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SAFETY MANAGEMENT IMPLEMENTATION IN THE NAM/CAR REGIONS

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Overview

01 ICAO STRATEGIC OBJECTIVE ON SAFETY

02 STATE SAFETY PROGRAMME (SSP) IMPLEMENTATION STATUS IN THE NAM/CAR REGIONS

03 IDENTIFIED PROBLEMS

04 ICAO NACC INITIATIVES AND PROJECTS

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ICAO STRATEGIC OBJECTIVE ON SAFETY

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Doc 10004

Global Aviation Safety Plan

2023–2025

Approved by and published under the authority of the Secretary General

INTERNATIONAL CIVIL AVIATION ORGANIZATION

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Safety is the highest priority of the International Civil Aviation Organization's (ICAO) Strategic Objectives. This Strategic Objective aims to enhance global civil aviation safety and focuses primarily on the State's effective safety oversight and its capabilities in the management of safety.

The objective is set in the context of growing passenger and cargo movements, and the need to address efficiency and environmental sustainability.

A safe aviation system contributes to the economic development of States and their industries. The Global Aviation Safety Plan (GASP) outlines the global strategy for the triennium, to achieve ICAO Safety Strategic Objective.

GLOBAL AVIATION SAFETY PLAN

The purpose of the GASP is to continually reduce fatalities, and the risk of fatalities, associated with accidents by guiding the harmonized development and implementation of regional and national aviation safety plans. States, Regions and industry facilitate the implementation of the strategy presented in the GASP through regional and national aviation safety plans.

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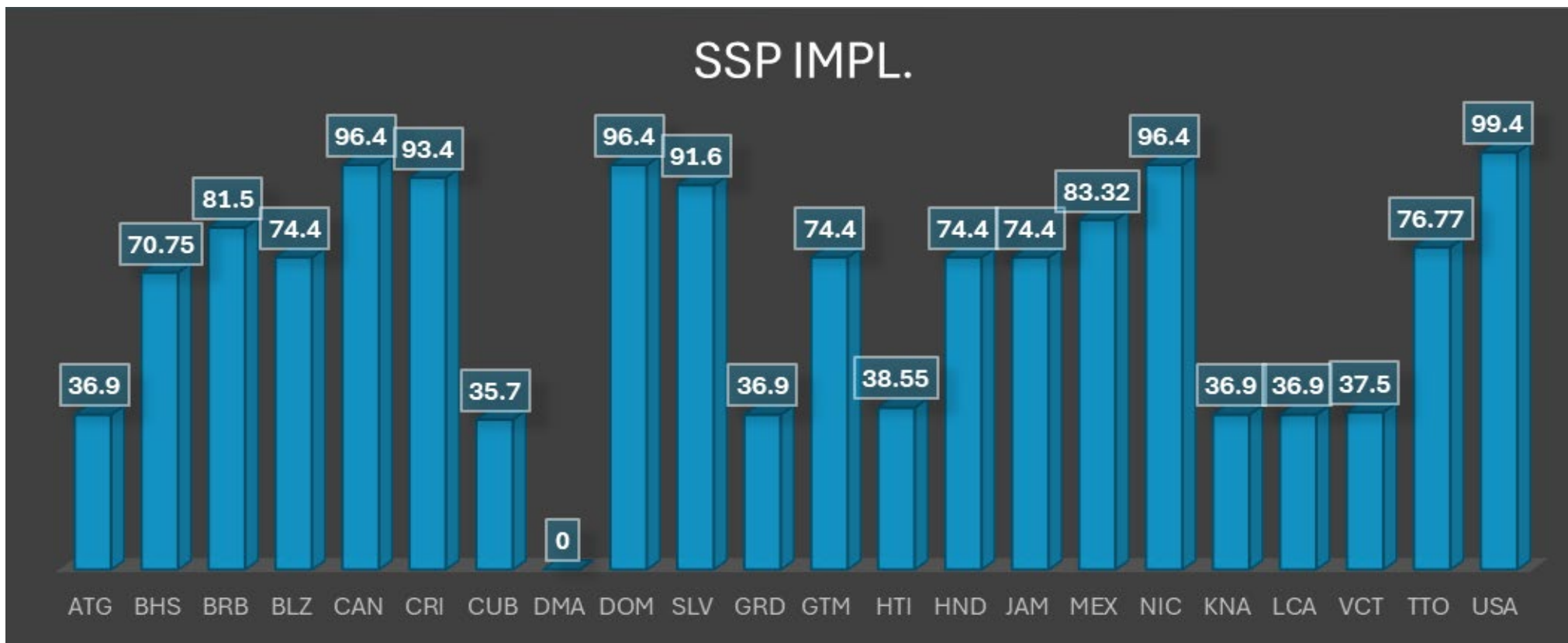## SSP IMPLEMENTATION STATUS IN THE NAM/CAR REGIONS

