

The background of the slide features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the left and right sides, framing the central white area where the text is placed.

Safety objectives and indicators

Small size airline + AMO

Brazil, July/2018

Context

- ▶ This presentation was inspired by the translation of strategic objectives in goals and performance indicators of the Brazilian airline *Passaredo Transportes Aéreos*
- ▶ *Passaredo Transportes Aéreos*:
 - ▶ Small airline (AOC)
 - ▶ Brazilian regional operation
 - ▶ Organization is also a certified Repair Station (AMO)
- ▶ Real targets developed by *Passaredo Transportes Aéreos* were based on data monitored during previous years. The data showed in this presentation was modified to preserve the privacy of the company.

Safety objectives

High-level objective

Ensure that the company's activities are developed to achieve, maintain or improve the acceptable level of safety performance agreed with ANAC

Low-level objectives

Reduce operational risks of the company by reducing safety events rates per 1000 cycles (Accidents, Incidents Serious Incidents)

Enhance hazard identification system efficient by raising the safety culture

Enhance risk management by controlling the effectiveness of the mitigation of the risks

Reduce operational risks by reducing unstabilized approach rates

Increase employee participation in air safety report (ASR) program by enhancing company's training



Safety objectives to safety indicators (1)

Objective	Indicator	Target	Desired indicator behavior
Reduce operational risks of the company by reducing safety events rates per 1000 cycles (Accidents, Incidents Serious Incidents)	Number of accidents + serious incidents / 1000 cycles	0.0	↓
	Number of incidents / 1000 cycles	0.0	↓
	Number of safety events involving external ground handling companies / 1000 cycles	0.0	↓
	Number of runway incursions / 1000 cycles	0.0	↓
	Number of runway excursions / 1000 cycles	0.0	↓
	Number of TCAS RESOLUTION (RA) events / 1000 cycles	0.15	↓
	Number of EGPWS e GPWS warnings / 1000 cycles	0.8	↓
	Number of safety events involving low fuel / 1000 cycles	0	↓
	Number of safety events involving weight, balance or loading error / 1000 cycles	0	↓
	Number of go-arounds after unstabilized approaches / Number of unstabilized approaches	0.8	↑
	Number of safety events involving human fatigue / 1000 cycles	0.3	↓
	Number of errors in maintenance activities / 1000 cycles	1.2	↓

Safety objectives to safety indicators (2)

Objective	Indicator	Target	Desired indicator behavior
Enhance hazard identification system efficient by raising the safety culture AND Enhance risk management by controlling the effectiveness of the mitigation of the risks	Number of air safety report (ASR) / 1000 cycles	3.5	↑ *
	Number of air safety report (ASR) containing safety-related information / Number of reports received	0.25	↑ **
	Number of effective risk mitigation interventions / number of interventions	1.0	↑

* The company wants to have more data. This does not mean that a high number of ASR indicates safer operations or vice-versa.

** The company wants to increase safety-related information content in ASR submitted.

Safety objectives to safety indicators (3)

Objective	Indicator	Target	Desired indicator behavior
Reduce operational risks by reducing unstabilized approach rates	Number of go-arounds after unstabilized approaches / Number of unstabilized approaches	0.8	↑

Safety objectives to safety indicators (4)

Objective	Indicator	Target	Desired indicator behavior
Increase employee participation in air safety report (ASR) program by enhancing company's training	Number of employees trained in SMS content / Number of employees	0.9	↑
	Number of air safety report (ASR) containing safety-related information / Number of reports received	0.25	↑ **
	Pilots grade in training evaluation (0, minimum, to 1, maximum)	0.95	↑

** The company wants to increase safety-related information content in ASR submitted.

Safety management review + continuous improvement

- ▶ Indicators presented above and others are monitored by a dedicated safety team
- ▶ Outcomes of activities performed (audits, observations, questionnaires, etc.), indicators trends, and significant risks are discussed during high-level company safety committee meeting and feed continuous improvement initiatives