



International Civil Aviation Organisation

Sixth Meeting of CNS/MET Sub-Group of APANPIRG

Bangkok, Thailand, 15 to 19 July 2002

Agenda Item 6: Review:

- a) Strategy for the provision of Precision Approach and Landing Guidance Systems
- b) GNSS strategy
- c) GNSS implementation
- d) GPS measurement campaign

UPDATE ON ICAO GNSS PANEL DEVELOPMENT OF GROUND-BASED REGIONAL AUGMENTATION SYSTEM (GRAS) STANDARDS AND RECOMMENDED PRACTICES

(Presented by Australia)

SUMMARY

Australia continues to lead a small subgroup of Working Group B (Technical) of the ICAO GNSS Panel developing Standards and Recommended Practices for the use of Ground-based Regional Augmentation Systems (GRAS). Collaboration with other States is assisting the development

1. INTRODUCTION

1.1 In 1999, the GNSS Panel was tasked with producing Standards and Recommended Practices (SARPs) for Ground-based Regional Augmentation Systems (GRAS). Australia was asked to lead the subgroup. In 2000 a Concept of Operations was produced and is being reviewed. The GRAS SARPs are listed on the agenda for GNSS Panel Number 4 in March 2003. Several issues have been identified for resolution before the GRAS SARPs can be progressed. Several studies have been initiated to provide assistance to the subgroup. A review of progress will be made at a GNSS Panel Working Group B meeting in San Antonio Texas USA 15-26 October 2002.

1.2 In 2002, Airservices Australia, the prime developer of GRAS in Australia, signed a Memorandum of Cooperation with AeroThai, Thailand for technical cooperation. One of the tasks listed is to develop a GRAS test bed in Thailand. Both organisations are working out the finer details but a system should be in place in 2003. Saudi Arabia has also expressed an interest in developing a GRAS test bed.

2. RECOMMENDATION

2.1 The meeting is invited to note the continued development of GRAS SARPs by ICAO's GNSS Panel and the forthcoming GRAS test bed activity in Thailand.

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