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Международная  
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منظمة الطيران  
المدني الدولي

国际民用  
航空组织

Ref. : T 8/10.21:AP026/16 (CNS)

27 January 2016

**Subject:**

a) Fifteenth Meeting of the ADS-B Study and Implementation Task Force (ADS-B SITF/15) Bangkok, Thailand 18 - 20 April 2016; and

b) First Meeting of the Surveillance Implementation Coordination Group (SURICG/1) (Bangkok, Thailand 21 - 22 April 2016)

**Action Required:** Reply at your earliest convenience, preferably, **before 05 April 2016**

Sir/Madam,

I have the honour to invite your Administration to the Fifteenth Meeting of the ADS-B Study and Implementation Task Force (ADS-B SITF/15) and the First Meeting of the Surveillance Implementation Coordination Group (SURICG/1) to be held at ICAO Regional Office in Bangkok, Thailand, from 18 - 20 April 2016 and 21 - 22 April 2016, respectively.

The objective of the ADS-B SITF/15 Meeting is to continue the outstanding work of the Task Force at the last meeting. The ADS-B SITF/15 Meeting will also review the outcome of the Eleventh Meeting of South East Asia and Bay of Bengal Sub-regional ADS-B Implementation Working Group (SEA/BOB ADS-B WG/11) held in New Delhi, India from 17 to 19 November 2015. The outstanding action items for members of the Task Force are provided in the **Attachment 1** to this letter.

The SURICG/1 Meeting will review the Terms of Reference adopted by APANPIRG/26 under Decision APANPIRG 26/45 and is expected to develop working methodology for the group and a list of initial action items for the Group.

States are requested to nominate suitably qualified participant(s) with operational and technical background to participate in the Meetings.

Provisional Agenda of the ADS-B SITF/15 Meeting is provided in **Attachment 2** and Provisional Agenda for SURICG is provided in **Attachment 3**. The Meeting Bulletin containing information on hotel accommodation, venue of the Meeting and other useful information of interest to participant(s) is provided in **Attachment 4**.

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If the nominated participant(s) wish to make a presentation(s) and/or present paper(s) at the Meeting, these should be submitted in MS Word or Power Point format to the Secretariat as soon as possible, preferably, **before 12 April 2016**.

I shall be grateful if you would kindly confirm participation from your Administration, by returning the completed Registration Form in **Attachment 5** to this Office at [APAC@icao.int](mailto:APAC@icao.int) and cc: [PLi@icao.int](mailto:PLi@icao.int); [SSomsri@icao.int](mailto:SSomsri@icao.int) preferable **not later than 05 April 2016**.

Accept, Sir/Madam, the assurances of my highest consideration.



Arun Mishra  
Regional Director

**Enclosures:**

- Attachment 1 – Outstanding of Action Items
- Attachment 2 – Provisional Agenda for ADS-B SITF
- Attachment 3 – Provisional Agenda for SURICG
- Attachment 4 – Meeting Bulletin
- Attachment 5 – Registration Form