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Introduction

The monitoring system used by the ICAO NACC Regional Office is based in the information provided in the Integrated Safety Trend (Analysis) and Reporting System (iSTARS) application and the virtual/on-site support provided to the States.
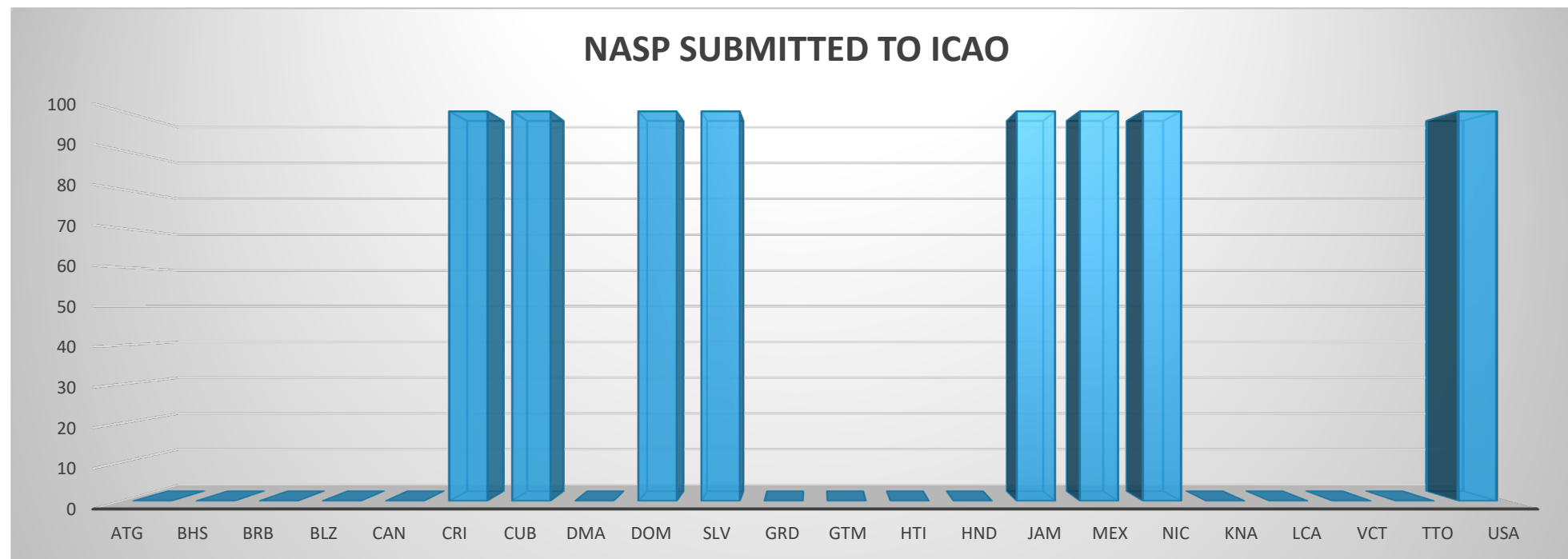
Up to this point the SSP implementation progress in the CAR Region is low, despite of some scores in some indicators, such as the SSP foundation and the SSP GAP analysis.

The lack of resources and other priorities has caused the slowing down of the implementation.

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SSP percentage of implementation in accordance with iSTARS SSP GAP Analysis

SSP IMPL.

