Smartwings SAFETY MANAGEMENT **SYSTEM**

smarlwings≥com

(CAMO, Part 145)



The Concept of Safety

→ Safety is the state in which risks associated with aviation activities, related to, or in direct support of the operation of aircraft, are reduced and controlled to an acceptable level. (Ref. Annex 19 Ed. 2, Ch 1 - Definitions)

Safety



No Unacceptable Risks



SMS Assessment methodology

It focuses on both elements of a Management System:

- the SMS elements (ICAO Annex 19 and framework sections 1 to 4), with the traditional four pillars;
 - safety policy and objectives;
 - safety risk management;
 - safety assurance;
 - safety promotion;
- the compliance monitoring system (section 5).



SAFETY POLICY

Management commitment and responsibility

Safety accountability of managers

Appointment of key safety personnel

SMS implementation plan

Coordination of the Emergency Response

System documentation

RISK MANAGEMENT

Hazard identification process

Risk assessment and mitigation processes

Internal safety investigation

SAFETY ASSURANCE

Safety performance monitoring and measurement

The management of change

Continuous improvement of the safety system

PROMOTION

Training and education

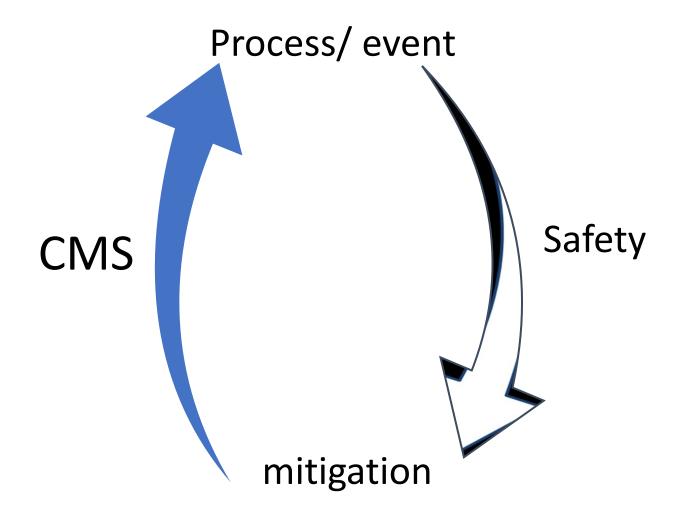
Safety communication

Just Culture





Management System

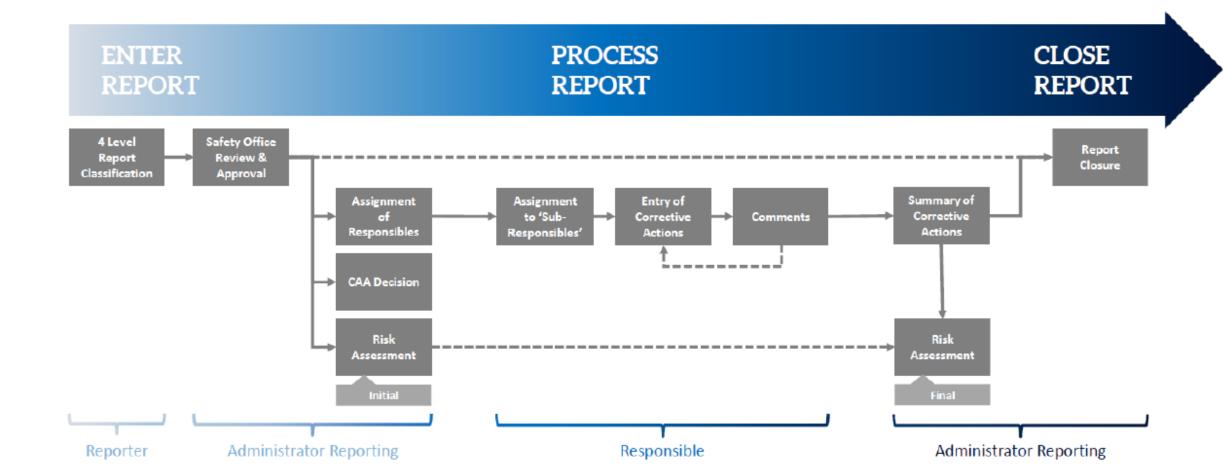


Reporting

- Type of reports
 - Aicraft Maintenance report (CAMO, ExtMRO, Part 145, Part 147, Other)
 - Dispatch report
 - Fatigue report
 - Organizational Safety Report
 - Safety Report
 - Security Report
 - Service Report
 - Training Report









The common European Risk Classification Scheme

SEVERITY			CLASSIFICATION (ERCS Score)											
Potential Accident Outcome	Score													
Extreme catastrophic accident with the potential for significant number of fatalities (100+)	x	Pending Risk Assessment	Х9	X8	X7	X6	X5	X4	хз	X2	X1		XO	
Significant accident with potential for fatalities and injuries (20-100)	s		S9	\$8	S 7	S6	\$5	S4	\$3		S1			
Major accident with limited amount of fatalities (2-19), life changing injuries or destruction of the aircraft	м		М9	M8	М7	MS	M5	M4	МЗ	M2	MI			
An accident involving single individual fatality, life changing injury or substantial aircraft damage	1		19	18	17	16	15	14	13	12	п			
An accident involving minor and serious injury (not life changing) or minor aircraft damage	E		E9	E8	E7	E6	E5	E4	E3	E2	E1		EO	
No likelihood of an accident	А		No Implication to Safety											
	Corresponding Barrier Score		9	8	7	6	5	4	3	2	1		0	
	Barrier Weight Sum		17-18	15-16	13-14	11-12	9-10	7-8	5-6	3-4	1-2		0	
			PROBABILITY OF THE POTENTIAL ACCIDENT OUTCOME											



Example of SMS assessment sequence

Hazard identification

hazard log content, safety data sources; internal reporting, occ report, audit repetitive findings, customer complaints, other external inputs, etc.

Risk management

risk analysis (likelihood and severity), assessment (tolerability) and control (mitigating actions)

Safety performance monitoring

effectiveness of safety risk controls, SPIs, SPTs, etc. Link with safety objectives and policy.

Safety objectives and policy

Meetings/boards

SRB, SAG, etc.

Safety promotion

safety training and communication.

Management of Change

SMS documentation

Immediate safety action and coordination with operator's ERP





Thank you for your attention

Safety department Smartwings, a.s.