Business Avation
SMS Experience

IBAC - International Business Aviation Council

➢ **A council of associations**

➢ **14 national & regional business avation member association worldwide**

➢ **Represents, promotes and protects the interests of business aviation internationally**

➢ **Coordinates international issues**

IS-BAO

➢ **IS-BAO an International Standard for Business Aircraft Operations**

➢ **Developed by the industry for the benefit of the industry**

➢ **As a professional safety code of practice for flight departments world-wide**

Basic Principles

- ➢ **A set of performance based and process oriented standards**

- ➢ **Integrates safety, security, efficiency & effectiveness**

- ➢ **Uses principles of ISO 9000 standards**

- ➢ **Has operator SMS as Cornerstone**

The Numbers

➢ **Over 900 copies of IS-BAO obtained by operators**

➢ **Over 160 registered operators**

Key Lesson

➢ **The SMS must be appropriate to the nature, size and complexity of the organization and the inherent safety-risks**
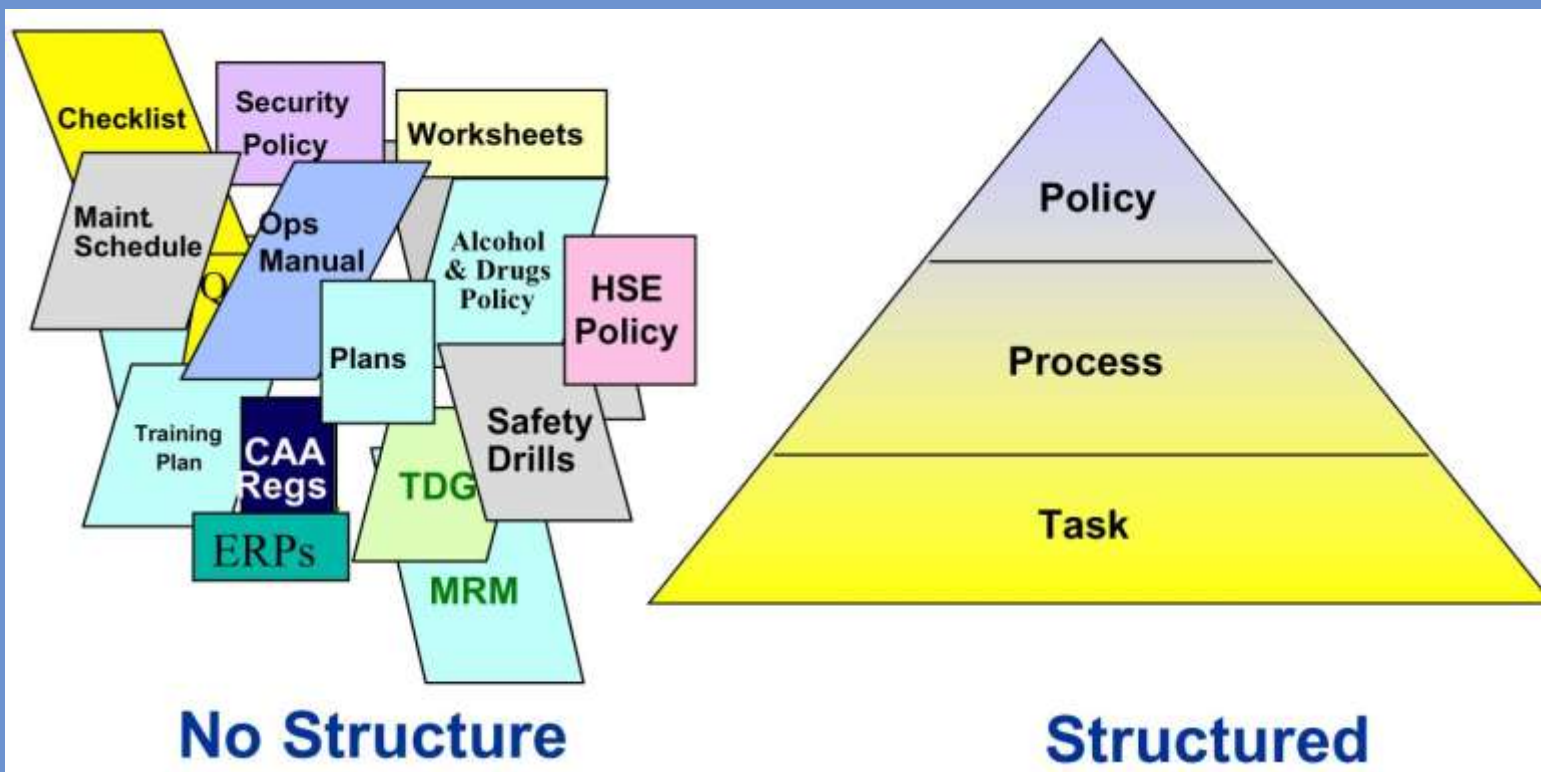
Safety Management System (SMS)

