

Risk Based Surveillance (RBS)

Module 2
Introduction to the SRVSOP
RBS

Lima, Peru, March 9-13, 2020

Introduction

Situation

Lack of mechanisms in the safety oversight system of some of the SRVSOP States that allow to identify and prioritize the areas of greatest concern or need for safety of service providers in the civil aviation system.

Project justification

- Commitment of the States to guarantee a civil aviation system with an acceptable level of safety in their operations.
- States must face the challenges of the growth of the aviation industry and the introduction of new technologies.
- States may maintain a safety oversight capability proportional to the complexity of the State's civil aviation system.





Doc 9859

Safety Management Manual



Approved by and published under the authority of the Secretary General

INTERNATIONAL CIVIL AVIATION ORGANIZATION

Proposed solution

Risk Based Surveillance (RBS)

Examples of methodologies for prioritizing surveillance activities were developed to the areas of greatest concern or need for safety.





Prescriptive surveillance

Focused on regulatory compliance

RBS Project Team

Project Leader and project team members



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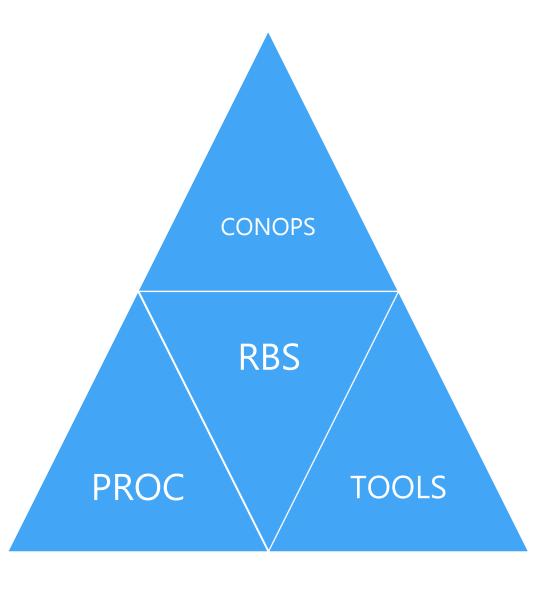
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Team member

Objective RBS

Offer SRVSOP member States a sustainable and transparent solution that responds to the task of prioritizing inspections, audits and surveys of training organizations, AMOs, air operators and aerodromes to those areas of greatest concern or need for safety.

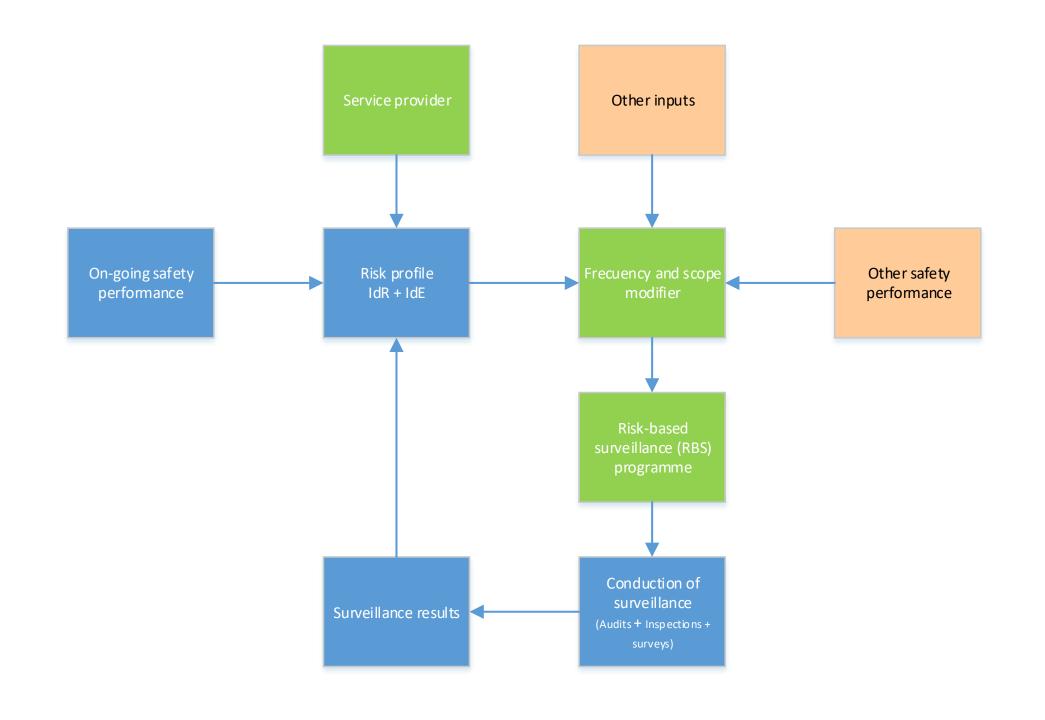




Conops

Concept

It is a continuous process of assessing the risk profile of service providers that allows determining the frequency and scope of surveillance activities, prioritizing the safety areas of greatest concern or need, observing safety performance and other input that will modify the frequency and scope of surveillance activities (inspections, audits and surveys).