ATG 36.9, BHS 70.75, BRB 81.5, BLZ 74.4, CAN 96.4, CRI 93.4, CUB 35.7, DMA 0, DOM 96.4, SLV 91.6, GRD 36.9, GTM 74.4, HTI 38.55, HND 74.4, JAM 74.4, MEX 83.32, NIC 96.4, KNA 36.9, LCA 36.9, VCT 37.5, TTO 76.77, USA 99.4

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# National Aviation Safety Plan (NASP) Approved and Submitted to ICAO

States with a Safety Data Collection and Processing System (SDCPS) (Present)

The effective management of safety is highly dependent on the effectiveness of safety data collection, analysis and overall management capabilities.

Having a solid foundation of safety data and safety information is fundamental for safety management, since it is the basis for data-driven decision-making.

Reliable safety data and safety information is needed to identify trends, make decisions and evaluate safety performance in relation to safety targets and safety objectives, and to assess risk.


SDCPS present
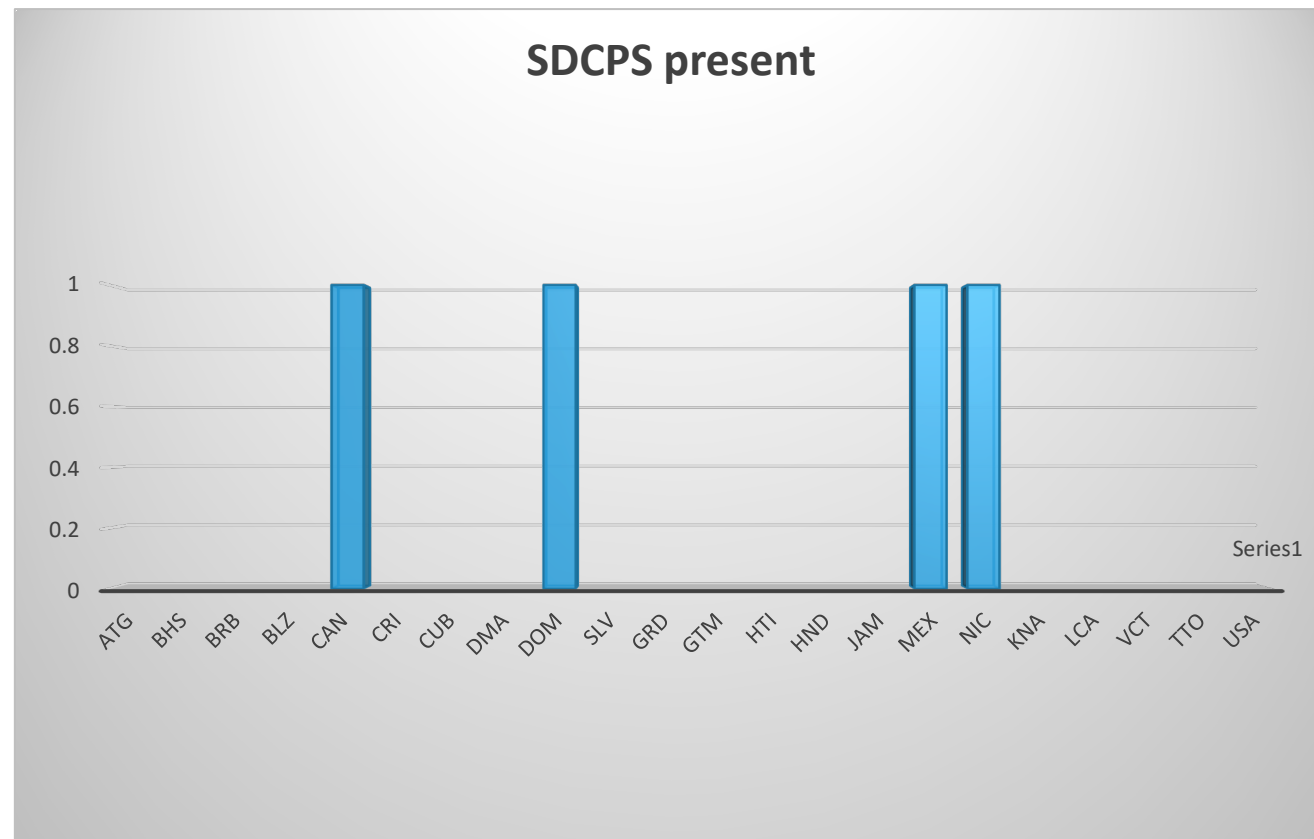
SSP Foundation Score

This application displays a sub-set of 277 Protocol Questions (PQs) out of the 790 PQs used to calculate the USOAP Effective Implementation (EI).