➢ *Evolutionary development of the traditional flight safety program*

➢ *A **systematic** and **comprehensive process** for the **proactive management** of **safety-risks** that integrates the management of operations and technical systems with financial and human resource management*

Structured Approach

No Structure | Structured

SMS Toolkit

➢ **Developed in 2008**

➢ **Hard copy booklet**

➢ **CD with e-book with hyperlinks to SMS informational material, web resources and SMS tools**

12 Steps To SMS

1. Study the SMS concept

2. Obtain senior management commitment

3. Establish SMS team

4. Determine what you already have and what you need

5. Conduct initial hazard identification and risk assessment, and develop safety risk profile

6. Develop safety management strategy

7. Identify safety accountabilities

8. Develop ongoing hazard identification and tracking system and risk assessment procedures

9. Develop emergency preparedness plan

10. Amend programs, procedures and documents as required

11. Conduct staff training and education

12. Track and evaluate safety management activities

Track and Evaluate SMS Activities

➔ **Evaluate SMS performance regularly**

- **Informal feedback mechanisms**
- **Hazard Identifications & Tracking System**
- **Regular & special safety meetings**
- **Flight data analysis**
- **Internal audit/evaluation program**
- **External audits**

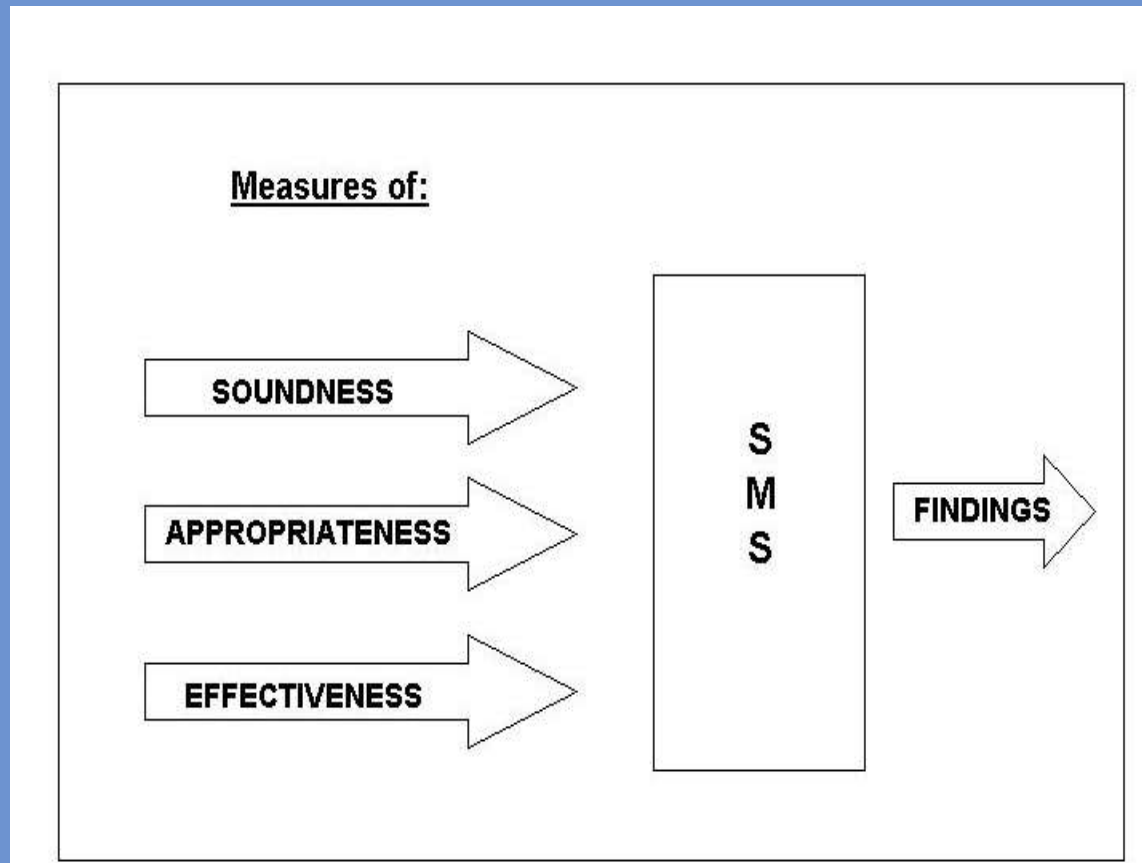➔ **Track results and remedial actions**

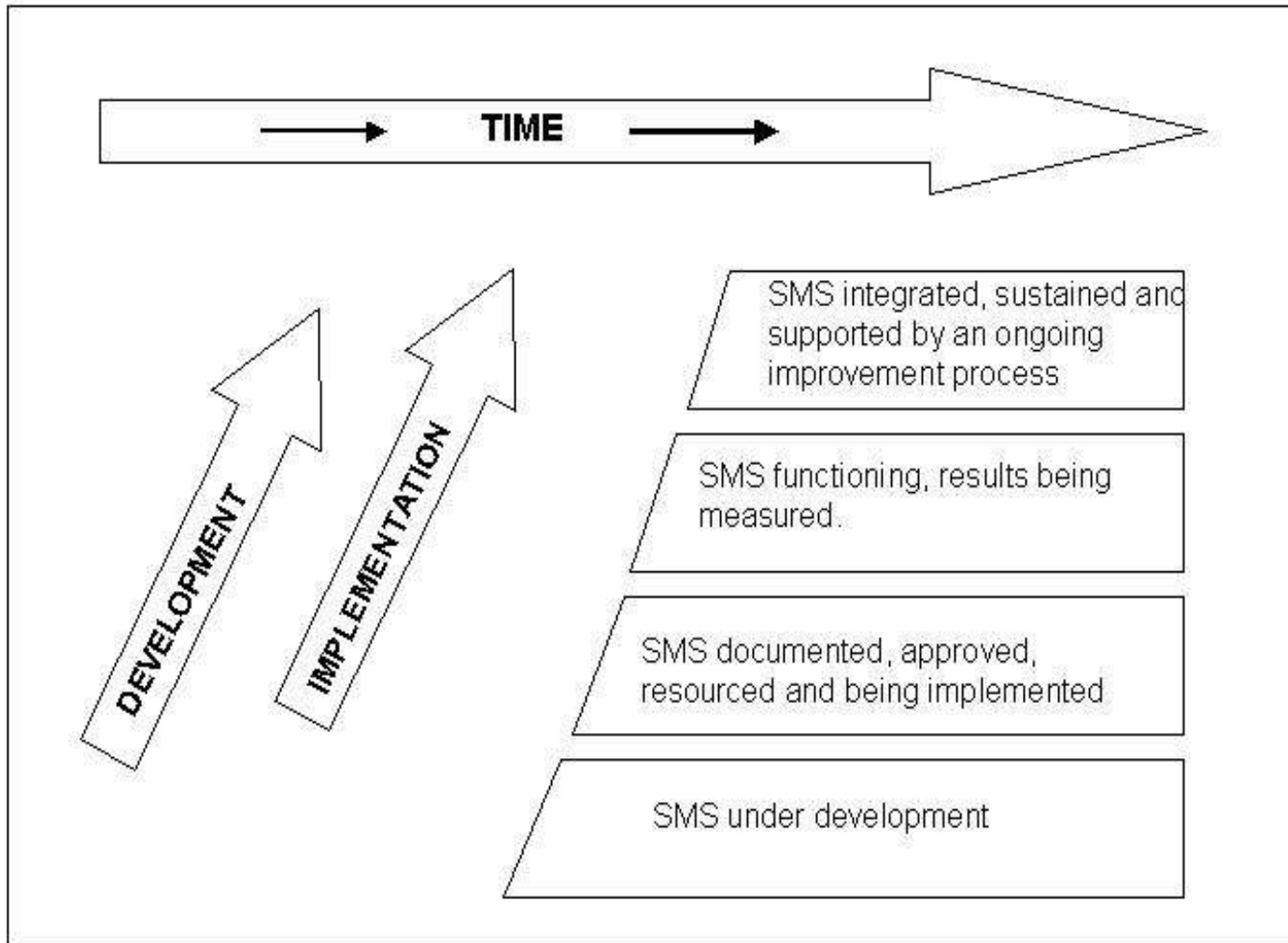➢**Use the process to keep senior management engaged and mature the SMS to enhance:**

