The SMS and FRMS Relationship:
Natural bedfellows or do they both have to grow up first?

Captain John Illson

30 August, 2011.

ICAO's FRMS Symposium
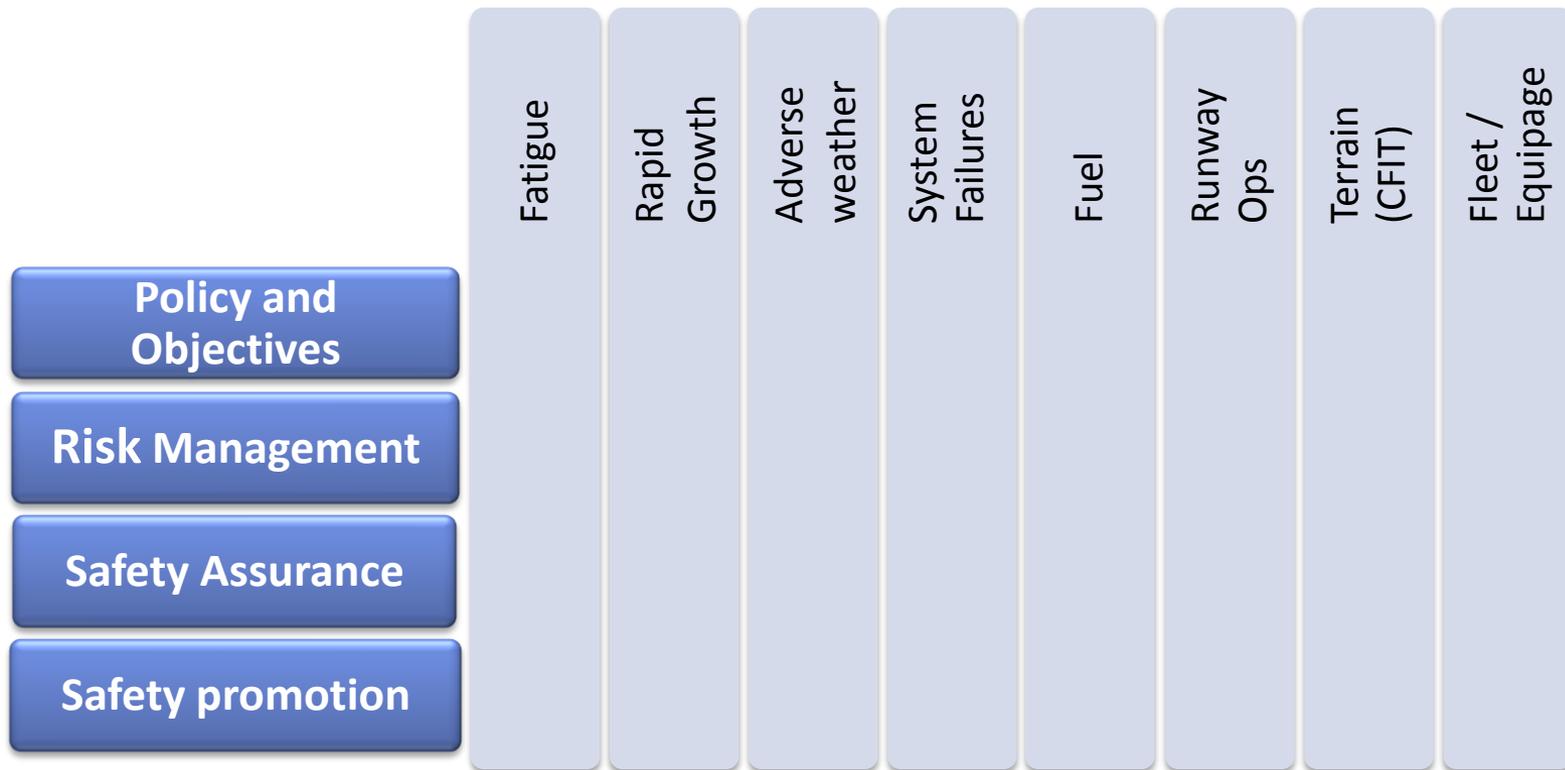
Similar Frameworks