## LIST OF OUTSTANDING ACTION ITEMS

No.	Subject	Forum Raised	Status / Target Date	Remarks / follow-up	Action Party	Status
1.	ATS operational letter of agreements between neighboring FIRs among South China Sea States for radar-like surveillance service  (Operational agreement between Singapore and Viet Nam was signed first in Nov. 2013 and later updated in July 2014 for 30 NM separation)	SEA ADS-B WG/6	Ongoing – Reports at each meeting	Report progress at ADS-B SITF/15	China, Hong Kong China, Viet Nam and Singapore	On-going. Needs seamless agreement for the same minima for major traffic flow. SEA/BOB
2.	Harmonize process of detection bad TX for inclusion into “Blacklist”	SEA/BOB ADS-B WG/8	ADS-B SITF/15	Review and update on the monitoring mechanism	Singapore & Hong Kong China, RSO	On-going Requirement for monitoring (Items) identified
3.	Update “harmonization Framework Document” for BOB	SEA/BOB ADS-B WG/8	ADS-B SITF/15	Report progress – on going	India, Myanmar	On-going  SEA/BOB
4.	Explore possibility for installation of an ADS-B ground station on the Nicobar Islands to cover eastern gateway of BOB Sub-region  (seeking alternate location nearby)	SEA/BOB ADS-B WG/8	ADS-B SITF/14  SEA/BOB ADS-B WG/11	Report result of study	India	<b>Completed</b>  SEA/BOB ADS- B WG/11
5.	In MEL not included the effect of GNSS failure on ADS-B output which should be included.	SEA/BOB WG/9	ADS-B SITF/15 (confirmation)	Contact Boeing and Airbus through operators	IATA and Hong Kong China	Initial result based on contact with AIRBUS & BOEING subject to confirmation
6.	Develop and implement regional collaboration project for ADS-B out operational use including data sharing in Bay of Bengal area and report on implementation progress.  Status reported at WG/10		May 2015	Develop and implement sub-regional ADS-B collaboration project.	Bay of Bengal States	Detailed needs to be finalized  SEA/BOB

**LIST OF OUTSTANDING ACTION ITMES**

<b>No.</b>	<b>Subject</b>	<b>Forum Raised</b>	<b>Status / Target Date</b>	<b>Remarks / follow-up</b>	<b>Action Party</b>	<b>Status</b>
7.	States to advise when their ground stations can be upgraded to receive ADS-B DO260B compliant ADS-B data. A survey was conducted during ADS-B SITF/13 (Appendix E). On-going bases	SEA/BOB WG/9	On-going ADS-B SITF/15	Further updates the Table and report to ADS-B SITF		On-going Table updated by ADS-B SITF/14 and to be maintained by Task Force
8.	General ADS-B Avionics Problem Reporting Database (APRD) (being implemented)	SEA/BOB WG/9	ADS-B SITF/15		Hong Kong China and RSO	On-going Progressed at ADS-B SITF14
9.	Develop and implement regional collaboration project for ADS-B out operational use including data sharing in South Pacific and report on implementation progress.	Previous meeting of ADS-B SITF and ADS-B SITF/13	ADS-B SITF/15	ADS-B SITF/15	South Pacific States On-going	On-going Initial stage Report by Ad Hoc WG at ADS-B SITF14
10.	Study application of ADS-B and mutilate for precision runway monitoring.	Previous meeting of ADS-B SITF and ADS-B	ADS-B SITF/15	Guidance material for implementation	All Members On-going	On-going Task Force or alternate body
11.	Perform data collection and data analysis of ADS-B messages to examine GPS performance in different geographic areas.	Previous meeting of ADS-B SITF and ADS-B	ADS-B SITF/15	Report of data collected and analyzed - continuous	All Members On-going	On-going
12.	TOR - ADS-B IN	Revised TOR	APANPIRG/23	Monitoring development	ALL Members	On-going
13.	SSR Modes S DAPS	Emerging issue	ADS-B SITF/14 IP/7 IP/16	To be addressed	ADS-B SITF or alternate body	Initial
14.	SSR II code coordination	Emerging issue	ADS-B SITF/15	To be addressed	ADS-B SITF or alternate body	Initial
15.	ICAO Aircraft address managment	Emerging issue	ADS-B SITF/15	To be addressed	ADS-B SITF or alternate body	Initial

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International Civil Aviation Organization

