

# SMS Kynning.

SMS approach for airlines.

# Safety Management System.

- SMS is an organised approach to managing safety, including the necessary organisation structure, accountabilities and procedure.

# Procedure.

- JAR-OPS 1.037 Accident prevention and flight safety programme.
  - (a) An operator shall established an programme to achieve and maintain risk awareness by all persons involved in operation.

- Chapter 2.3 Accident prevention and flight safety programme.

**2.3.1. CO-AIR have established a programme to achieve and maintain risk awareness by all persons involved in operation.**

# Safety Management System

- Accountability for SMS lies with the Accountable Manager.
- Safety Manager is responsible for and is the focal point for development, administration and maintenance of an effective SMS.

# Safety Management System

- There is no single module that fits all.
- SMS should be a reflection of the organisations needs.

# SMS vs. Accident prevention and flight safety programme.

- The objective of the current safety programme is to monitor events and activities. If an accident or incident should occur an investigation needs to be done in order to find the cause and establish mitigation steps to keep them from happening again.

# SMS vs. Accident prevention and flight safety programme

- SMS is the opposite approach. You conduct an assessment of what is being done and develop mitigation to prevent any potential accident or incident from occurring.
- Risk Assessment.

# SMS vs. Accident prevention and flight safety programme.

- Shift away from a pure *reactive* safety mode and combine with *proactive* mode.
- Reactive: After the event.
- Proactive: Prior to the event.

# Safety Management System.

- Safety Policy.
- A process for planning and measuring safety performance.
- A process for ensuring that personnel are trained and competent.
- A process which identifies safety hazards and evaluates / manages risk.
- A proactive process for internal reporting and analysis of safety hazards, incident / accidents, and for taking corrective measures to prevent their recurrence, including safety awareness and communication.
- The documentation of all SMS processes, and a procedure for ensuring that personnel are aware of their responsibilities.
- A process for conducting reviews or audits of the SMS, on a periodic basis.

# Accident prevention and flight safety programme.

- Person responsible for the programme.
- Occurrence reporting Scheme.
- Risk Awareness Programme.
- Flight Data Monitoring.
- Non-punitive.
- Evaluation of relevant information.
- Proposal for corrective action.
- Monitoring Effectiveness of change.

# Safety Management System

- AP FSP + ? = SMS

# ?...Safety Policy.

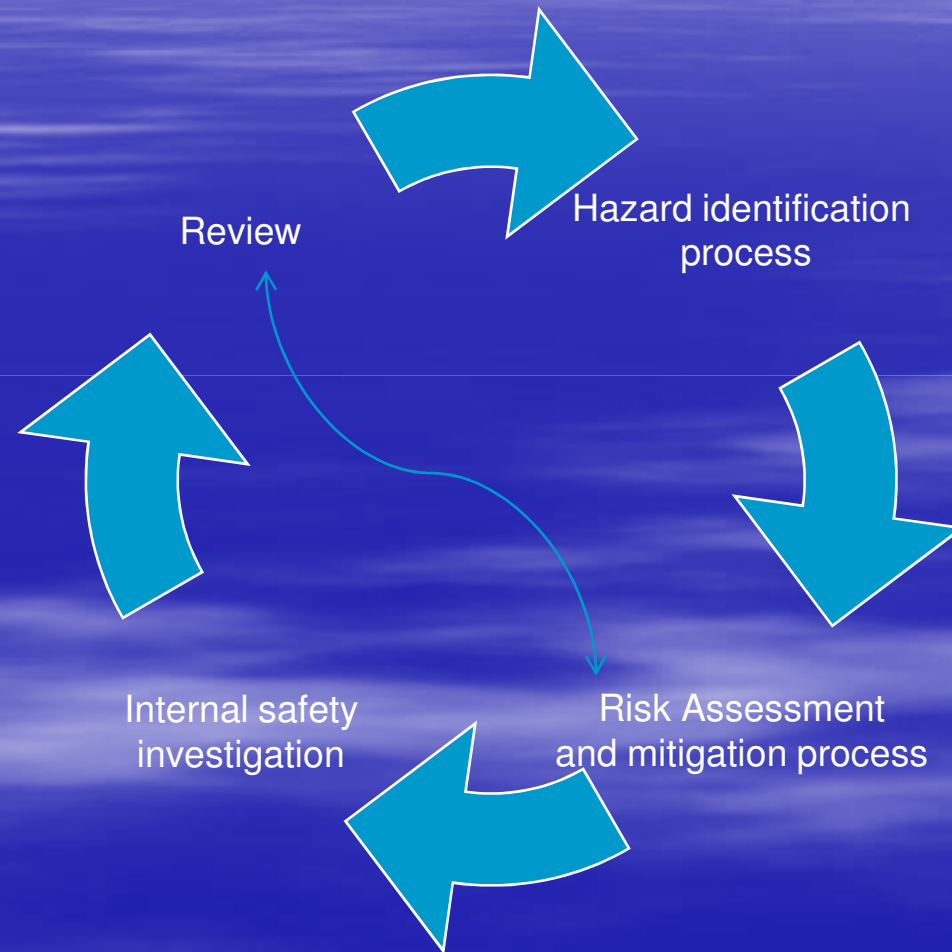
- Management Commitment and Responsibility.
- Safety Accountabilities of Managers.
- Appointment of Key Safety Personnel.

Top down commitment to Safety.

