

Smartwings

SAFETY

MANAGEMENT

SYSTEM

(CAMO, Part 145)



The Concept of Safety

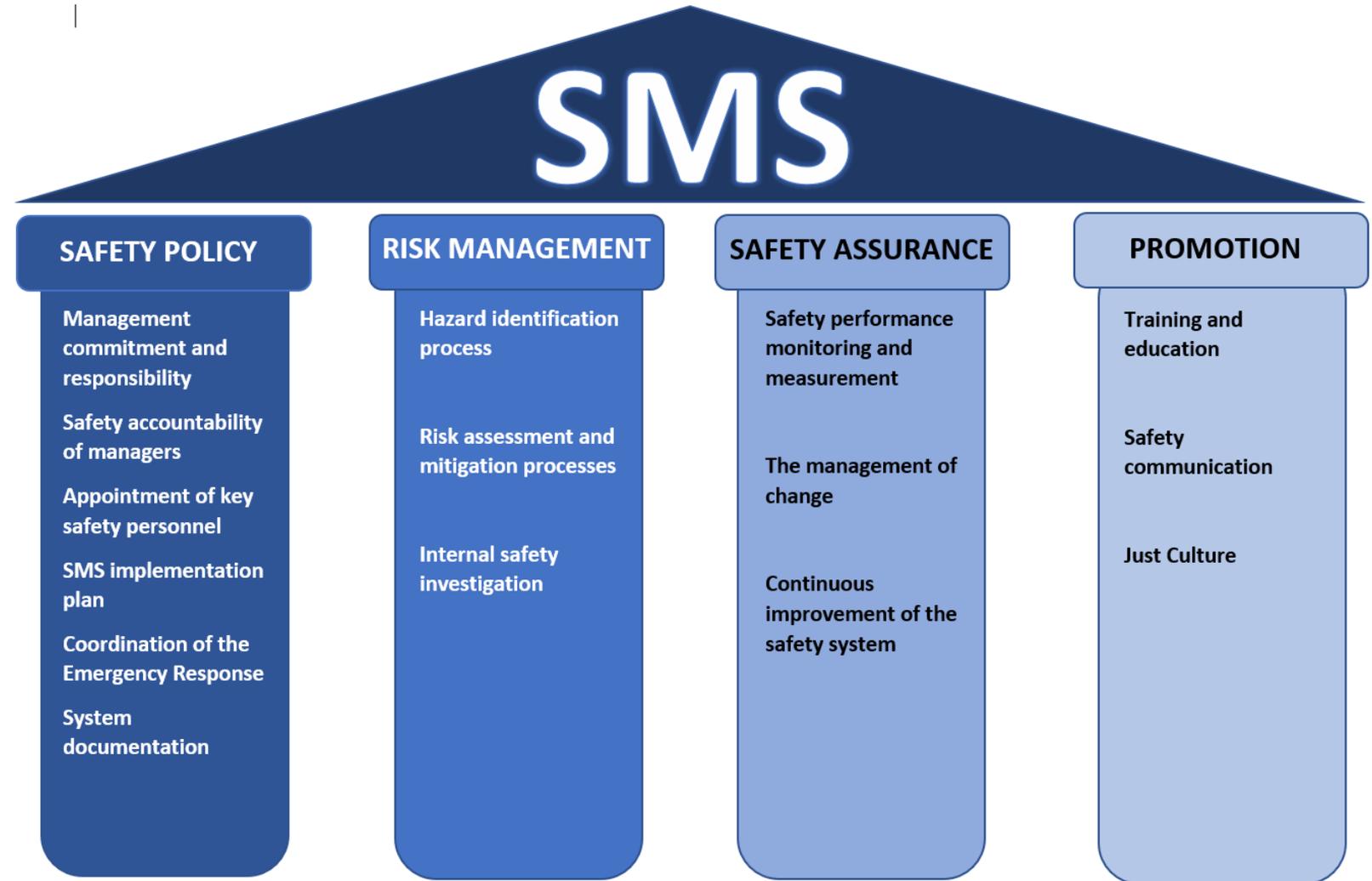
- Safety is the state in which **risks** associated with aviation activities, related to, or in direct support of the operation of aircraft, are **reduced** and **controlled** to an **acceptable level**. (Ref. Annex 19 Ed. 2, Ch 1 – Definitions)

