



INTERNATIONAL CIVIL AVIATION ORGANIZATION

First Meeting of APIRG Infrastructure and Information Management Sub Group (IIM/SG/1)
(Nairobi, Kenya, 27-30 June 2017)

6 AFI Air Navigation Reporting Forms

6.1 AFI IIM Related ASBU modules Air Navigation Reporting Forms (ANRFs)

AFI IIM ANRFs

(Presented by Secretariat)

Table with 1 column and 4 rows: SUMMARY, This paper presents the Air Navigation Reporting Forms (ANRFs) identified in the field of Aeronautical Information Management, Aeronautical Meteorology, Aeronautical Communication, Navigation and Surveillance in support to Air Navigation Service provision. Action by the meeting is at paragraph 3: REFERENCE(S): Doc 9750, Global Air Navigation Plan; Doc 7474, Air Navigation Plan — Africa-Indian Ocean Region; Report of AFI/RAN 7th meeting; Report of Sp AFI/RAN 8 Meeting; Report on APIRG Meetings; Report on the meeting for the establishment of the APIRG IIM Sub Group. Related ICAO Strategic Objective(s): A – Safety, B – Air Navigation Capacity and Efficiency, D – Economic Development of Air Transport, and E – Environmental Protection. Related ASBU KPIs & B0 Modules: All applicable to AIM, CNS and MET

1. INTRODUCTION

1.1 The SP AFI RAN/08 meeting, Durban, South Africa, November 2008 agreed that it was critical to establish a set of metrics to measure performance in the region and requested ICAO to coordinate with States, organizations and stakeholders in the region to collect and process data to measure the metrics, leveraging to the extent possible in all existing data and ongoing efforts.

1.2 In consideration of the above, APIRG/18 Meeting under its Decision 18/06- Performance – Based Approach – Metrics agreed on the development of indicators that are specific, measurable, achievable, realistic and time bound that should be attached to the Performance Framework Forms (PFFs) in the appropriate box, using the metrics recommended under SP AFI RAN/08 Recommendation 3/3 and/or others determined to be appropriate indicators for the AFI Region and encouraged States/Organizations to use the regionally agreed indicators.



1.3 APIRG/19 meeting, Dakar, Senegal, 28 – 31 October 2013, agreed on priorities, targets and metrics/indicators to measure implementation progress and operational improvements for all the 18 ICAO ASBU Block 0 Modules applicable to the AFI Region. In this regard 15 Air Navigation Reporting Forms (ANRFs) were developed for recommended modules, and 3 other ANRFs needed to be completed for specific modules (B0-ASEP, B0-OPFL and B0-WAKE). An Air Navigation Reporting Form comprises elements of consistency, the update of which will enable a detailed and complete reporting.

## 2 DISCUSSION

2.1 The First field of an ANRF contains the generic title: **AIR NAVIGATION REPORT FORM (ANRF) AFI Regional Planning for ASBU Modules.**

2.2 The second field comprises the **REGIONAL PERFORMANCE OBJECTIVE**, refers to the Block 0 module and its title (ex. **B0-APTA: Optimization of Approach Procedures Including Vertical Guidance**) and the ASBU Improvement Area (ex. **Performance Improvement Area 1: Airport Operations**).

2.3 The third field is related to the impact of the Performance Objective on the Main Key Performance Areas (**KPAs**). In this field is evaluated the applicability of the performance objective to the different KPAs (**Access & Equity; Capacity; Efficiency; Environment and Safety**).

2.4 Items **4, 5** and **6** are dealing with **Planning, Targets and Implementation Progress** of the different contributing **Elements** of the performance objective (ex. For **B0-APTA: APV with Baro VNAV; APV with SBAS; APV with GBAS**).

2.5 Field **7** addresses Implementation Challenges encountered in the implementation of the different contributing elements in the areas of **Ground system Implementation, Avionics Implementation, Procedures Availability and Operational Approvals**.

2.6 Item **8** of the ANRF is dealing with the Performance Monitoring and Measurement of the contributing Elements and the Key Performance Areas.

In the sub-section, generally referred to as **8A**, are identified **Performance Indicators and Supporting Metrics** to monitor the status of implementation of the contributing Elements to the Performance Objective (**ASBU Module**). The second sub-section referred to as **8B** identifies and assesses **Performance Indicators and Supporting Metrics** set forth for the monitoring of the added value on the Key Performance Areas provided by the implementation of the Performance Objective.

2.7 The example of the **Performance Objective B0-APTA: Optimization of Approach Procedures Including Vertical Guidance** can illustrate the 8 components of an ANRF.

This example clearly shows that when properly developed with raw data, maintained and updated with dynamic data, ANRFs are powerful tools for planning, implementation, monitoring and reporting on the air navigation system at national, regional and global levels.

2.8 Amongst the 15 ANRFs developed by APIRG 13 ANRFs are identified and can be selected as dealing directly with the IIM subjects. These ANRFs as attached at Appendix to this Working Paper.



## 2 ACTION BY THE MEETING

The meeting is invited to:

- a) Take note of the information presented in this working paper;
- b) Encourage IIM projects Teams to map the identified IIM projects to the Performance Objectives defined in the ASBU Block 0 Modules;
- c) Encourage Administrations/Organizations to develop/update their national ARNFs and report to the Projects team leader and to the Secretariat of IIM/SG
- d) Agree on further planning and implementation actions to be conducted.

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