Procedures

The procedures necessary for the implementation of RBS will use **proactive data only** are being developed and amended. In summary, a manual of RBS methodologies, the technical specifications of the tool, the checklists, the tool to evaluate the effectiveness of the SMS and the manual of taxonomy of hazards will be developed. The manuals of the inspectors of PEL, OPS, AIR and AGA will also be amended and modified to include the RBS procedures.

Procedures



RBS methodologies manual

The risk-based surveillance planning methodologies applicable to the areas of PEL, OPS, AIR and AGA are described



PEL safety inspector manual

It incorporates a chapter of riskbased surveillance and the RBS checklists applicable to a certified civil aviation training and instruction center



Hazard Taxonomy Manual

Contains the hazard taxonomy codes applicable to the RBS checklists



Operation safety inspector manual

It incorporates a chapter of riskbased surveillance and the RBS checklists applicable to a certified air operator



Procedures



Airworthiness safety inspector manual

It incorporates a chapter of riskbased surveillance and the RBS checklists applicable to an approved maintenance organization



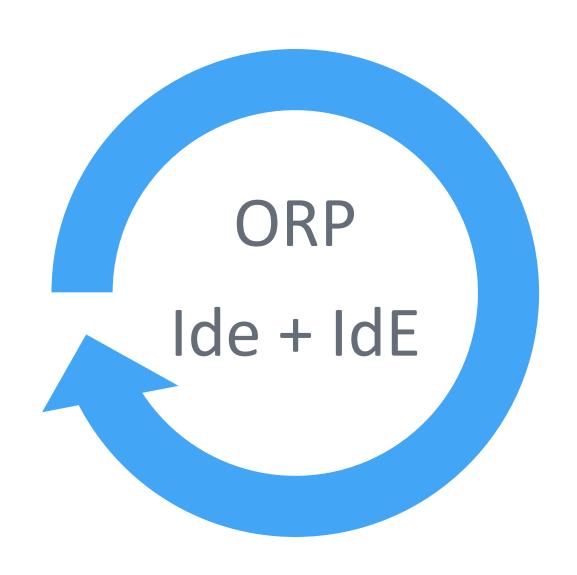
Technical specifications

The technical specifications
(TecSpecs) of four (4) Excel
Workbooks were developed, where
RBS planning will be carried out and
three (3) Workbooks that will merge
the data and produce proactive
safety information for planning of the
RBS.

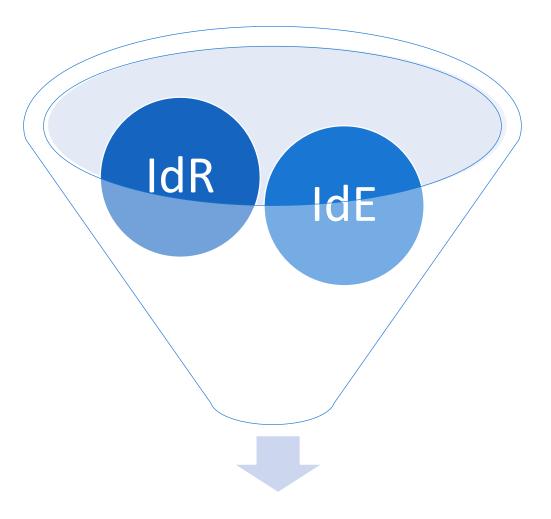


TechSpecs
Technical
specifications





- SMS
- SurveillanceDatabase
- Safety performance
- Check lists (CL)