Safety = **No Unacceptable Risks**

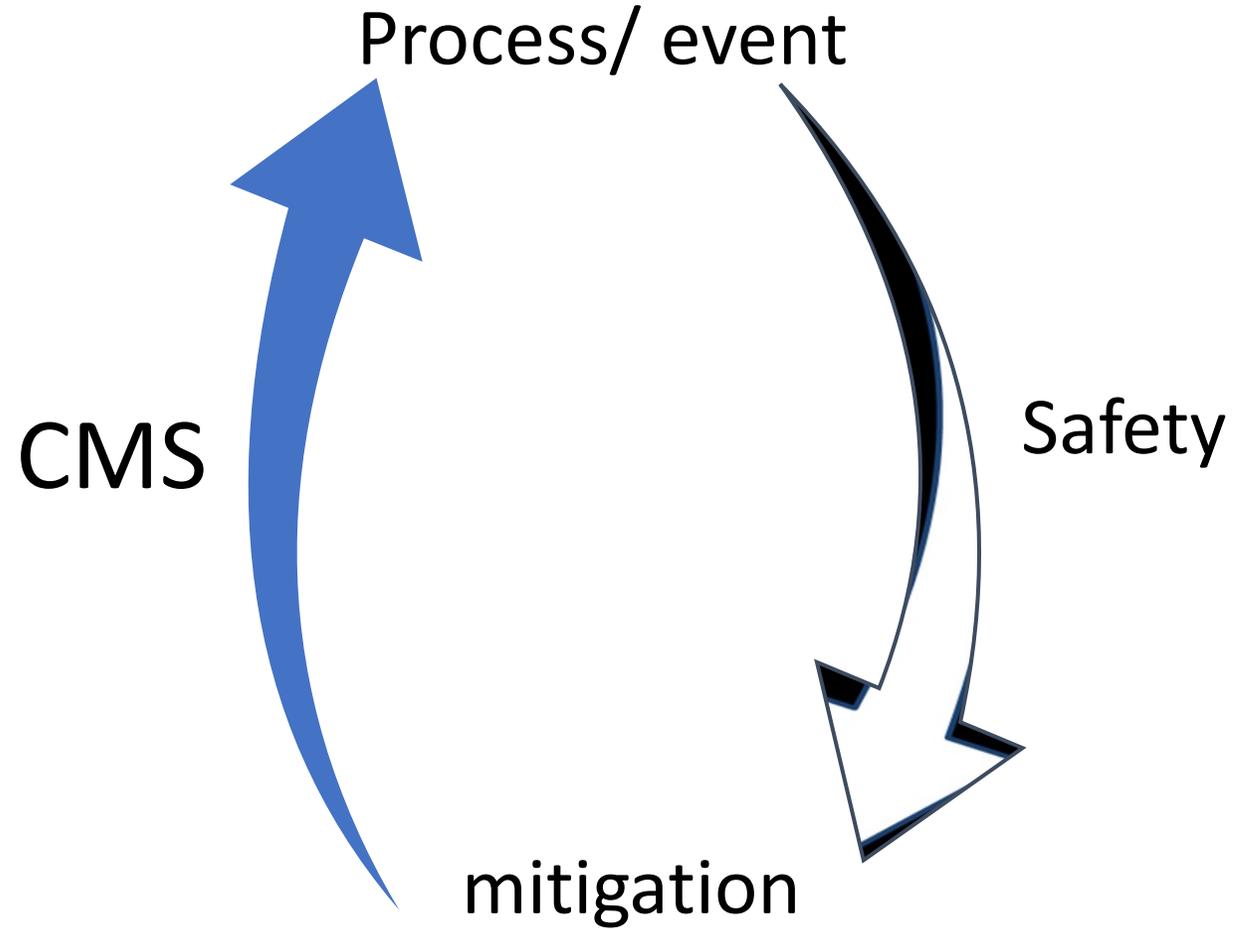
SMS Assessment methodology

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).



