



Tenth Meeting of the APIRG Air Traffic Services, Aeronautical Information Services and Search and Rescue Sub-Group
[Dakar, Senegal 13 – 15 May 2009]

Agenda Item 2: Review of Special AFI RAN 08 Recommendations pertaining to ATS, AIS and SAR fields.

AIR NAVIGATION - GENERAL

(Presented by the Secretariat)

SUMMARY

This paper reviews the Special AFI RAN 08 Recommendations pertaining to ATS, AIS and SAR fields, and calls for the Sub-group's actions as appropriate.

References:

- ICAO Special AFI RAN 2008 Report.

1. Introduction

- 1.1. This presents the meeting with the **Special AFI RAN 08 general recommendations pertaining to** air navigation.

2. Discussion

Performance-based approach and measurement

- 2.1. During Agenda item 3, the meeting agreed that a performance-based approach to planning of air navigation services and aviation safety offered an opportunity to strengthen a continent wide commitment to improving safety and efficiency, toward resolving deficiencies and addressing critical issues.
- 2.2. The meeting agreed that successful improvement to the aviation system in the AFI Region would be best facilitated if a meaningful, realistic and effective means of performance measurement were implemented, and that it was critical to establish an initial set of metrics to measure performance in the region. It therefore agreed to adopt the following recommendation.

Recommendation 3/3 — Performance-based approach and measurement

That APIRG and regional safety groups develop indicators that are specific, measurable, achievable, realistic and time bound and attach them to the performance framework forms (PFFs) in the appropriate box, using the following metrics and/or others determined to be appropriate indicators for the African continent (see Appendices to the report on Agenda Items 5¹ and 6):

Efficiency

Cost Effectiveness-1 : Total operating cost plus cost of capital divided by the number of IFR flights;

Capacity-1 : Average daily airport capacity for a group of thirty-five airports measured as a five-year moving average;

- a) Efficiency-1 : Estimated fuel savings (based on 2000 as baseline);
- b) Efficiency-2 : Number of PBN routes/number of APV approaches to runway ends;
- c) Environment-1 : CO₂ burn;

and that,

ICAO coordinate with States, organizations and stakeholders in the region to collect and process data to measure the metrics, leveraging to the extent possible all existing data and ongoing efforts.

- 2.3. Under Agenda item 6, the meeting addressed a wide range of issues related to improving the safety and efficiency of the air navigation system. Major air navigation deficiencies identified through the regional planning processes were also addressed.

Performance-based planning framework

- 2.4. The meeting was presented with a series of performance framework forms (PFF) that it agreed to refer to the AFI Planning and Implementation Regional Group (APIRG). APIRG would use the PFFs to identify individual parties responsible for achieving the performance objectives as well as to establish timeframes for implementation. It was agreed that APIRG

¹ Safety indicators – Agenda item 5 are note reproduced in this recommendation.

should also implement a monitoring mechanism to follow-up on the PFFs developed by the RAN meeting and any future PFFs developed through the regional planning process. The meeting agreed to the following recommendations:

Recommendation 6/1 — Regional performance framework

That:

- a) APIRG adopt the performance-based framework for air navigation systems planning as detailed in the report of this meeting, identifying regional performance objectives and utilizing the performance framework forms (PFFs);
- b) APIRG develop additional PFFs to meet new performance objectives as necessary; and
- c) the performance objectives and the associated PFFs adopted by the meeting and any other PFFs developed by APIRG, be integrated into the CNS/ATM Implementation Plan for the AFI Region (Doc 003) which should then be updated to serve as an integrated planning document for the AFI Region.

Recommendation 6/2 — National performance framework

That States adopt a national performance-based framework for air navigation systems planning as detailed in the report of this meeting, identifying national performance objectives, aligned with the regional performance objectives, utilizing the performance framework forms.

Recommendation 6/3 – Re-organization of the regional air navigation plan

That ICAO, at the global level and in coordination with regional offices, review the regional air navigation plans and propose changes to their structure, organization and format to ensure alignment of the regional air navigation plans with the Global Air Navigation Plan and the performance-based approach to air navigation planning.

Recommendation 6/4 – Re-organization of APIRG

That APIRG review its working methods and organization and consider making adjustments to better support the ICAO performance framework in its planning and implementation activities.

ICAO Technical Co-operation Bureau

- 2.5. The meeting was briefed on the assistance to ICAO Contracting States that ICAO TCB offered in the development and implementation of civil aviation projects.
- 2.6. The meeting agreed that a technical cooperation project in the AFI Region could serve as a useful mechanism to support implementation of the performance objectives contained in the performance framework forms as well as to assist States in meeting national performance objectives, in addressing air navigation deficiencies; training, planning and implementation of quality assurance systems. On this basis, the meeting agreed to the following recommendation:

Recommendation 6/28 – Implementation of a Global ATM System ICAO Technical Cooperation Project

That the AFI Region consider the establishment of a Technical Cooperation Project, funded by AFI States and donors, to support planning and implementation of performance objectives, aligned with the Global ATM Operational Concept and the Global Air Navigation Plan.

3. Conclusion

- 3.1. The Sub-group is invited to:
 - a) Note SP AFI RAN 2008 Recommendations contained in the paper;
 - b) Develop amendment proposals to its future work programme to assist APIRG in addressing these recommendations;
 - c) Initiate follow-up action to be taken by APIRG on Recommendations 3/3, 6/1 and 6/4.

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