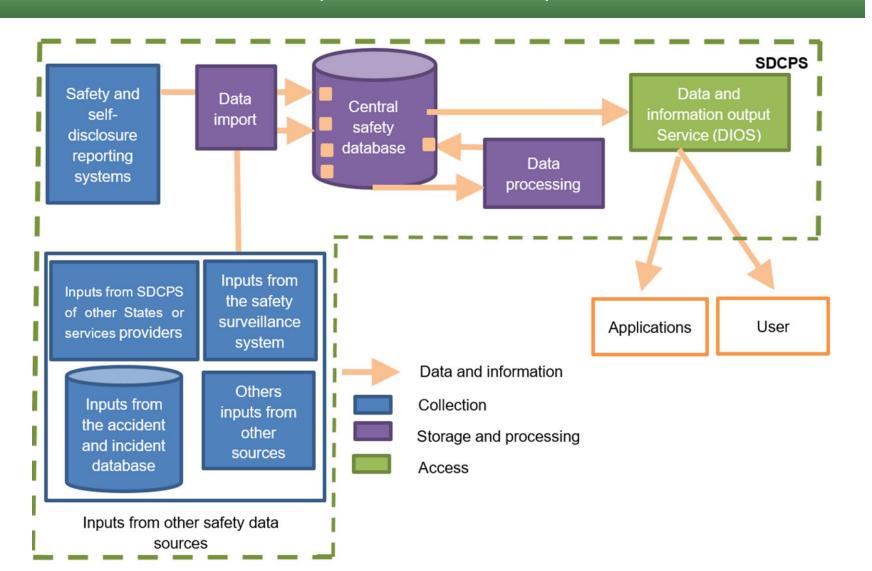


Frequency + Scope

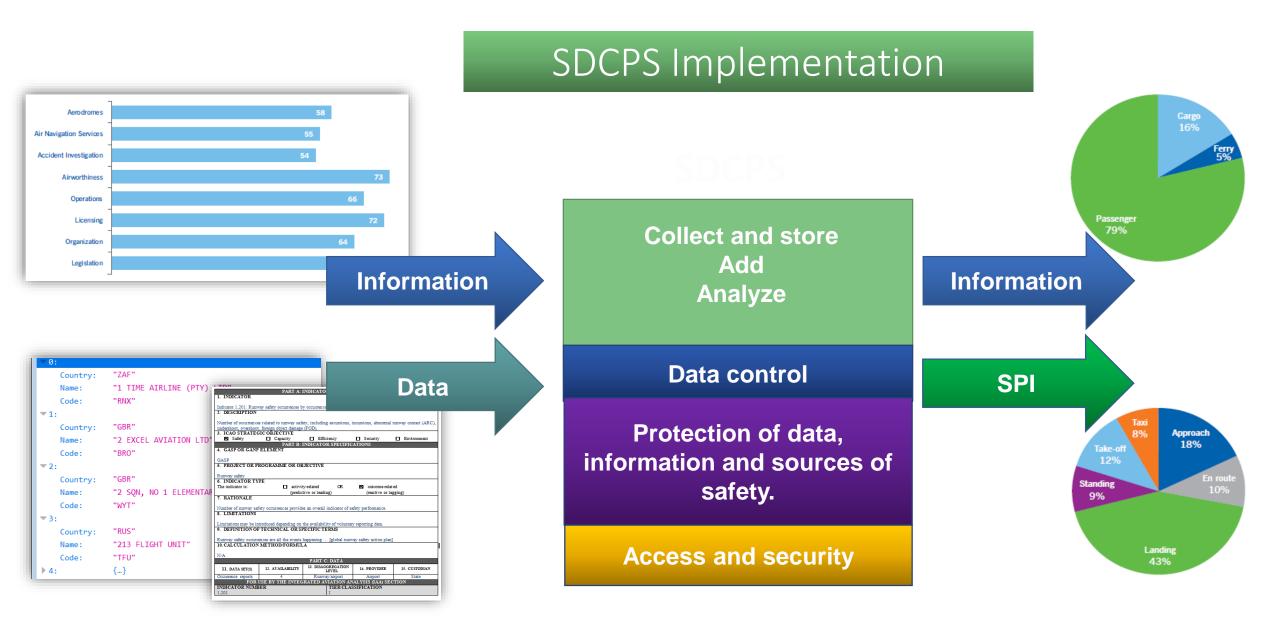
RBS	Fecha de término	2019					2020			
		AGO	SEP	OCT	NOV	DIC	ENE	FEB	MAR	% Complete
1. Conops	10/12/19	7								100%
2. Tools techspecs	15/12/19					Y .				100%
3. RBS methodologies manual	22/01/20									100%
4. Hazards taxonomy manual	08/01/20			Y						100%
5. Safety inspectors PEL, OPS, AIR y AGA	15/02/20				Y		A			100%
6. RBS tolos (prototype)	22/01/20					V				100%
7. RBS Workshop	13/03/20				Y					100%

¿What is route map for our States?

SDCPS development and implementation



¿What is route map for our States?



Thanks for your attention!

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