

*International Civil Aviation Organization*



ICAO

**Twenty Fifth Meeting of the Communications/  
Navigation and Surveillance Sub-group (CNS SG/25) of  
APANPIRG**

Video Tele-Conference, 18 – 22 October 2021

**Agenda Item 14:** Dates of next meeting and any other business

## CNS POINTS OF CONTACT

(Presented by the Secretariat)

### SUMMARY

This paper consolidates existing CNS Points of Contact of Member States listed at the Asia/Pacific Regional Office and requests States/Administrations to provide points of contact of CNS contingency planning and administrative support for effective and efficient coordination in CNS aspect.

## 1. INTRODUCTION

1.1 The Sixteenth Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/16, Bangkok, 22 – 26 August 2005) identified the need for a State focal point for safety-related activities as following Conclusion:

***Conclusion 16/62 – State focal point for safety-related activities***

*That, Asia/Pacific States notify to the Regional Office by the first quarter of 2006 a responsible contact officer or position to act as a focal point for safety related activities and in particular for the submission and coordination of ATS incident reports.*

1.2 ICAO APAC Regional Office recognized the need for States/Administrations to provide to the Regional Office the points of contact who would respond in a timely, effective and efficient manner in addressing CNS-related operational deficiencies notified to the Regional Office, including but not limited to: cyber-attack to CNS/ATM systems, frequency interference, duplicated II code/matching SI code used at overlapping area, contingency planning due to unexpected disaster, which required the ICAO APAC Regional Office for urgent coordination and follow-up to ensure ANS safety.

## 2. DISCUSSION

2.1 The ICAO APAC Regional Office needs to contact Air Navigation Service Providers (ANSPs) from time to time for CNS-related issues, both for urgency such as network issues, cyber security and follow-up on cyber-attacks etc. and for administrative purposes and regional coordinated planning such as AMHS ad-hoc routing, frequency allocations etc. The current practice for ICAO APAC Regional Office is to search for points of contact information from relevant meeting's delegates

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list, if they are not readily available, and the request could be relayed before getting to the right points of contact. This might cause a lack of efficiency especially when the issues are urgent.

2.2 As such, States/Administrations are requested to provide points of contact for **urgency** and for **administrative** purposes in CNS domain to ICAO APAC Regional Office as in **Appendix A** to this paper.

2.3 The points of contact for urgency could be the managers/officers/points of contact who oversee operations of CNS provisions and/or provide watch-keeping service to CNS provisions in their States/Administrations, and due to the urgency it is suggested that hotline telephone numbers and email addresses should be provided whenever available.

2.4 The points of contact for administration could be the management/officers who manage and plan CNS provisions in their States/Administration. If necessary, States/Administrations can specify points of contact for overall general administration, or in each of Communications, Navigation, Surveillance and ATM Automation Systems domain which depends on the human resource structure of the State/Administration/organization.

2.5 In addition, some of the contributory bodies of CNS SG have already consolidated their own points of contact lists for satisfying their work scope and task , including:

- a. Focal Points for Surveillance Study Group (SURSG) (**Appendix B** to this paper)
- b. Point of Contact for Frequency Affairs (**Appendix C** to this paper)
- c. National CRV Points of Contact (APAC Region) (**Appendix D** to this paper)
- d. Focal Points for AIDC Implementation (**Appendix E** to this paper)
- e. Points of Contact for ADS-B Avionics Problem Reporting Database (APRD) (**Appendix F** to this paper)
- f. Focal Points for ICAO SBAS Channel Assignment Tool (**Appendix G** to this paper)
- g. Other lists of Focal Points / Points of Contact for time-limited or scope-limited actions, e.g. Focal Points to review certain guidance materials or prepare for certain global conferences e.g. Regional Preparatory Group (RPG) for the International Telecommunications Union World Radiocommunication Conference (WRC)

2.6 If it is deemed necessary, the ICAO APAC Regional Office will issue a State Letter to States/Administrations in this regard, and the contributory bodies of CNS domain are requested to review points of contact lists regularly to ensure they are updated for effective communication and coordination.