This sub-set of questions are considered as the foundation for a State Safety Programme (SSP) implementation.

An SSP Foundation indicator is calculated as the percentage of the PQs that are either validated by USOAP or submitted as completed* through the Corrective Action Plans (CAP) on the USOAP-CMA Online Framework.
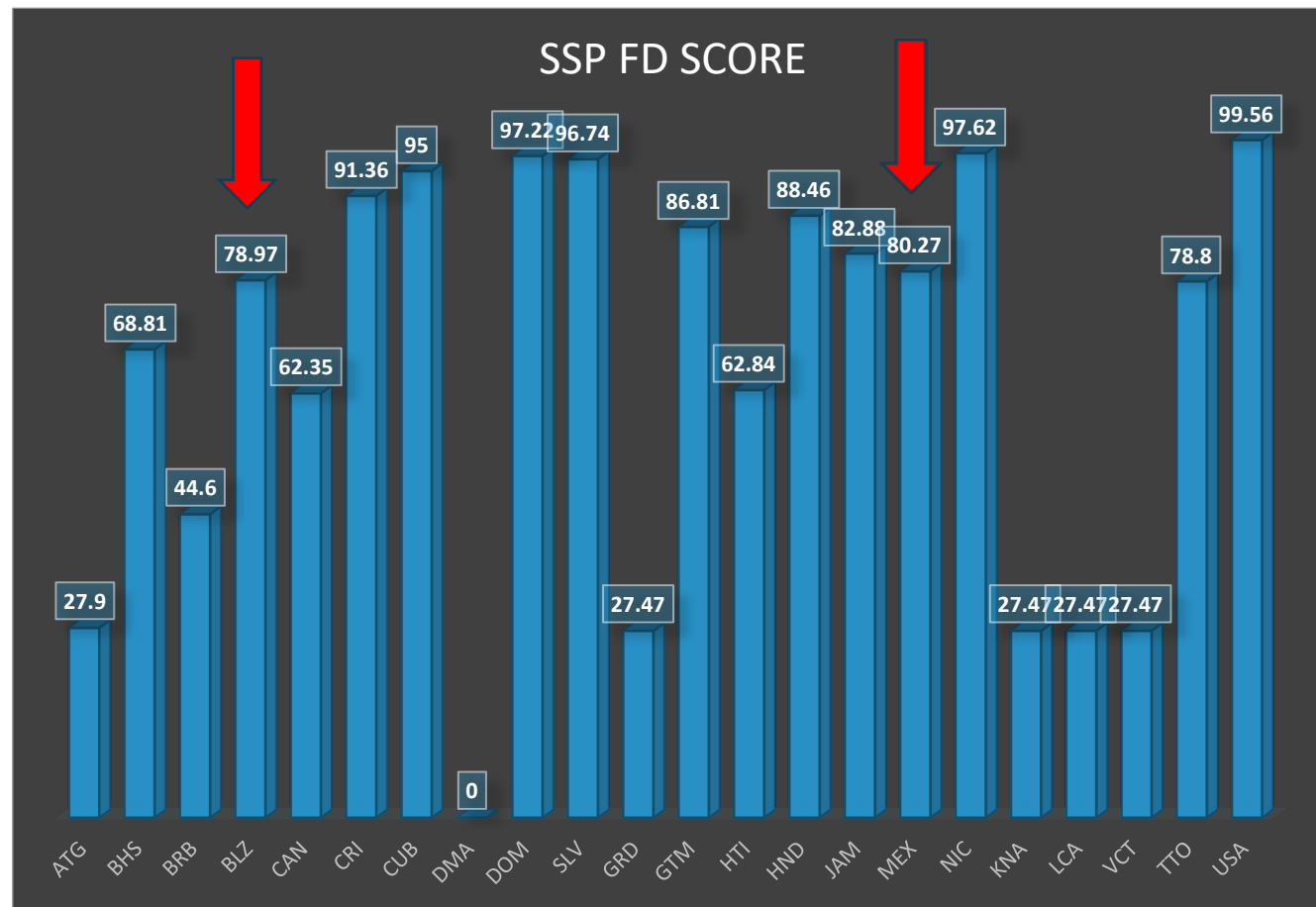
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PROBLEMS IDENTIFIED IN THE IMPLEMENTATION OF THE SSP

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Problem identification

The ICAO NACC Regional Office has conducted a sampling evaluation of the SSP implementation, whereby it's been possible to identify four fundamental problems that keep our States from implementing a functional safety management system.