**FIFTEENH MEETING OF THE ADS-B STUDY AND IMPLEMENTATION  
TASK FORCE (ADS-B SITF/15)**

Bangkok, Thailand, 18 - 20 April 2016

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**PROVISIONAL AGENDA**

- Agenda Item 1: Adoption of agenda
- Agenda Item 2: Review the outcome of APANPIRG/26 on ADS-B SITF/14 and the Report of SEA/BOB ADS- B WG/11 Meetings
- Agenda Item 3: Review Subject/Tasks List
- Agenda Item 4: Review States' activities and interregional issues on implementation of ADS-B and multilateralism
- Agenda Item 5: Asia/Pacific Regional ADS-B planning and implementation information in the e-ANP
- Agenda Item 6: Review TOR of ADS-B SITF and works accomplished by the Task Force
- Agenda Item 7: Identify outstanding issues for consideration by SURICG and/or SEA/BOB ADS-B Working Group including but not limited to following items:
- ASBUs relating to ADS-B IN
  - Implementation of Space Based ADS-B
  - ASBU B0-NET using ADS-B
  - Use of lower cost, lower performance ADS-B systems (TSO199)
  - Use of Mode S DAPS in Asia Pacific region
  - Use of Mode C transponder veils in Asia Pacific region
  - Use of electronic scan primary radars in Asia Pacific region
  - Use of Flight ID data from mode S interrogation and ADS-B
  - Mode S problem reporting in Asia Pacific region
  - Mode S analysis tools used in Asia Pacific region
  - ADS-B test equipment used in Asia Pacific region
- Agenda Item 8: Implementation of ADS-B Avionics Problem Reporting Database (APRD)
- Agenda Item 9: Any other business
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International Civil Aviation Organization

**FIRST MEETING OF THE SURVEILLANCE IMPLEMENTATION  
COORDINATION GROUP (SURICG/1)**

Bangkok, Thailand, 21 - 22 April 2016

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**PROVISIONAL AGENDA**

- Agenda Item 1: Election of Chairperson
- Agenda Item 2: Adoption of Agenda
- Agenda Item 3: Review of outcomes of relevant meetings
- Agenda Item 4: Review the TOR of SURICG
- Agenda Item 5: Review the revised Surveillance Strategy for the Asia/Pacific Region
- Agenda Item 6: Review of regional requirements for Surveillance in the eANP, Seamless ATM Plan and ASBU
- Agenda Item 7: Develop working methods and initial list of Action Items
- Agenda Item 10: Next Meetings
- Agenda Item 11: Any other business

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*International Civil Aviation Organization*

**FIFTEENH MEETING OF THE ADS-B STUDY AND  
IMPLEMENTATION TASK FORCE (ADS-B SITF/15) AND FIRST  
MEETING OF THE SURVEILLANCE IMPLEMENTATION  
COORDINATION GROUP (SURICG/1)**

Bangkok, Thailand, 18 - 22 April 2016

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**MEETING BULLETIN**

**1. Schedule of Meeting**

1.1 The opening session of the meeting will be held at 0900 hours on **Monday, 18 April 2016** at the Conference Building of the ICAO Regional Office, Bangkok.

1.2 The daily order of business will be announced on the first day of the meeting.

**2. Registration of participants**

2.1 Participants are requested to register at the Registration Desk in the front of the ICAO Conference Room between 0830 and 0900 hours on the opening day of the Meeting. Participants are also requested to wear the identification badge all the time inside the ICAO premises.

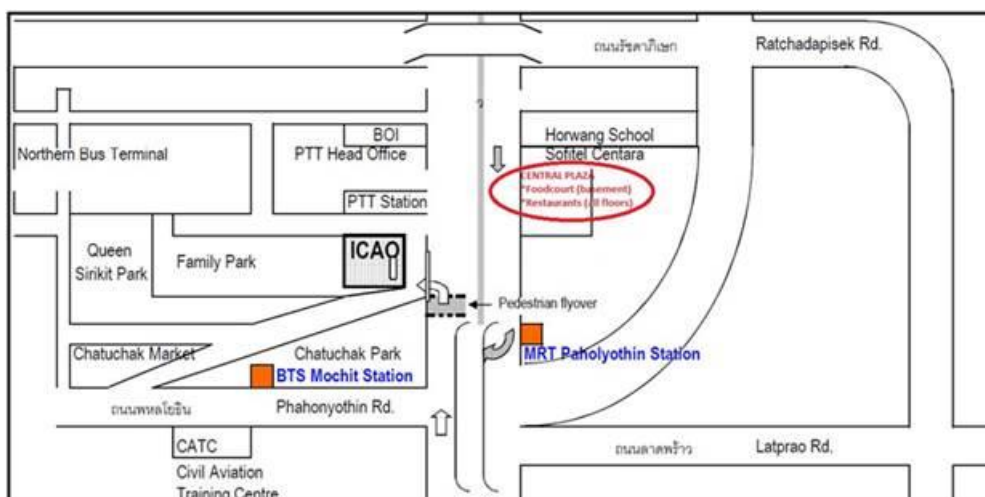
**3. Officers and Secretariat concerned with the Meeting**

