



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

Fifth Meeting of the African Air Navigation Services Providers

(Lomé, Togo, 28 March - 1st April 2022)

Agenda Item 6: *Implementation of ICAO Global and Regional Air Navigation Plans (GANP & AFI/ANP) and ANSPs Priority Areas of Cooperation*

Title of the Paper

Regulatory compliance of Air Navigation Service Providers

(Presented by Farid Zizi, Director of France Aviation Civile Services)

SUMMARY	
<p>This working paper addresses the need to support and automate the Safety Management System of Air navigation service providers in order to meet the objectives set by the Cotonou Declaration.</p> <p>The implementation of an automated tool for safety analysis would strengthen the safety management system by ensuring the reliability, accuracy and harmonisation of performance indicators.</p> <p>The meeting is invited to launch a feasibility study on the use of ELVIRA in order to meet the objectives set by the Cotonou Declaration.</p>	
REFERENCE(S)	
<i>Strategic Objectives</i>	A-Safety, B-Capacity and efficiency of air navigation

1 INTRODUCTION

- 1.1. The Cotonou Declaration (2010) provides in its Article 1 for the full implementation of ICAO Standards and Recommended Practices in accordance with the AFI Region. Article 9 of the same declaration provides for the implementation of the Safety Management System (SMS). For the SMS Programme, the Peer Review Programme has adopted the CANSO Standards of Excellence (SoE).
- 1.2. While it is difficult to ensure the reliability and accuracy of safety data collection and analysis within an air navigation services provider, it is also difficult to coordinate this information between States and to harmonise the analysis of safety events.
- 1.3. The implementation of an automated tool accessible by air navigation services providers for the replay and analysis of safety events would support the safety management system promoted by the Cotonou Declaration by ensuring the reliability, accuracy and harmonisation of safety performance indicators.

Attachment**2. DISCUSSION**

- 2.1. The ELVIRA safety management tool is dedicated to the analysis of safety events for the Safety Management System. ELVIRA allows the recording, replay and analysis of air traffic as well as the calculation of safety indicators.
- 2.2. France Aviation Civile Services intends to propose this tool to African ANSPs in order to strengthen and automate their Safety Management System. The automation allows to detect safety events, replay traffic and listen to audio recordings to finely analyse any event. It ensures completeness, reliability and accuracy of analysis. It also saves a significant amount of time, as most of the work is currently done manually. Finally, ELVIRA automatically calculates safety performance indicators to monitor performance. It is available in English and French.
- 2.3. ELVIRA is a light and easy-to-install PC-based tool that allows remote and coordinated analysis for several sites, thus guaranteeing the harmonisation of safety methods and indicators between these sites.

3 ACTION BY THE MEETING

- 3.1 African Air Navigation Service Providers are invited to read this information paper and to benefit from a presentation and demonstration of ELVIRA during the time of this meeting.
- 3.2. The meeting is invited to launch a feasibility study on the use of ELVIRA in order to meet the objectives set by the Cotonou Declaration.

Presentation of ELVIRA