SMS Components

✈ Safety policy & objectives

✈ Safety risk management

✈ Safety assurance

✈ Safety promotion

FRMS Components

✈ FRMS policy & documentation

✈ Fatigue risk management processes
  – Identification of hazards
  – Risk assessment
  – Risk mitigation
  – Implementation

✈ Fatigue safety assurance processes
  – Monitor effectiveness of FRMS
  – Processes for managing change
  – Continuous improvement of the FRMS

✈ FRMS promotion processes
  – Training programmes
  – FRMS communication plan

Different Focus: SMS

	Fatigue	Rapid Growth	Adverse weather	System Failures	Fuel	Runway Ops	Terrain (CFIT)	Fleet / Equipage
Policy and Objectives								
Risk Management								
Safety Assurance								
Safety promotion								

→ Manages safety risks in general
→ Mandatory
→ Fatigue-related risks managed within the constraints of FTLs

Different Focus: FRMS

Fatigue

FRMS Policy and Documentation

Fatigue Risk Management Processes

FRMS Safety Assurance Processes

FRMS Safety Promotion Processes

➔ Manages fatigue-related risks specifically
➔ Optional
➔ Fatigue-related risks managed within FRMS-identified flight and duty time limitations

Need for Integration

- Both have a safety function
- Can build upon existing processes
- Ensure appropriate distribution of resources
- Appropriate prioritisation of risks
- Avoidance of wider unintended consequences

Annex 19 Update
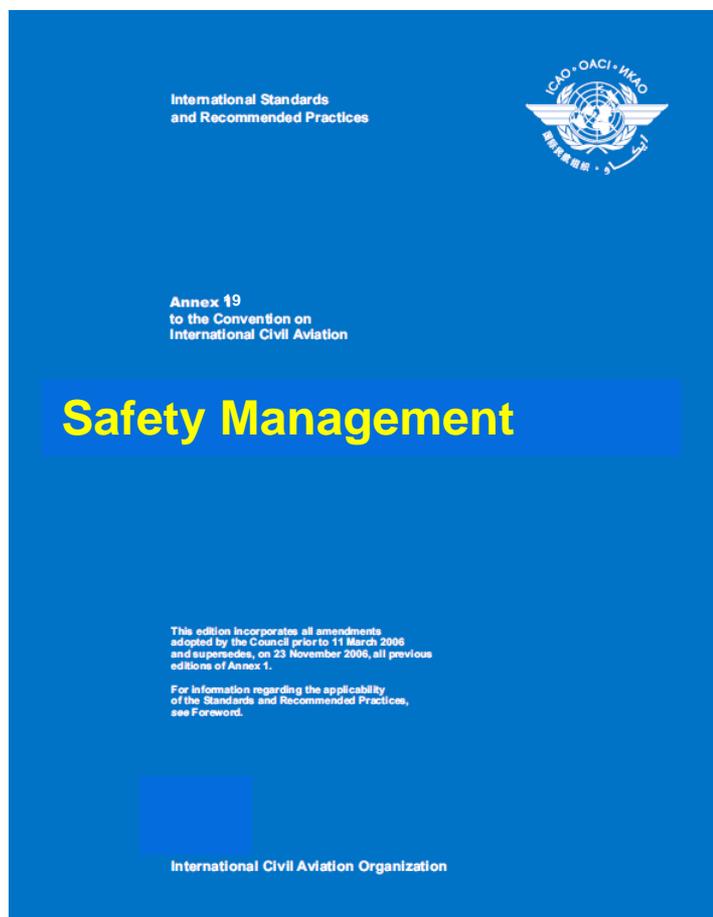
✈ **Safety Management Annex:**