☑ Lack of resources: Several States consider only one person to handle the SSP implementation, the NASP development and sometimes SMS matters.

☑ Other priorities: many States have been through different challenges to improve their safety oversight system, which leave SSP matter as a lower priority.

☑ Lack of an adequate Safety Data Collection and Processing System, which is fundamental part of the safety management.

☑ Lack of a legal framework for the protection of the safety data.

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ICAO NACC INITIATIVES AND PROJECTS

SSP Implementation Project

Project objectives

- Improve the capacity of the States, provide the tools to enhance the SSP document and its implementation in the States of the CAR Region.

- Foster among the states the provision of courses required for the development/ implementation of the SSP.

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SSP Implementation Project

Project objectives (cont.)

- Development of **Ad-hoc workshops** to assist States in the implementation of the SSP.

- Take advantage of synergies between the Central American Aviation Safety Agency (ACSA) and the NACC SSP Working Groups for the development/implementation of the SSP.

- Provide technical support to the States of the CAR Region, with the collaboration of experts from the Champion States and ACSA.

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SSP Implementation Project

Evaluation Phase

- This phase of the project prioritized States taking into consideration the states' qualifications according to the "SSP Foundation" of the ICAO Integrated Safety Trend Analysis and Reporting System (iStars).

- The evaluations were carried out virtually, through meetings, in ten business days, over a period of six weeks.

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SSP Implementation project

Data Collection Phase

- Taking into consideration the number of States in the CAR Region, an assessment of four states constitutes a 20% sampling that can serve to find common problems in the Region. Once the virtual evaluations are conducted, the Subject Matter Experts (SMEs) will collect weaknesses that may have a significant impact on the SSP establishment in the Region.

- Once the SMEs identify the needs of the States, they will develop an Ad-hoc workshop to help the States solve the common problems.

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SSP Implementation Project

Workshop Deployment Phase

An Ad-hoc workshop is planned to be deployed in May 2024.

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Project´s SMEs

The project has the support of 4 Subject Matter Experts (SME) provided by Member States and a Regional Safety Oversight Organization (RSOO) (Dominican Republic, Nicaragua and ACSA)

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State Safety Program (SSP)
Assessment Tool

- This tool is used to evaluate and analyse the implementation and effectiveness of a State Safety Programme (SSP). This tool is designed to provide a systematic approach to conducting an objective analysis of the safety management programme. The final objective is to identify areas for improvement and strengthening of the SSP to guarantee an optimal level of safety in the State.

- It was developed in October 2020 by the International Safety Management Collaborative Group.

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Future Activities

The NACC Regional Office will continue conducting virtual evaluations in the CAR Region States complying with the criteria, in order to provide technical support as needed.

NATIONAL AVIATION SAFETY PLAN (NASP) IMPLEMENTATION PROJECT

Problem Identified

- Difficulty of the CAR Region States to prepare their NASP, due to the pandemic and the change in internal priorities of the States, lack of qualified personnel or technical support.

- Among the States of the Region, only 8 submitted their NASP to ICAO.

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OBJECTIVE

The Project objective is to ensure, by the provision of the appropriate training and guidance, that CAR States have the required tools and knowledge to develop their NASPs and have them approved by the end of 2024.

Project Activities

To achieve our objective, the project carried out the following activities:

- Provision of "The ICAO National Aviation Safety Plan" virtual training to the personnel of 13 CAR Region States

- Development and deployment of a "NASP implementation workshop" to 25 participants from 12 States. The workshop aimed at assisting the States with a technical review of the NASP preparation guide and the necessary methodologies for its development.

Planned Activities

To achieve our objective, the project carried out the following activities:

- In 2023 the first four States had on-site technical assistance missions, carried out by SMEs, and the ICAO Safety Implementation Regional Officer. Three more missions are planned for 2024 (Belize, Guatemala and Honduras)

- Virtual assistance and follow-up sessions will be conducted as required, carried out by the SMEs. We are in the process of receiving the action plans by the evaluated States.

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Thank You!