

ELEVENTH AIR NAVIGATION CONFERENCE

Montreal, 22 September to 3 October 2003

Agenda Item 6 Aeronautical navigation : issues

GNSS DEVELOPMENT STATUS

(Presented by Uganda)

SUMMARY

Uganda acknowledges the value of GNSS in improving flight safety at a much reduced cost. As such Uganda has taken steps to implement GNSS procedures. It has published WGS-84 co-ordinates for a number of aerodromes in the AIP, and developed GNSS procedures for Entebbe International airport which are only awaiting flight verification.

1. INTRODUCTION

1.1 Uganda recognizes the progress made in global navigation satellite system (GNSS) development in Africa so far, and the consequent potential improvement of the safety levels in the African skies. This paper highlights the progress made by Uganda in its individual capacity as well as within the East African Community setting. In addition, the paper endorses the position of the Fourteenth Meeting of the AFI Planning and Implementation Regional Group (APIRG/14) concerning the time frame for communications, navigation, and surveillance/air traffic management (CNS/ATM) implementation.

2. PARTICULARS

2.1 WGS-84 Co-ordinates

2.1.1 Uganda has carried out world geodetic system-1984 (WGS-84) survey at Entebbe International Airport and four domestic aerodromes namely, Soroti, Gulu, Arua and Kisoro. For Entebbe, the survey was financed under the United States' Safe Skies Initiative for Africa. The WGS-84 co-ordinates

have been incorporated in the Aeronautical Information Publication (AIP) Uganda. The AIP is in the new ICAO format.

2.2 **GNSS procedures**

2.2.1 Uganda has developed GNSS procedures for Entebbe International Airport. The procedures were developed by International Air Transport Association (IATA) and are awaiting flight verification. In the regional approach Uganda, as a member of the East African Community, is participating in the on-going regional GNSS project being funded by the United States Department of Transportation/Federal Aviation Administration (FAA)

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