− Consolidation of existing safety management requirements

− Safety Management Panel established – first meeting scheduled for Nov 2011

− Objective - Draft Annex to be presented to ANC in April 2012 (Nov 2013 applicability)
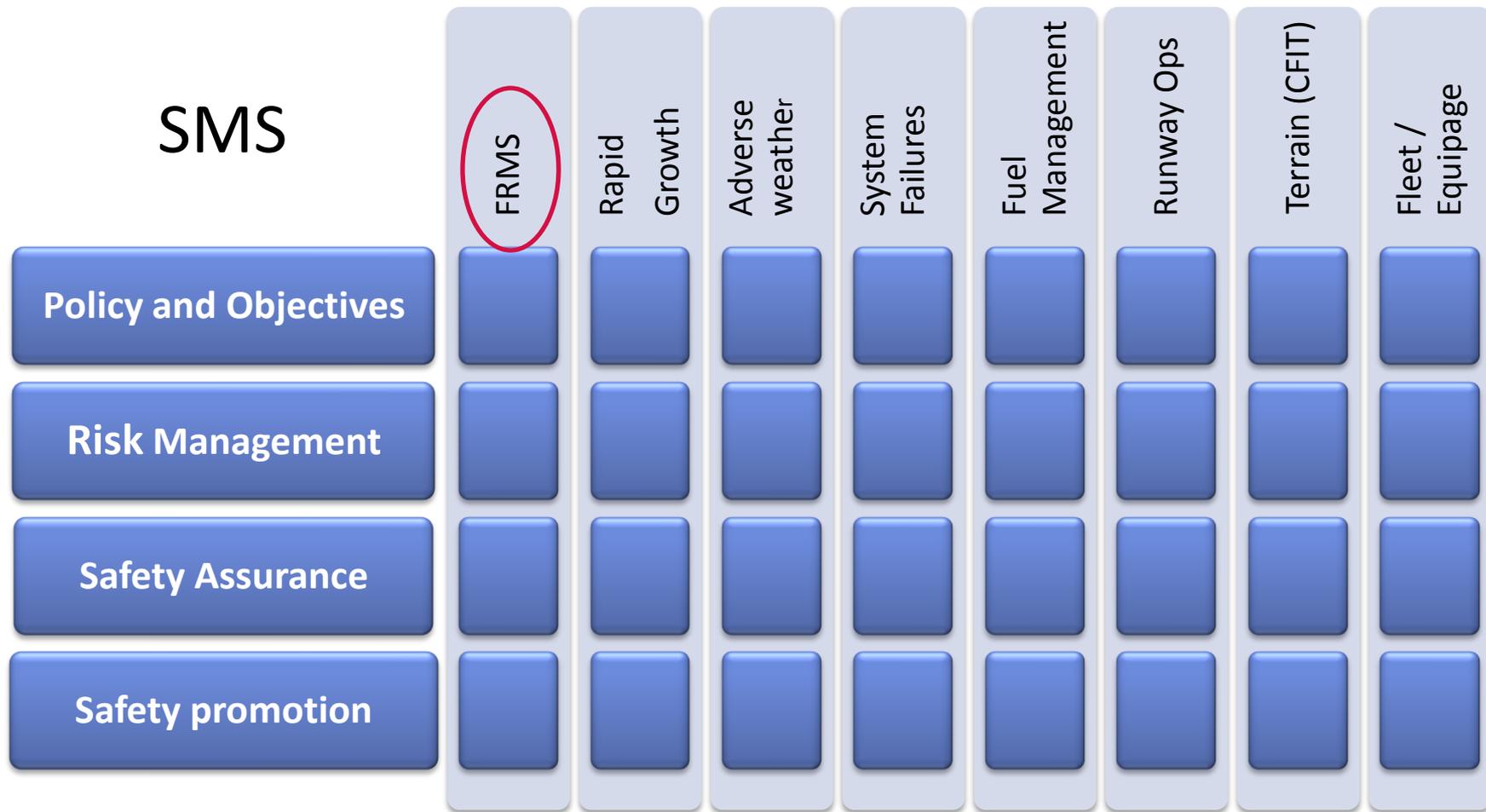
Degrees of integration

Factors:

→ Various levels of SMS maturity – application and oversight

→ Level of regulator comfort with FRMS

→ Separate regulatory approval processes

→ FRMS needs to be distinguishable from SMS for purposes of oversight

A converging path

SMS

	FRMS	Rapid Growth	Adverse weather	System Failures	Fuel Management	Runway Ops	Terrain (CFIT)	Fleet / Equipage
Policy and Objectives								
Risk Management								
Safety Assurance								
Safety promotion								