

*International Civil Aviation Organization*



**AUTOMATIC DEPENDENT SURVEILLANCE –  
BROADCAST SEMINAR AND ELEVENTH MEETING  
OF AUTOMATIC DEPENDENT SURVEILLANCE –  
BROADCAST (ADS-B) STUDY AND  
IMPLEMENTATION TASK FORCE (ADS-B SITF/11)**



Jeju, Republic of Korea, 24-27 April 2012

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**Agenda Item 6: States' activities and interregional issues on trials and implementation of ADS-B and multilateralism**

**CAMBODIA FOR SURVEILLANCE SYSTEM**

(Presented by Cambodia)

**SUMMARY**

This paper presents the current surveillance system in Cambodia

**1. Introduction**

1.1 In Cambodia has three international airports Phnom Penh, Siem Rep, and Sihanouk Ville Airports. The Area Control Center (ACC) is Located at Phnom Penh International Airport and the operational is with in Phnom Penh FIR only.

1.2 Currently, Cambodia has three MSSR Stations, first MSSR located at Phnom Penh International Airport, second located at Siem Rep International Airport and third MSSR with mode-S located at Sihanouk Ville Airport, each Radar station range coverage is 250 Nm which is good visibility detection an aircraft following procedure departure, approach and en-route, full coverage for Phnom Penh FIR refer to the results of flight calibration and in real practice.

**2. Discussion**

2.1 Also at 2011 Cambodia has added three ADS-B AX 680 ground station Receivers (Thales) first ADS-B located at Phnom Penh International Airport, second ADS-B located at Siem Rep International Airport and third ADS-B located at Steung Treng City, Province, each ADS-B range coverage is 250 Nm which is good visibility detection an aircraft following procedure departure, approach and en-route, full coverage for Phnom Penh FIR refer to the results of flight calibration and in real practice.

2.2 Flight check coverage for MSSR and ADS-B has been done every year.

2.3 Currently, all RADARs & ADS-Bs data send to EUROCAT-C system for integrating and processing than distribute to All Controller work position.

2.4 Fortunately, at the end of year 2011 the display system was upgraded from Watch keeper system (EUROCAT-1000) to EUROCAT-C system, this new system are more operational capabilities & safety nets such as readiness for new ICAO FPL 15 November 2012; readiness for AIDC, enhanced surveillance & external interface, enhanced surveillance data processing, accurate multi sensor tracking.

2.5 Cambodia also tries to contact with our neighboring FIRs or countries such as Thailand, Lao, and Veit Nam for testing AIDC and New FPL by schedule.

Item	Name of Station	Location	Latitude	Longitude	SAC	SIC	Range Coverage	Installation Date
01	PNH MSSR	VDPP	11 32 53.4	104 50 54	3	0	250 Nm	2002
02	SR MSSR	VDSR	13 24 51.6	103 48 45	3	20	250 Nm	2004
03	SV MSSR Mode-S	VDSV	10 35 00	103 38 30.8	3	1	250 Nm	2009
04	PNH ADS-B Receiver	VDPP	11 33 18	104 50 42	3	12	250 Nm	2011
05	SR ADS-B Receiver	VDSR	13 24 39	103 49 02	3	13	250 Nm	2011
06	ST ADS-B Receiver	ST City	13 31 35	105 58 10	3	14	250 Nm	2011
07	EUROCAT-C	VDPP	11 32 55	104 51 00				2011

### 3. Action by the Meeting

3.1 The meeting is invited to note the information provided in this paper.

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