### **3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) comment and update the CNS points of contact as in **Appendix A** to this paper to facilitate efficient coordination of CNS-related matters;
- c) provide updates to focal points list / points of contact list of contributory bodies of CNS SG as in **Appendices B to G to this paper** as appropriate;
- d) discuss any relevant matter as appropriate.

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**CNS POINTS OF CONTACT**

(Key: **ADM** – Administration; **URG** –Urgent Matters)

| CAT | STATE/ NAME OF CONTACT | TITLE/ORGANIZATION | TEL/ FAX / E-MAIL       |
|-----|------------------------|--------------------|-------------------------|
|     | <b>AFGHANISTAN</b>     |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>AUSTRALIA</b>       |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>BANGLADESH</b>      |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>BHUTAN</b>          |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |

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| CAT | STATE/ NAME OF CONTACT   | TITLE/ORGANIZATION | TEL/ FAX / E-MAIL       |
|-----|--------------------------|--------------------|-------------------------|
| URG |                          |                    | Tel:<br>Fax:<br>E-mail: |
|     |                          |                    |                         |
|     | <b>BRUNEI DARUSSALAM</b> |                    |                         |
| ADM |                          |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                          |                    | Tel:<br>Fax:<br>E-mail: |
|     |                          |                    |                         |
|     | <b>CAMBODIA</b>          |                    |                         |
| ADM |                          |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                          |                    | Tel:<br>Fax:<br>E-mail: |
|     |                          |                    |                         |
|     | <b>CHINA</b>             |                    |                         |
| ADM |                          |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                          |                    | Tel:<br>Fax:<br>E-mail: |
|     |                          |                    |                         |
|     | <b>HONG KONG, CHINA</b>  |                    |                         |
| ADM |                          |                    | Tel:<br>Fax:<br>E-mail: |

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| CAT | STATE/ NAME OF CONTACT  | TITLE/ORGANIZATION | TEL/ FAX / E-MAIL       |
|-----|-------------------------|--------------------|-------------------------|
| URG |                         |                    | Tel:<br>Fax:<br>E-mail: |
|     |                         |                    |                         |
|     | <b>MACAO, CHINA</b>     |                    |                         |
| ADM |                         |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                         |                    | Tel:<br>Fax:<br>E-mail: |
|     |                         |                    |                         |
|     | <b>FIJI</b>             |                    |                         |
| ADM |                         |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                         |                    | Tel:<br>Fax:<br>E-mail: |
|     |                         |                    |                         |
|     | <b>FRENCH POLYNESIA</b> |                    |                         |
| ADM |                         |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                         |                    | Tel:<br>Fax:<br>E-mail: |
|     |                         |                    |                         |
|     | <b>INDIA</b>            |                    |                         |
| ADM |                         |                    | Tel:<br>Fax:<br>E-mail: |

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| CAT | STATE/ NAME OF CONTACT | TITLE/ORGANIZATION | TEL/ FAX / E-MAIL       |
|-----|------------------------|--------------------|-------------------------|
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>INDONESIA</b>       |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>JAPAN</b>           |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>KIRIBATI</b>        |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>LAO PDR</b>         |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |

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| CAT | STATE/ NAME OF CONTACT                  | TITLE/ORGANIZATION | TEL/ FAX / E-MAIL       |
|-----|---|--------------------|-------------------------|
| URG |   |                    | Tel:<br>Fax:<br>E-mail: |
|     |   |                    |                         |
|     | <b>MALAYSIA</b>                         |                    |                         |
| ADM |   |                    | Tel:<br>Fax:<br>E-mail: |
| URG |   |                    | Tel:<br>Fax:<br>E-mail: |
|     |   |                    |                         |
|     | <b>MALDIVES</b>                         |                    |                         |
| ADM |   |                    | Tel:<br>Fax:<br>E-mail: |
| URG |   |                    | Tel:<br>Fax:<br>E-mail: |
|     |   |                    |                         |
|     | <b>MALSHALL ISLANDS</b>                 |                    |                         |
| ADM |   |                    | Tel:<br>Fax:<br>E-mail: |
| URG |   |                    | Tel:<br>Fax:<br>E-mail: |
|     |   |                    |                         |
|     | <b>MICRONESIA (FEDERATED STATES OF)</b> |                    |                         |

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| CAT | STATE/ NAME OF CONTACT | TITLE/ORGANIZATION | TEL/ FAX / E-MAIL       |
|-----|------------------------|--------------------|-------------------------|
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>MONGOLIA</b>        |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>MYANMAR</b>         |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>NAURU</b>           |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>NEPAL</b>           |                    |                         |

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|-----|-------------------------|--------------------|-------------------------|
| ADM |                         |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                         |                    | Tel:<br>Fax:<br>E-mail: |
|     |                         |                    |                         |
|     | <b>NEW ZEALAND</b>      |                    |                         |
| ADM |                         |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                         |                    | Tel:<br>Fax:<br>E-mail: |
|     |                         |                    |                         |
|     | <b>PAKISTAN</b>         |                    |                         |
| ADM |                         |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                         |                    | Tel:<br>Fax:<br>E-mail: |
|     |                         |                    |                         |
|     | <b>PALAU</b>            |                    |                         |
| ADM |                         |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                         |                    | Tel:<br>Fax:<br>E-mail: |
|     |                         |                    |                         |
|     | <b>PAPUA NEW GUINEA</b> |                    |                         |

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|-----|--------------------------|--------------------|-------------------------|
| ADM |                          |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                          |                    | Tel:<br>Fax:<br>E-mail: |
|     |                          |                    |                         |
|     | <b>PHILIPPINES</b>       |                    |                         |
| ADM |                          |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                          |                    | Tel:<br>Fax:<br>E-mail: |
|     |                          |                    |                         |
|     | <b>REPUBLIC OF KOREA</b> |                    |                         |
| ADM |                          |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                          |                    | Tel:<br>Fax:<br>E-mail: |
|     |                          |                    |                         |
|     | <b>SINGAPORE</b>         |                    |                         |
| ADM |                          |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                          |                    | Tel:<br>Fax:<br>E-mail: |
|     |                          |                    |                         |
|     | <b>SOLOMON ISLANDS</b>   |                    |                         |

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|-----|------------------------|--------------------|-------------------------|
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>SRI LANKA</b>       |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>THAILAND</b>        |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>TIMOR LESTE</b>     |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>TONGA</b>           |                    |                         |

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|-----|------------------------|--------------------|-------------------------|
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>TUVALU</b>          |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>USA</b>             |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>VALUATU</b>         |                    |                         |
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |
|     | <b>VIET NAM</b>        |                    |                         |

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|-----|------------------------|--------------------|-------------------------|
| ADM |                        |                    | Tel:<br>Fax:<br>E-mail: |
| URG |                        |                    | Tel:<br>Fax:<br>E-mail: |
|     |                        |                    |                         |