3.1 Mr. Li Peng, Regional Officer MET of the ICAO Asia and Pacific Office will act as Secretary of the Meeting. His contact address is as follows:

Mr. Li Peng, Regional Officer MET  
Tel: +66 (2) 537-8189 to 97 Ext. 158  
Fax: +66 (2) 537-8199  
E-mail: [PLi@icao.int](mailto:PLi@icao.int)

3.2 The daily Meeting service is the responsibility of Ms. Kirimoke B. Drollett, Administrative Officer, ICAO Asia and Pacific Office. Ms. Sriprae Somsri, Programme Assistant, will provide secretarial support.

3.3 Please be informed that participants are required to make arrangement their own lunch as lunch will not be provided during the Meeting. Participants will find below in red the possible venue available to purchase meals within the Office vicinity.



#### 4. Meeting documents for distribution

4.1 All working/information papers for the meeting will be posted on the ICAO APAC web site. It is strongly recommend that papers to the meeting should be submitted no later than two weeks prior to the meeting date, in any case, **not later than 12 April 2016**. Participants are requested to submit papers via following e-mail addresses and download and bring all meeting papers with them. No hard copy of papers will be distributed.

E-mail address for meeting documents: [APAC@icao.int](mailto:APAC@icao.int) cc: [PLi@icoa.int](mailto:PLi@icoa.int)

4.2 Any ICAO publications required by the participants may be obtained from the ICAO Regional Office Library located on the first floor of the Secretariat building. These publications may be purchased or borrowed for reference during the Meeting and returned to the Librarian at the end of the meeting.

#### 5. Location of the ICAO Regional Office and hotel accommodation

5.1 The ICAO Regional Office is located at 252/1 Vibhavadi Rangsit Road, Ladyao, Chatuchak, Bangkok next to the Petroleum Authority of Thailand (PTT) Headquarters and opposite the Sofitel Centara Grand Bangkok Hotel. It is about 40 km away from the Bangkok/Suvarnabhumi International Airport and about 12 km. from the Sukhumvit Road, where most of the recommended hotels are located. Location of the Regional Office and the route map of the Bangkok Mass Transit System (BTS, also known as the Skytrain) and MRTA Sub-way system (the Underground Metro) are published in the APAC website <http://www.icao.int/apac/> under the heading “**Information for Visitors**”.

5.2 The nearest BTS (Skytrain) station to the Office is Mo Chit and the nearest MRTA station to the Office is Phahon Yothin. Detailed routing instructions are provided on the web site.

5.3 Participants may contact the hotels listed directly by telephone/fax/e-mail for reservation. Due to heavy demand for hotel accommodation reservations should be made as early as possible. The Regional Office would be pleased to assist participants in making hotel reservation, if required. **When making reservation, participants should mention that they are attending ICAO meeting to get the special room rate.**

5.4 Participants are requested to make their own arrangements for transportation from the airport to the city and from their hotels to the venue of the meeting.



5.4.1 Airport Taxi Services operate private limousine services from the airport to downtown Bangkok, at about Baht 1,000 per vehicle. Public taxi service is also available at the taxi stands at the airport. In addition to the fare indicated in the taximeter, 50 Baht surcharge is required to be paid for hiring a taxi from airport to city. The Bangkok Mass Transit Authority operates Airport Bus service to the city centre.

5.4.2 When departing, the hotel can arrange for transportation to the airport. Public taxis, which are less expensive than hotel taxis, are also available. Most taxis have a fare meter.

