



International Civil Aviation Organization

**Seventh Meeting of CNS/MET Sub-Group of APANPIRG and
Tenth Meeting of CNS/ATM IC Sub-Group of APANPIRG**

Bangkok, Thailand, 15 – 21 July 2003

Agenda Item 8 (1): Review implementation of ISCS and SADIS

GRIB AND BUFR TRAINING

(Presented by the United Kingdom)

SUMMARY

A successful GRIB/BUFR Training Seminar was held in Bangkok for states in the ASIAPAC Region in November 2002. States now need to consider purchasing upgraded software in good time for the cessation of transmission of T.4 charts on 1 July 2005.

1. Introduction

Conclusion 6/13 from the SADISOPSG tasked the SADIS provider to work with WMO, ASECNA and ICAO in establishing training seminars to enable SADIS users to successfully utilise GRIB and BUFR encoded products.

2. Discussion

2.1 The first Training Workshop was carried out in Niamey, Niger for States in West and Central Africa in March 2002. Further workshops were conducted in Bangkok, Thailand for States in the ASIA/PAC Region in November 2002, and in Johannesburg, South Africa for States in East and South Africa in January 2003. In the Europe region, training workshops were held in Bracknell, UK in May 2003 and in Moscow during June 2003 for Russian speaking States. The MID-Region remains to be covered, but it is tentatively planned to hold a workshop for this region in late 2003 or early 2004.

2.2 The ASIAPAC Training workshop was attended by 23 participants from 15 States (see Annex for all states that have received training). Software packages from Corobor, Netsys, IES and Almos-Sigmex were demonstrated and all delegates had the opportunity to familiarise themselves with the software. Feedback from the workshop was generally positive, although participants from some States feel that further training of their staff will be required before they will be in a position to use new software from the SADIS workstation manufacturers. It is perhaps unfortunate that for many States it will be many months between the time that training was provided and when States will purchase upgraded software.

2.3 After States have received training in the use of GRIB and BUFR visualisation software, *it is the responsibility of these States to acquire the necessary software to use these data formats in an operational capacity.* SADISOPSG/7 Conclusion 7/13 tasked ICAO to remind all

SADIS users of their responsibility to obtain the latest versions of GRIB and BUFR visualisation software from their software vendor. All of the workstation manufacturers are working towards producing GRIB and BUFR software modules that are fully compliant with the SADIS software functionalities that were stated as essential by SADISOPSG/6. From the experience gained through running the workshops the the SADIS provider is aware that there is significant variability in terms of the functionality, pricing and levels of support provided by the different manufacturers. The SADIS provider has recommended that the SADISOPSG consider the concept of 'bulk-buying' of SADIS workstation software in order to reduce costs and provide more consistent levels of support to user states.

3. Action

3.1 The SADIS provider requests the meeting to note the information contained in this paper.

3.2 The SADIS provider requests the meeting to note any action resulting from the SADISOPSG in relation to the purchase of upgraded workstation software.

Annex A. States that have received GRIB/BUFR Training as at 12.6.03

Europe	Eastern Europe	Mid	West & Central Africa	East & South Africa	Asia
Austria			Benin	Botswana	Bangladesh
Belgium			Burkina Faso	Ethiopia	Bhutan
Bosnia Herzegovina			Cameroon	Kenya	China
Bulgaria			Central African Rep.	Malawi	China Hong Kong
Croatia			Chad	Mauritius	China Macao
Finland			Equatorial Guinea	Mozambique	Indonesia
Portugal			Gabon	South Africa	PDR Lao
Turkey			Ivory Coast	Swaziland	Malaysia
			Madagascar	Uganda	Maldives
			Mali	Tanzania	Myanmar
			Mauritania	Zambia	Nepal
			Niger		Pakistan
			Senegal		Sri Lanka
			Togo		Thailand
					Viet nam