**Work Plan of Surveillance Study Group**

| Group                              | Task     | Description  | Start   | End                           | Task Lead(s) (TL)/<br>Contributors  |
|------------------------------------|----------|--|---------|-------------------------------|---|
| <b>Feasibility<br/>Study Stage</b> | <b>1</b> | <b>Preparation of Progress Report on the SURSG deliverables</b>  | -       | Before every<br>SURSG Meeting | Hong Kong China (TL)  |
|                                    | <b>2</b> | <b>Study, identification and recommendation of possible and practical models for surveillance data sharing in SWIM</b>   | SURSG/1 | SURSG/2                       | Hong Kong China (TL)  |
|                                    | 2-1      | Preparation of Concept of Use/Operation  | SURSG/1 | SURSG/2                       | Singapore/TL, Hong Kong<br>China, Thailand, Viet Nam                                |
|                                    | 2-2      | Study, identify and recommend on Implementation Model including the consideration of system design and collaboration model on sharing of surveillance data.                | SURSG/1 | SURSG/2                       | Hong Kong China, Republic of<br>Korea, Singapore, Thailand,<br>Viet Nam.            |
|                                    | 2-3      | Study, identify and recommend on an Infrastructure Model based on SWIM and CRV infrastructure  | SURSG/1 | SURSG/2                       | China, Hong Kong China,<br>Singapore, Thailand, Viet Nam,<br>PCCW Global as advisor |
|                                    | 2-4      | Study, identify and recommend on a Business Model including commitments by data sharing participants as well as incurred resource and cost                                 | SURSG/1 | SURSG/2                       | China, Hong Kong China,<br>Singapore, Thailand, Viet Nam                            |
|                                    | 2-5      | Study, identification and recommendation of Participation Model in consideration of commitments by data consumers and multi-lateral agreement on surveillance data sharing | SURSG/1 | SURSG/2                       | Hong Kong China, Singapore,<br>Thailand, China, Viet Nam,<br>IATA                   |
|                                    | 2-6      | Preparation of implementation roadmap and time frames with consideration of approach, types of surveillance data and information exchange model                            | SURSG/1 | SURSG/2                       | China, Hong Kong China,<br>Singapore, Thailand, Viet Nam.                           |
|                                    | 2-7      | Preparation of draft multi-lateral agreement on surveillance data sharing and data consumption   | SURSG/2 | SURICG/7                      | Hong Kong China, IATA,<br>Singapore, Thailand, Viet Nam                             |

|                                 |          |   |          |          |                     |
|---------------------------------|----------|---|----------|----------|---------------------|
| <b>Recommendation<br/>Stage</b> | <b>3</b> | <b>Report on the possible implementation of surveillance data sharing in SWIM</b>   | SURSG/2  | SURICG/7 | To be decided (TBD) |
|                                 | 3-1      | Consolidation of all the outcomes of Task 2 into a report according to the contents defined in TOR for submission to SURICG | SURSG/2  | SURICG/7 | TBD                 |
|                                 | <b>4</b> | <b>Guidance materials for the sharing and access of surveillance data</b>   | SURICG/7 | SURICG/9 | TBD                 |
|                                 | 4-1      | Preparation of the framework and 1 <sup>st</sup> draft of guidance material   | SURICG/7 | SURSG/3  | TBD                 |
|                                 | 4-2      | Further development of the working draft of guidance material for endorsement by SURICG and CNS SG                          | SURSG/3  | SURICG/9 | TBD                 |