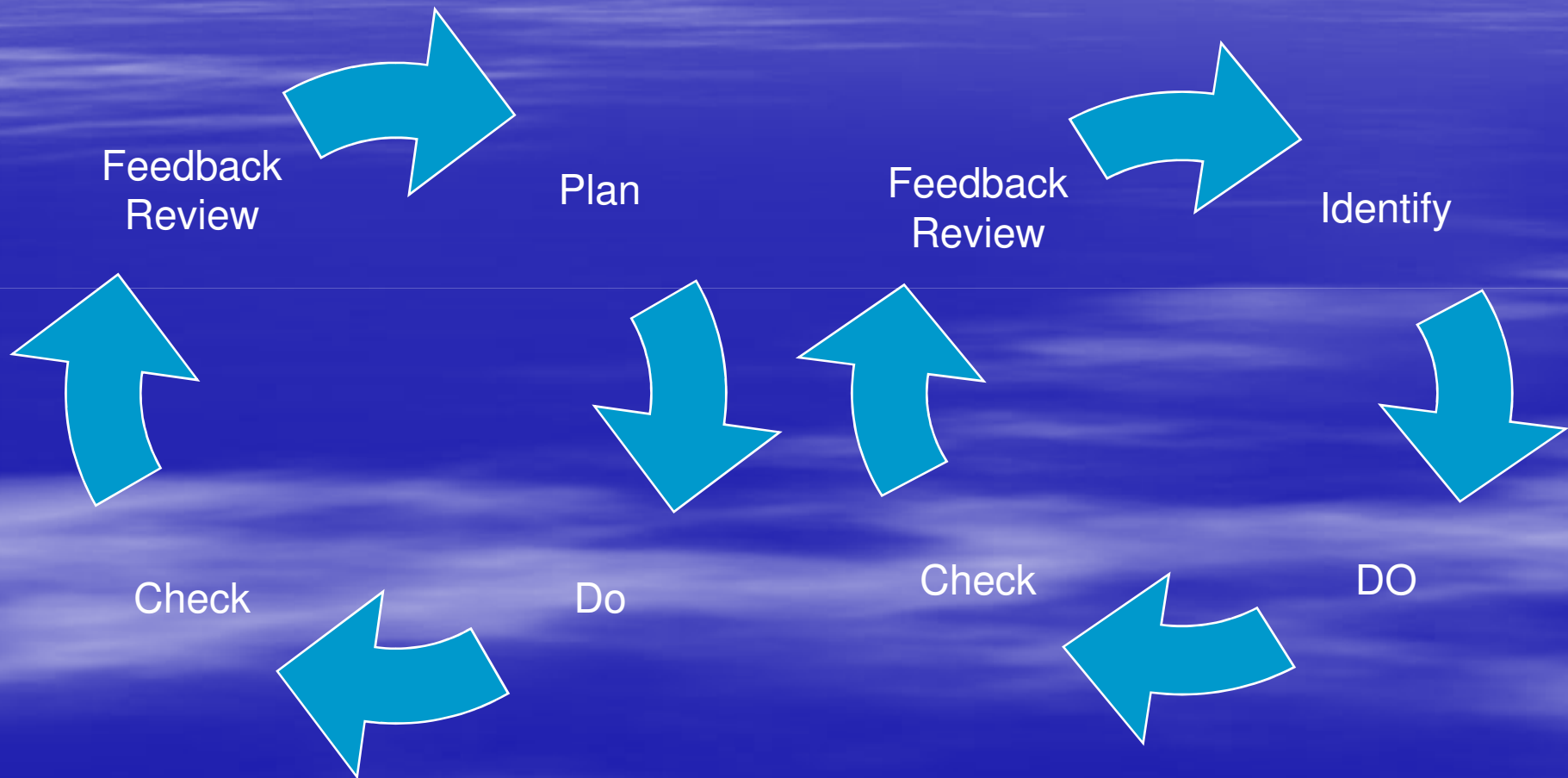
# ?...Safety reports.

- Safety reporting system should include provision for the reporting of hazards.

# Safety Risk Management



# Quality/Risk Loop.



# ?...Emergency Response Plan

- ERP should be established that provides the action taken by the organization or individuals in an emergency.
- ERP should reflect the size, nature and complexity of the organization.
- Be integrated into the SMS.

# Safety Comittee

- Chaired by the Accountable Manager.

Monitors:

- safety performance against the safety policy and objectives.
- effectiveness of the SMS implementation plan.
- effectiveness of the safety oversights.
- that necessary corrective or mitigating are being taken in a timely manner.

# Safety Management System.

- Accountability from CEO. (Safety Policy)
- Person Managing the System. (Safety Manager)
- Occurrence reporting Scheme. (Including Safety Reporting)
- Risk Assessment Programme. (Documented)
- Emergency Response Plan.
- Risk Awareness Programme.
- Flight Data Monitoring.
- Non-punitive.
- Safety Committee. (department manager responsibility)
- Evaluation of relevant information.
- Proposal for corrective action.
- Monitoring Effectiveness of change.
- SMS audits. (Integrated into audit schedule)

# Safety Culture.

- You cannot have a “low-calorie SMS,”  
An SMS works best in an environment that has a healthy safety culture.
- Safety culture means everybody in the organization indentifies and mitigates the risk-even when no one is watching.

# Safety Management System

Thanks for your Attention.