



International Civil Aviation Organization

**The Second Meeting of the Regional Airspace Safety Monitoring Advisory Group
(RASMAG/2)**

Bangkok, Thailand, 4 – 8 October 2004

Agenda Item 5: Review regional and global airspace planning and implementation developments and provision of airspace safety monitoring services

**UPDATE ON EQUIPAGE BY STATES FOR IMPLEMENTATION
OF DATA LINK SERVICES IN THE INDIAN OCEAN AREA**

(Presented by the Secretariat)

SUMMARY

This paper provides information on the equipage status of States in the Indian Ocean area for implementation of data link services and encourages additional States to participate in the operational trial underway for the bay of Bengal area. The paper also notes the concerns raised by APANPIRG and the Commission regarding the slower than anticipated implementation of CNS/ATM.

1. INTRODUCTION

1.1. An ADS/CPDLC operational trial established by the FANS Implementation Team for the Bay of Bengal area (FIT-BOB) was commenced in the Bay of Bengal area on AIRAC date 19 February 2004. The States participating in the trial are India, Indonesia and Thailand. During the FIT-BOB/3 meeting (February 2004), it was noted that the other States responsible for the airspace over the Bay of Bengal area and adjacent oceanic airspace, i.e. Malaysia, Myanmar and Sri Lanka should be part of the implementation trial.

1.2. In considering the period of the trial and based on the experience of the ATS providers in the Pacific Region, it was agreed to keep the trial period open-ended as the performance of ADS/CPDLC systems would vary and the readiness dates of ATS providers to commence operational ATC services following the trial period would also vary, and it would therefore not be possible to adopt a common date. This flexibility would also facilitate additional participants joining the operational trial as they were ready.

2. DISCUSSION

2.1. The APANPIRG/15 meeting noted that planning and implementation of some elements of the “Asia/Pacific Regional Plan for the New CNS/ATM Systems” such as the ADS-C, ATN, AIDC, automated AIS systems, GNSS and ADS-B were progressing slowly. States were urged to give appropriate priority to progressing their implementation planning, in particular in the area of data link communications and ATM automated systems.

2.2. APANPIRG/15 also noted that the Air Navigation Commission recognized that work related to air navigation systems and, in particular, development and implementation continue to rank amongst the highest priority items on ICAO’s work programme. During its ongoing review of global

and regional developments in the modernisation of air navigation system, the Commission noted that although good progress had been made with implementation of certain elements of CNS/ATM systems, the overall pace of implementation was understandably slower than originally expected. The Commission requested the Secretary General to invite PIRGs and States to enhance their activities in the area of planning and implementation of CNS/ATM systems.

2.3. Accordingly, ICAO encourages States to continue the implementation of data link systems in accordance with the regional ANP and to assign a high priority towards participating in the Bay of Bengal ADS/CPDLC operational trial to the maximum extent possible.

2.4. A table of the level of ADS/CPDLC equipage by States in the Indian Ocean area is provided in **Appendix A**.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the status of data link equipage by States in the Indian Ocean area

.....

RASMAG/2-IP/2
Appendix A

Indian Ocean, Bay of Bengal - ADS/CPDLC equipage and ATS Status

STATE/ ORGANIZATION	FIR	LOGON CODE	Ground Station Manuf- acturer	DSP	ADS	CPDLC	AIDC	FDP	Test, Ops Trial or Operational	Procedures Published	BOB TRIAL	CONTACTS	REMARKS
AUSTRALIA Airservices Australia	Melbourne Brisbane	YMMM YBBB	Thales	SITA	YES	YES	YES	YES	Operational	YES	NO	Geoff Whitely, Operations Manager Melbourne Centre, Tel 61 3 9235 7378, Fax 61 3 9235 2471, E-mail: geoff.whitely@airservicesaustrali a.com	Integrated System, ADS - B in 2005/06
BANGLADESH	Dhaka		NO	NO	NO	NO	NO	NO	NO	NO	NO		2005/06 New CNS/ATM equipment
INDIA Airport Authority of India	Chennai	VOMM	ECIL	SITA	YES	YES	NO	YES	Ops Trial	A1783/03, NOTAM A0700/03 and A1177/03	YES	Sh. B.M.N. Rao GM (CNS) ACS, Chennai Tel: 044-22560444; E-mail: gmcnschen_aai@vsnl.net Sh. N.U.B. Rao GM (ATC) Chennai Tel: 044-22561740; E-mail: gmasr_aai@vsnl.net	ADS-C Integrated with DPS, work in progress to integrate with RDPS
	Kolkata	VECC	ECIL	SITA	YES	YES	NO	YES	Ops Trial	A1278/00 NOTAM A0700/03 and A1177/03	YES	Sh. P.K. Bandopadhaya Addl. G.M. (CNS) ACS, Kolkata Tel: 33-25118722 E-mail: gmce_aai@vsnl.net Sh. Raj Kumar Addl. G.M. (ATC) Kolkata Tel: 033-25119428; Mob: 9830354337 E-mail: gmae_aai@vsnl.net agm_snp_kol@indiatimes.com	ADS-C Integrated with DPS, work in progress to integrate with RDPS