**Focal points from Administrations/Organizations/Industry Partners**

|           | STATE/NAME               |                    | TITLE/ORGANIZATION  | E-MAIL   |
|-----------|--------------------------|--------------------|---|--|
| <b>1.</b> | <b>CHINA</b>             |                    |   |  |
|           | 1.                       | Ms. SuSu Cao       | CNS Division<br>Air Traffic Management Bureau CAAC  | <a href="mailto:caosusu_atmb@qq.com">caosusu_atmb@qq.com</a> ;               |
|           | 2.                       | Ms. Honglei Gao    | Senior Engineer<br>Air Traffic Management Bureau of CAAC  | <a href="mailto:hlgao_atmb@foxmail.com">hlgao_atmb@foxmail.com</a> ;         |
| <b>2.</b> | <b>HONG KONG, CHINA</b>  |                    |   |  |
|           | 3.                       | Mr. Vincent Wong   | Acting Chief Electronics Engineer<br>Civil Aviation Department Hong Kong, China                                   | <a href="mailto:vplwong@cad.gov.hk">vplwong@cad.gov.hk</a> ;                 |
|           | 4.                       | Mr. Michael Chu    | Acting Senior Electronics Engineer<br>Civil Aviation Department Hong Kong, China                                  | <a href="mailto:mmhchu@cad.gov.hk">mmhchu@cad.gov.hk</a> ;                   |
|           | 5.                       | Mr. Henry Chan     | Electronics Engineer<br>Civil Aviation Department Hong Kong, China  | <a href="mailto:hhlchan@cad.gov.hk">hhlchan@cad.gov.hk</a> ;                 |
| <b>3.</b> | <b>REPUBLIC OF KOREA</b> |                    |   |  |
|           | 6                        | Mr. Lee Jung       | Assistant Director of Aeronautical Information<br>Services Division<br>Inchon Air Traffic Control Regional Office | <a href="mailto:outpost@korea.kr">outpost@korea.kr</a> ;                     |
| <b>4.</b> | <b>SINGAPORE</b>         |                    |   |  |
|           | 7                        | Mr. Chua Eng Leong | Senior Engineer (Radar and ADS-B)<br>Civil Aviation Authority of Singapore  | <a href="mailto:chua_eng_leong@caas.gov.sg">chua_eng_leong@caas.gov.sg</a> ; |
| <b>5.</b> | <b>THAILAND</b>          |                    |   |  |

|           | STATE/NAME             |                               | TITLE/ORGANIZATION   | E-MAIL   |
|-----------|------------------------|-------------------------------|--|--|
|           | 8                      | Ms. Amornrat Jirattigalachote | Strategic Planning Manager (Engineering)<br>Aeronautical Radio of Thailand Ltd.<br>(AEROTHAI)                | <a href="mailto:amornrat.ji@aerothai.co.th">amornrat.ji@aerothai.co.th</a> ;       |
|           | 9                      | Mr. Pattharasit Phankrawee    | Air Traffic Engineering Manager<br>Aeronautical Radio of Thailand Ltd.<br>(AEROTHAI)                         | <a href="mailto:pattharasit.ph@aerothai.co.th">pattharasit.ph@aerothai.co.th</a> ; |
| <b>6.</b> | <b>VIET NAM</b>        |                               |  |  |
|           | 10                     | Mr. Cuong Nguyen Viet         | Leader of CNS Group - CNS Department-Viet<br>Nam Air Traffic Management Corporation<br>(VATM).               | <a href="mailto:Cuongnv_bkt@vatm.vn">Cuongnv_bkt@vatm.vn</a>                       |
| <b>7.</b> | <b>IATA (6)</b>        |                               |  |  |
|           | 11                     | Mr. John Moore                | Assistant Director- Safety and Flight Operations-<br>ASPAC<br>International Air Transport Association (IATA) | <a href="mailto:moorej@iata.org">moorej@iata.org</a> ;                             |
| <b>8.</b> | <b>PCCW Global (4)</b> |                               |  |  |
|           | 12                     | Mr. Benny Cheng               | Assistant Vice President<br>PCCW Global  | <a href="mailto:benny.hf.cheng@pccw.com">benny.hf.cheng@pccw.com</a> ;             |
|           | 13                     | Mr. Bono Ng                   | Business Development Manager<br>PCCW Global  | <a href="mailto:bcng@pccwglobal.com">bcng@pccwglobal.com</a> ;                     |

