



INTERNATIONAL CIVIL AVIATION ORGANIZATION

Fourth Meeting of the APIRG Communications, Navigation and Surveillance Sub-group
(Dakar, Senegal, 25-29 July 2011)

Agenda Item 6: Aeronautical Radio Navigation Service

Review of the implementation status and performance of the aeronautical radio navigation service, and identification of deficiencies and remedial action.

(Presented by the Secretariat)

<p style="text-align: center;">SUMMARY</p> <p>This paper examines the status of implementation of ARNS facilities in the AFI Region and identifies deficiencies and corrective measures for their elimination.</p>
<p>Action to be taken is at paragraph 3.</p>
<p>References:</p> <ul style="list-style-type: none">• APIRG/17 Report• Input from States
<p>ICAO Strategic Objectives: A and C.</p>

1. Introduction

1.1 . This paper reviews the current status of ARNS and related deficiencies in the AFI Region. The information in this paper is from ARNS deficiency report from APIRG/17 and updated information from States.

2. Discussion

2.1. **Appendix** to this paper contains the updated list of the deficiencies affecting the aeronautical radio navigation service in the Region. It shows that 28 navigational aids required in the AFI ANP have not yet been implemented, whereas 2 installed facilities are to be repaired.

2.2 Table below provides the number of deficiencies for each type of navigational aid:

NAVAIDS	Number of deficiencies		
	To implement	To repair	Total
VOR	12	-	12
VOR/DME	12	01	13
DME	01	-	01
ILS	3	01	04
<i>Total</i>	28	02	30

2.3 It shows that radio navigation deficiencies are 20.51% of the reported CNS deficiencies.

3. Action by the CNS Sub-group

3.1 The CNS Sub-group is invited to:

- a) Take note of the information provided in this paper;
- b) Review and update the information provided at **Appendix** (as required);
- c) Urge States concerned to endeavor to implement any available remedial solutions as soon as possible;
- d) Formulate any conclusion aimed at improving ARNS efficiency in the AFI Region.