- **Safety**
- **Efficiency and**
- **Effectiveness of the operation**

Evaluation Tool

Measures of:

SOUNDNESS →

APPROPRIATENESS →

EFFECTIVENESS →

S M S →

FINDINGS →

TIME

DEVELOPMENT

IMPLEMENTATION

SMS integrated, sustained and supported by an ongoing improvement process

SMS functioning, results being measured.

SMS documented, approved, resourced and being implemented

SMS under development

Item	Sound	Appropriate	Effective	Comments
1. Policy				
2. Authorities				
3. Safety-Risk profile				
4. Risk Management				
5. Involvement				
6. Technical Doc Control				
7. Training				
8. Ops Manual				
9. Safety data				
10 Occurrence				
11. Evaluation				
12 Tracking				
13. SMS Documentation				

Evaluation of Safety Policy

Stage 1 - Soundness

a. Does the safety policy clearly articulate a positive commitment to involve all managers and staff in proactive safety management? (doc.)

b. Is there a performance-based safety goal that supports the policy (such as the goal of reducing safety risks to a level as low as reasonably achievable)? (doc.)

Evaluation of Safety Policy

Stage 2

a. **Appropriateness**

- Are staff aware of operator's safety policy? *(int.)*

b. **Effectiveness**

- Is the policy supported or reinforced by day-to-day decisions? *(doc., int., obs., exp.)*

- Are managers and staff committed to enhancing safety performance? *(int., obs., doc., exp.)*

Evaluation of Safety Policy

Stage 3 - Effectiveness

- **Are comments on the efficacy of the safety policy and related policies actively solicited from all stakeholders, managers and staff?** *(doc., int., obs., exp.)*

- **Are the policy/policies periodically and thoroughly reviewed and when appropriate, revised?** *(doc., int., obs., exp.)*

- **Is top management fully aware of the human and organizational factors that endanger the operation and do they continuously make decisions mindful of those factors?** *(doc., int., obs., exp.)*

Conclusion

→ **A sound, appropriate & effective SMS does not cost money - it saves money!**

Thank You

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