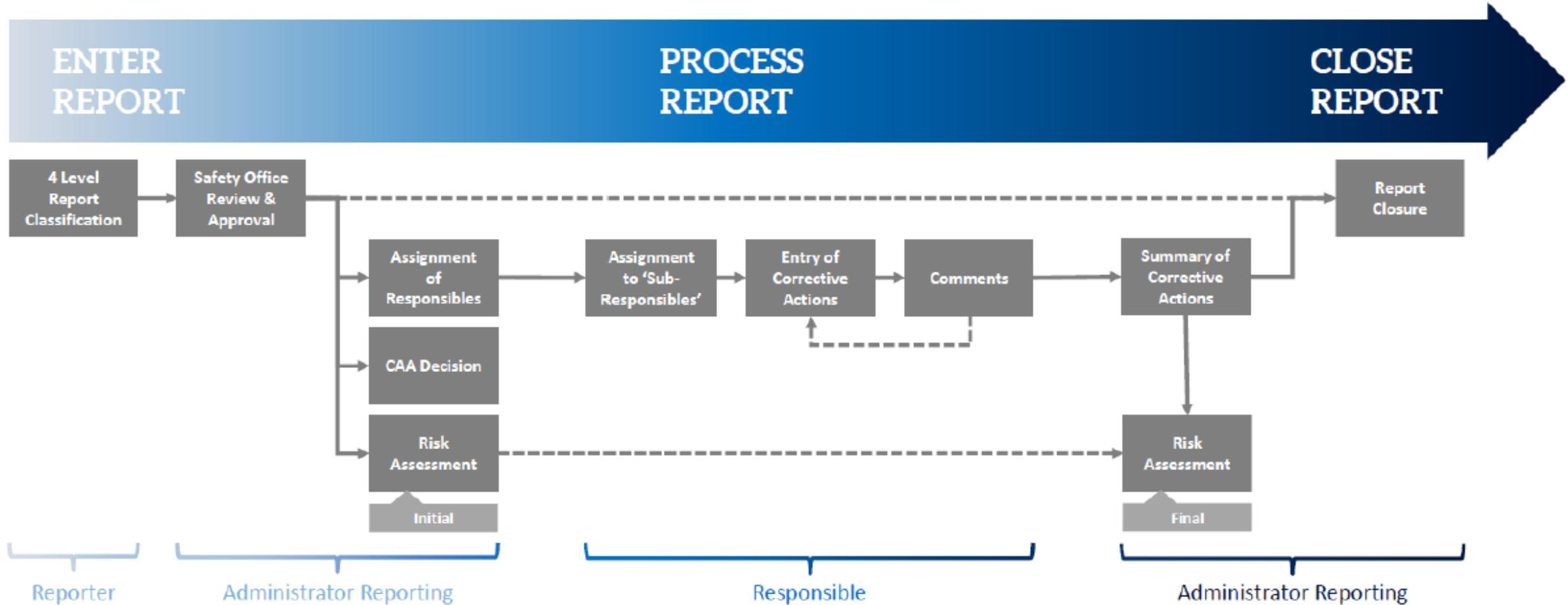
Management System



Reporting

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

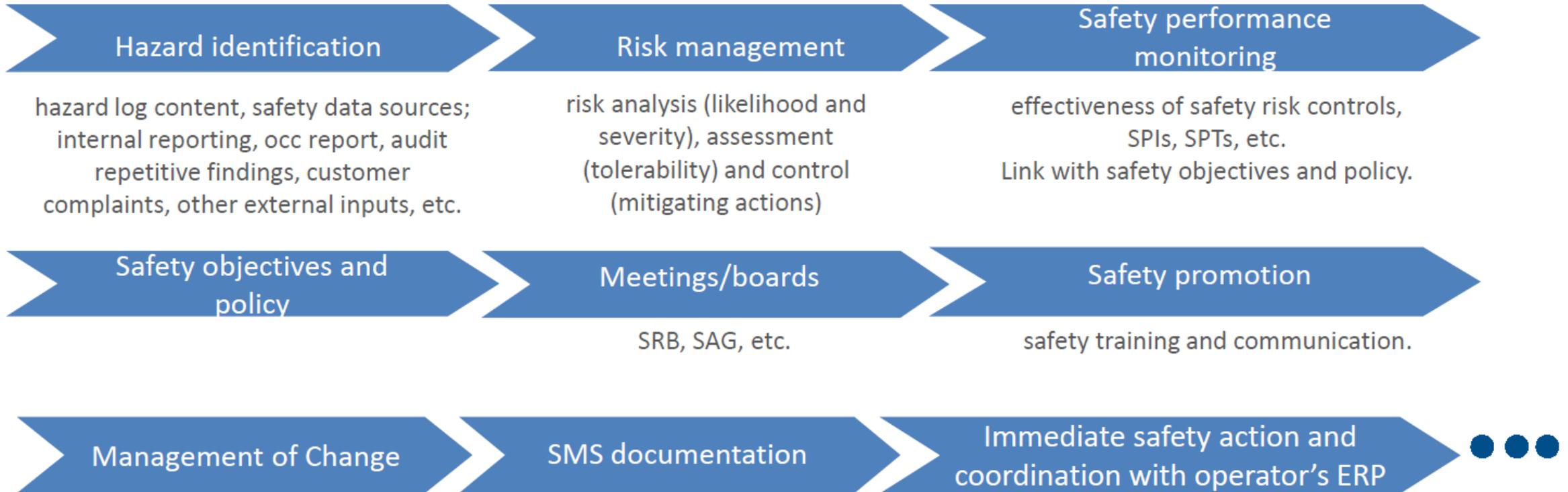




The common European Risk Classification Scheme

SEVERITY		CLASSIFICATION (ERCS Score)										
Potential Accident Outcome	Score											
Extreme catastrophic accident with the potential for significant number of fatalities (100+)	X	Pending Risk Assessment	X9	X8	X7	X6	X5	X4	X3	X2	X1	X0
Significant accident with potential for fatalities and injuries (20-100)	S		S9	S8	S7	S6	S5	S4	S3	S2	S1	S0
Major accident with limited amount of fatalities (2-19), life changing injuries or destruction of the aircraft	M		M9	M8	M7	M6	M5	M4	M3	M2	M1	M0
An accident involving single individual fatality, life changing injury or substantial aircraft damage	I		I9	I8	I7	I6	I5	I4	I3	I2	I1	I0
An accident involving minor and serious injury (not life changing) or minor aircraft damage	E		E9	E8	E7	E6	E5	E4	E3	E2	E1	E0
No likelihood of an accident	A		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





Thank you for your attention

Safety department
Smartwings, a.s.