## **6. Passport, visa and customs**

6.1 All foreign nationals entering Thailand must possess valid passports or other valid documents for travel. Participants from certain countries are not required to obtain visas for a temporary visit not exceeding 15 days. It should, however, be noted that the temporary visas issued upon arrival at the Airport cannot be extended beyond the period of 15 days except under extraordinary circumstances. It is, therefore, suggested that all participants consider obtaining official visas from the Royal Thai Embassy or Consulate prior to their arrival in Thailand. Participants may wish to obtain information on entry requirements by accessing the web page <http://www.mfa.go.th/main/en/services/123>

6.2 International certificates of vaccination against yellow fever are required if arriving within 6 days after leaving or transiting an infected area.

6.3 There are no restrictions on import of foreign currency. However, if the amount exceeds US\$10,000 it must be declared on entry. Foreign currencies may be taken out of the country up to the amount imported and declared. (Current exchange rate US\$1 = Baht 36.00 approx).

## **7. Other Useful Information**

7.1 Time in Thailand is 7 hours ahead of Co-ordinated Universal Time (UTC+7).

7.2 International credit cards such as American Express, Diners Club, Visa, Master Card, etc. are normally accepted at major hotels and department stores.

7.3 All commercial banks exchange major foreign currencies and are open from 0830 to 1530 hours from Monday through Friday and some keep the foreign exchange counter open until 2000 hours during weekdays. Foreign exchange counters operated by various commercial banks are located at several places in the city and are also open during Saturdays and Sundays and on public holidays from 1000 to 2000 hours. To change travellers' cheques you are required to show your passport.

7.4 Weather in Bangkok is generally hot with high humidity. April is part of the hot season in Thailand, which lasts from January to April. More weather information can be obtained from the web site of the Thai Meteorological Department: <http://www.tmd.go.th/en/>

7.5 Most hotels add a 10% service charge to the room rate in addition to the government tax of 7%. Baggage boys at hotel expect at least Baht 20. At restaurants, a tip of about 10% is expected unless a service charge has been added to the bill.

7.6 Although the tap water in Bangkok is chemically treated, it is, however, recommended that participants drink only bottled water and beverages.

**INTERNATIONAL CIVIL AVIATION ORGANIZATION  
ASIA AND PACIFIC OFFICE**

**FIFTEENTH MEETING OF THE ADS-B STUDY AND IMPLEMENTATION  
TASK FORCE (ADS-B SITF/15)**

**FIRST MEETING OF THE SURVEILLANCE IMPLEMENTATION  
COORDINATION GROUP (SURICG/1)**

(Bangkok, Thailand 18 – 22 April 2016)

**REGISTRATION FORM**

To confirm attendance, please check

ADS-B SITF/15 (18 – 20 April 2016)

SURICG/1 (21 – 22 April 2016 )

1. Name in full:  
(Mr./Mrs./Miss) \_\_\_\_\_  
**(as should appear in the official listing and name tag)**
  
2. Title or Official Position: \_\_\_\_\_
  
3. State/Organization: \_\_\_\_\_
  
4. Mailing Address: \_\_\_\_\_  
\_\_\_\_\_
  
5. Telephone Number: \_\_\_\_\_  
Fax Number: \_\_\_\_\_  
E-mail: \_\_\_\_\_
  
6. Hotel in Bangkok \_\_\_\_\_

Note 1: Participants are expected to make their own hotel/visa arrangements

Note 2: Please download meeting materials from the ICAO Asia/Pacific website  
<http://www.icao.int/APAC/Meetings/> prior to the meeting

Note 3: Please return the nomination form, preferably, not **later than 05 April 2016**

Date \_\_\_\_\_ Signature: \_\_\_\_\_

After completing, please send to: ICAO Regional Office for Asia and Pacific, P.O. Box 11, Samyaek  
Ladprao, Bangkok 10901, Thailand, Fax: +66 (2) 537 8199

E-mail: [APAC@icao.int](mailto:APAC@icao.int) cc: [PLi@icao.int](mailto:PLi@icao.int); [SSomsri@icao.int](mailto:SSomsri@icao.int)