RASMAG/2-IP/2
Appendix A

STATE/ ORGANIZATION	FIR	LOGON CODE	Ground Station Manuf- acturer	DSP	ADS	CPDLC	AIDC	FDP	Test, Ops Trial or Operational	Procedures Published	BOB TRIAL	CONTACTS	REMARKS
	Mumbai								India will wait until ADS/CPDLC issues are fully resolved for the Chennai and Kolkata FIRS before proceeding with ADS/CPDLC in the Mumbai FIR.		NO		
INDONESIA Directorate General of Air Communications	Jakarta	WIIZ	ARINC	ARINC	YES	YES	NO (Sep 04)	YES	Ops Trial	AIP Sup Nr:03/01 17May01	YES	Mr. Nanang S. Taruf Deputy Director System & Procedure Air Navigation Directorate of Aviation Safety E-mail: cns-atm@telkom.net Wi Yono Tel: 6221 5506178 E-mail: dss97@centrin.net.id	
MALAYSIA Department of Civil Aviation	Kuala Lumpur	WMFC		ARINC			NO	YES	Malaysia is installing new off the shelf equipment and will commission as stand alone in mid/late 2005. Will integrate after commissioning.		NO	Mr. Ir Dato Kok Soo Choon E-mail: vausuv@yahoo.com	2005 New Equip Stand alone
	Kota Kinabalu	WBKK		ARINC			NO	YES			NO		2005 New Equip Stand alone
MALDIVES	Male		NO	NO	NO	NO	NO	NO	NO	NO	NO		
MYANMAR Department of Civil Aviation	Yangon	VYYF	Thales	SITA	YES	YES	NO	NO	Ops Trial	AIC A1/99 (10.1.99)	NO	U Yoa Shu Director ATS Myanmar Tel: 95 1 663838 E-mail dca.myanmar@mptmail.net.mn	Stand alone. Moving to new facilities, consider trial after mid 205.
SINGAPORE Civil Aviation Authority of Singapore	Singapore	WSJC	Thales	SITA	YES	YES	NO	YES	Operational	YES	NO	yeo_cheng_nam@caas.gov.sg	Ops Trial completed 1999, integrated system
SRI LANKA Airport & Aviation Services (AASL) Ltd	Colombo	VCCC	Thales	SITA	YES	YES	NO	YES	Ops Trial	AIC-A020F- 2001	NO	Mr Dyan Srilal Subasinghe, Senior ATC, Bandaranaike International Airport, hrd@airport.lk tel: 94 11 2252861-5	Stand alone
THAILAND AEROTHAI	Bangkok	VTBB	ARINC	ARINC	YES	YES	YES	YES	Ops Trial	3 monthly NOTAM	YES	Bangkok ACC Director	

RASMAG/2-IP/2
Appendix A

STATE/ ORGANIZATION	FIR	LOGON CODE	Ground Station Manuf- acturer	DSP	ADS	CPDLC	AIDC	FDP	Test, Ops Trial or Operational	Procedures Published	BOB TRIAL	CONTACTS	REMARKS
ARINC												Mr. Sarawut Assawachaichit Program Manager, Globalink Asia Tel: 66 2 2859435-6 Fax: 66 2 2859437 E-mail: sassawac@arinc.com	
CENTRAL REPORTING AGENCY (CRA)												Mr. Bradley Cornell Boeing Tel: 1 525 2668206 E-mail: bradley.d.cornell@boeing.com	
IATA												Soon Boon Hai Assistant Director Safety Operations & Infrastructure Tel: 65 62397267 Fax: 65 65366267 E-mail: soonbhd@iata.org	
IFALPA												Capt. Toby Gursansky Regional Vice President South Pacific Tel: 61 2 99487532 E-mail:	
SITA												Ms. Karen Stephenson Business Manager ATS Tel: 61 2 92401427 Fax: 61 2 92479330 E-mail: karen.stephenson@sit.aero	
ICAO												Mr. Andrew Tiede Regional Officer ATM Tel: 66 2 5378189, ext. 152 Fax: 66 2 537 8199 E-mail: atiede@bangkok.icao.int icao_apac@bangkok.icao.int	