	+4.1%

1 billion people

Note: * Asia excludes India & China

Source: Airbus Research & Forecasts



What about the Regulator?

- 190 state regulatory agencies

“With respect to aircraft operations, approximately half of the audited states have an insufficient number of flight operations inspectors to adequately perform safety oversight of civil aviation activities.”

ICAO

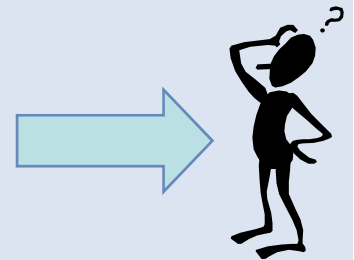
A Need To Move Past Compliance

13,000 ICAO standards

30,000+ ICAO specs and
recommended practices

??? State regulations and
guidance

??? Mandatory company
procedures and SOPs

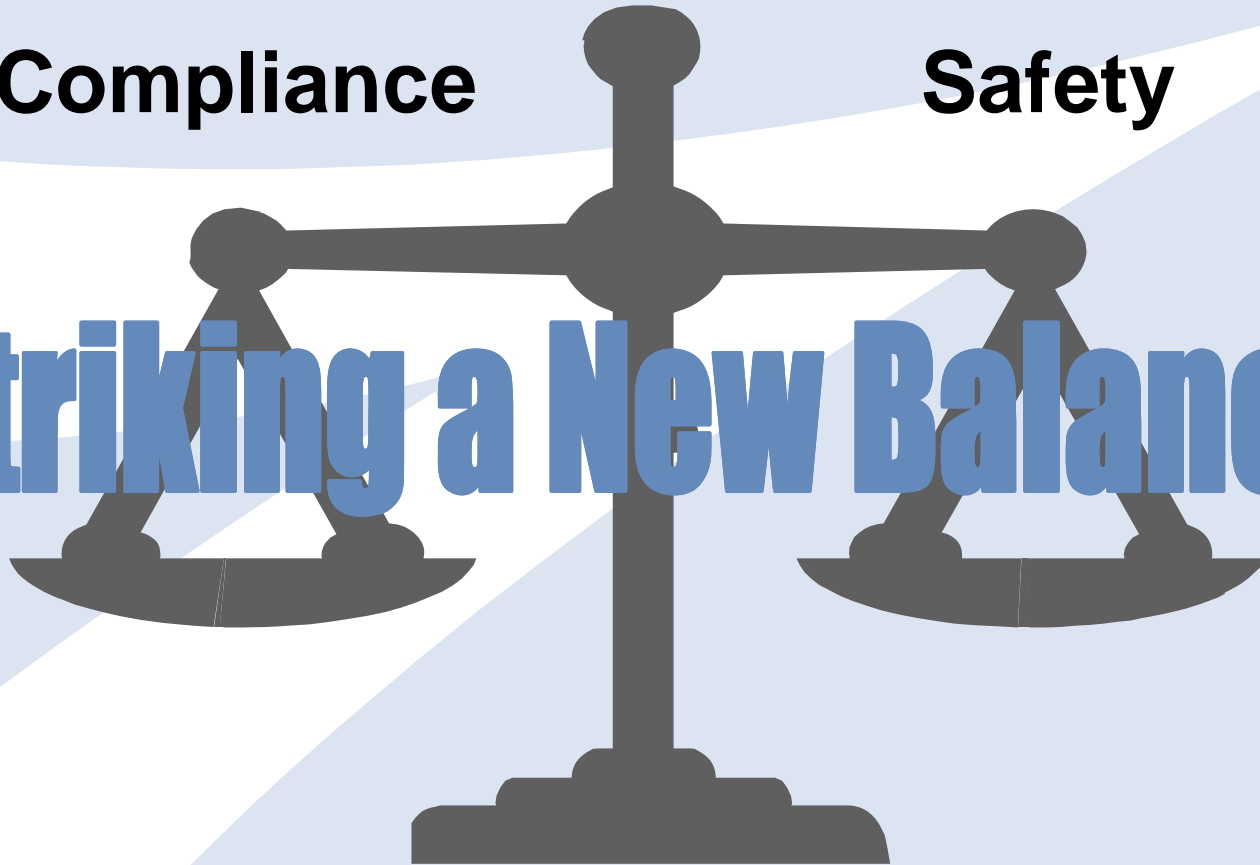


The New Challenge

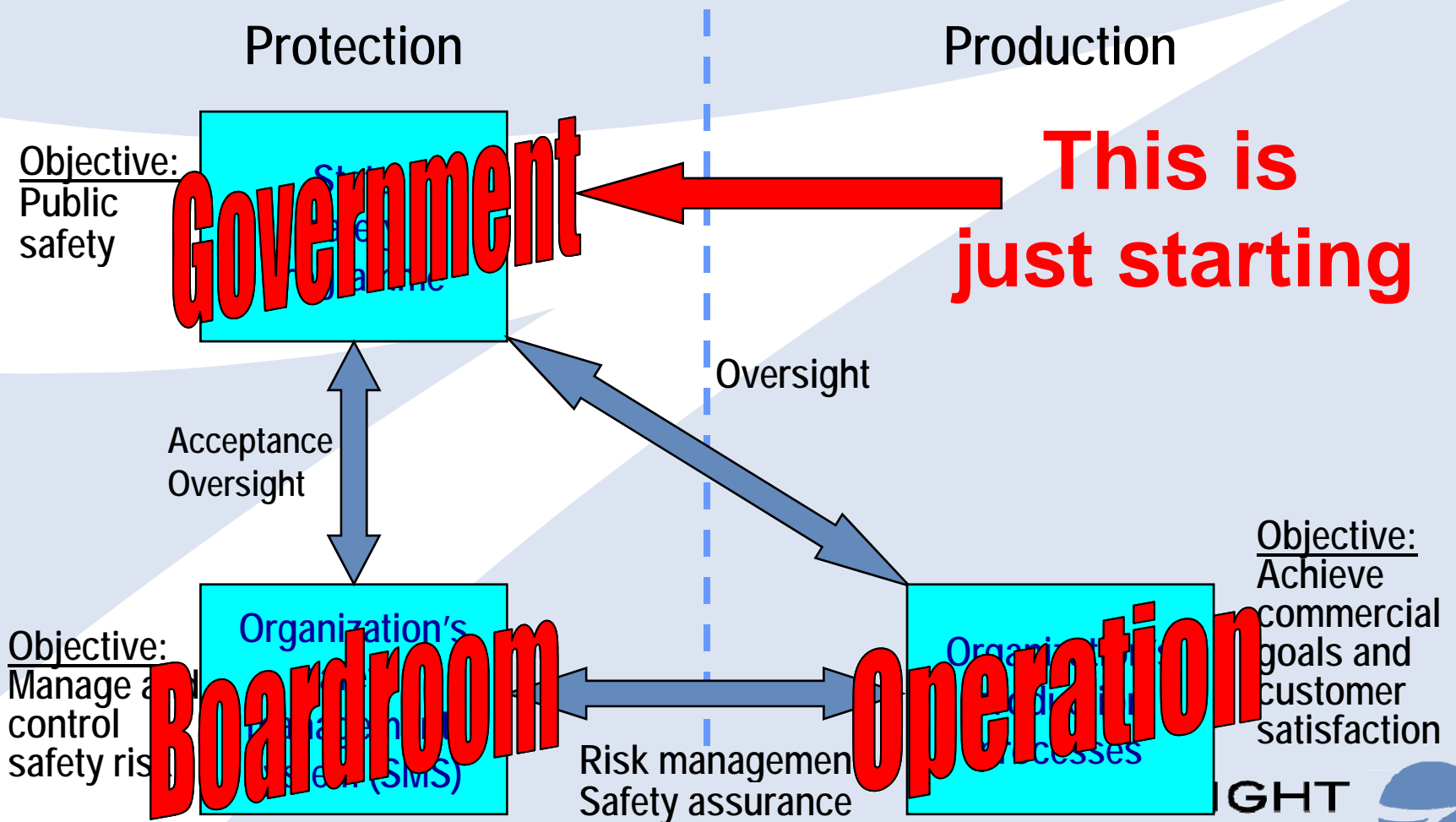
Compliance

Safety

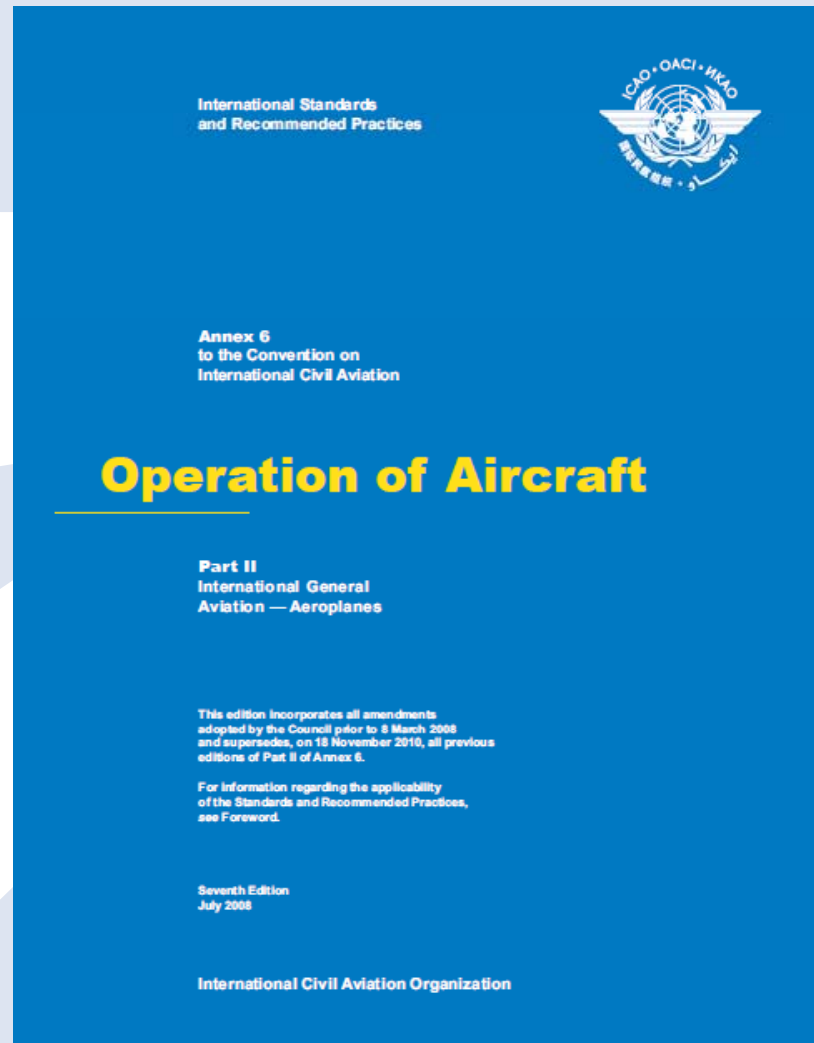
Striking a New Balance



Safety programme – SMS relationships



ICAO Annex 6 part II



New Regulatory Principles

- Owner and PIC must assume responsibility for safety in non-commercial operations
- Inherent self-responsibility of owner and pilot-in-command
- State does not have same “duty of care” as in commercial airline operations
- State must still protect third parties therefore should control level of safety

New Regulatory Principles

- Annex updated to reflect Safety Management Systems and philosophies
- Need for a more modern approach to rulemaking through application of “performance-based” standards
- Performance-based Standards are facilitated through use of industry “**codes of practice**”