



ICAO

Twenty-Second Meeting of the AFI Planning and Implementation Regional Group (APIRG/22)

(Accra, Ghana, 29 July – 2 August 2019)

iMPLEMENT

(Presented by the Secretariat)

SUMMARY	
<p>This working paper presents iMPLEMENT, a data-driven decision making process based on the use of tools available on iSTARS. By following iMPLEMENT, States can assess the current status of aviation in their State, prioritize problems and identify solutions, and better manage resources in a timely manner.</p>	
<p>Action: Refer to Paragraph 4</p>	
<i>Strategic Objectives</i>	

1 INTRODUCTION

- 1.1 In order to support the Regional Planning and Monitoring actions, ICAO has developed iMPLEMENT, a process designed to assist Directors General of Civil Aviation and Ministers of Transport to make informed decisions based on data. iMPLEMENT facilitates data-driven decision making using a set of applications and tools available on the iSTARS platform. By following the sequence proposed through the iMPLEMENT process, what is generated is a comprehensive report containing relevant information on the status of aviation in a State.

2 The iMPLEMENT PROCESS

- 2.1 iMPLEMENT supports a data-driven decision making approach by providing a framework that follows the steps below. Note that for each step, a set of tools is proposed (in brackets) to assist the user to complete the related analysis and move forward.
- First, it provides an assessment of the current status of aviation in terms of safety and connectivity (State Safety Briefing, Airport Briefing, USOAP Report, Accessibility App, State Traffic App, Connections, Economic Development Indicators, Air Navigation Implementation App);
 - It prioritizes problems and enables the identification of solutions available in order to maintain or improve the aviation capability of a State (Safety Margins, SSP Foundation App, State Safety Performance (SSP) Gap Analysis App, Protocol Questions (PQ) Tester, Solution Center);
 - The third step is the evaluation of the needs of the aviation system in terms of resources: financial, people and infrastructure (CAA HR Toolkit, Risk Based Surveillance);

- Lastly, it helps access and better manage resources (The Aviation Safety Implementation Assistance Partnership (ASIAP) Prioritization App, Donor Profiles, Contingency Planning); and
- In the future, iMPLEMENT will also showcase the real added value of aviation and the socio-economic returns of investment in aviation.

3 iMPLEMENT WORKSHOPS

3.1 An iMPLEMENT workshop has been developed in order to raise awareness of the tools available to help States prioritize activities based on data. The workshop covers the fundamentals of data-driven decision making, iMPLEMENT and related iSTARS applications. Through group exercises, participants learn how to use iSTARS tools in a guided and step by step way to ultimately learn how to produce a high-level report containing the analysis and assessment results. The objective of the workshop is for participants to familiarize with:

- How to produce of a high-level report showing State information by adopting a data-driven decision making approach;
- How to facilitate the enhancement of a State’s implementation rate by prioritizing activities based on data; and
- How to use the tools available on iSTARS to better manage resources.

3.2 The workshop is intended for all staff of Civil Aviation Authorities (CAAs), safety managers and safety specialists who are involved in implementing ICAO’s Standards and Recommended Practices (SARPs). The participation of staff of service providers and the industry (ANSPs, Airlines and Operators) is also encouraged.

3.2 In the AFI Region, one workshop has been conducted in the West and Central African (WACAF) Regional Office RO from 21 to 23 May 2018. The workshop, tools and iMPLEMENT process were very well received by the 50 participants. A second iMPLEMENT Workshop for the East and Southern African ESAF Region will be hosted by Mauritius from 6 to 9 August 2019.

3.3 States can also choose to host iMPLEMENT workshops for their regulatory bodies, service providers and industry staff. Such workshops can be conducted on a cost-recovery basis and can be combined with the Integrated Staffing and Training Roadmap for Inspectors (iSTRI) On-site Assistance Missions performed by the same team of tool experts.

4 ACTION BY THE MEETING

4.1 The meeting is invited to take note of the information presented in this working paper and recommend to States to familiarize with iMPLEMENT and its applications. States may decide to host a workshop on a cost recovery basis.

4.2 Additional information can be obtained from Dunia Abboud, Associate Analysis Officer: dabboud@icao.int