**ICAO APAC POINT OF CONTACT ON FREQUENCY AFFAIRS**

|           | STATE/NAME       |   | TITLE/ORGANIZATION  | TEL/FAX/E-MAIL  |
|-----------|------------------|---|---|---|
| <b>1.</b> | <b>AUSTRALIA</b> |   |   |   |
|           | 1.               | Mr. Matthew Kelly<br>(Primary contact)<br>(updated on 29/04/21)   | Senior Engineering Specialist<br>Airservices Australia<br>Locked Bag 747<br>Eagle Farm QLD 4009<br><b><u>AUSTRALIA</u></b>                                    | Tel: +61 7 3866 3542<br>Email:<br><a href="mailto:matthew.kelly@airservicesaustralia.com">matthew.kelly@airservicesaustralia.com</a>                |
|           | 2.               | Mr. Spencer Robinson  | Engineering Specialist – Communications (Frequency Assigner)<br>Airservices Australia<br>Locked Bag 747, Eagle Farm<br>QLD 4009<br><b><u>AUSTRALIA</u></b>    | Tel: +61 417 978 963<br>Fax:<br>E-mail:<br><a href="mailto:spencer.robinson@airservicesaustralia.com">spencer.robinson@airservicesaustralia.com</a> |
| <b>2.</b> | <b>CAMBODIA</b>  |   |   |   |
|           | 3.               | Ms. Heng Sovannrath<br>(Main focal point)<br>Update: 03 June 2021 | Deputy Chief of CNS Bureau<br>State Secretariat of Civil Aviation<br># Phnom Penh International Airport<br>Russian Federation Blvd.<br><b><u>CAMBODIA</u></b> | Tel: +85578 961 616<br>E-mail: <a href="mailto:sovannrathheng@gmail.com">sovannrathheng@gmail.com</a>   |
|           | 4.               | Mr. Neang To<br>(Associate focal point)<br>Update: 03 June 2021   | Chief of CNS Bureau<br>State Secretariat of Civil Aviation<br># Phnom Penh International Airport<br>Russian Federation Blvd.<br><b><u>CAMBODIA</u></b>        | Tel: +855 12 820 811<br>E-mail: <a href="mailto:neangto.ans@gmail.com">neangto.ans@gmail.com</a>  |

CNS SG/25  
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|           | STATE/NAME              |  | TITLE/ORGANIZATION   | TEL/FAX/E-MAIL   |
|-----------|-------------------------|--|--|--|
|           | 5.                      | Mr. Heng Mengkong<br>(Associate focal point)<br>Update: 03 June 2021 | Deputy Chief of CNS<br>State Secretariat of Civil Aviation<br># Phnom Penh International Airport<br>Russian Federation Blvd.<br><b><u>CAMBODIA</u></b>   | Tel: +855 16 398 599<br>E-mail: <a href="mailto:hengmengkong@gmail.com">hengmengkong@gmail.com</a>                           |
| <b>3.</b> | <b>CHINA</b>            |  |  |  |
|           | 6.                      | Mr. Zhang Jia  | Deputy Assistant Division Chief<br>Office of Radio Management Committee<br>Civil Aviation Administration of China (CAAC)<br>No. 155, Dongsi, Xidajie, Beijing 100710<br><b><u>CHINA (PEOPLE'S REPUBLIC OF)</u></b>   | Tel: +86 (10) 6409 2664<br>Fax: +86 (10) 6409 2644<br>E-mail: <a href="mailto:zhangjia@caac.gov.cn">zhangjia@caac.gov.cn</a> |
|           | 7.                      | Ms. Liu Rui  | Engineer<br>Aviation Data Communication Corp.<br>Floor 16, Bai Yan Building<br>No. 238, Bei Si Huan Road, Haidian District<br>Beijing 100191<br><b><u>CHINA (PEOPLE'S REPUBLIC OF)</u></b>   | Tel: +86 (10) 6409 2684<br>Fax: +86 (10) 6409 2644<br>E-mail: <a href="mailto:liur@adcc.com.cn">liur@adcc.com.cn</a>         |
|           | 8.                      | Mr. Wang Kanlin  | Director<br>Division of Compilation and Translation<br>International Cooperation and Service Center, CAAC<br>51211, Building D Galaxy SOHO, No.2 Nanzhugan<br>Hutong, Chaoyangmen Inner Street, Dongcheng District<br>Beijing 100010<br><b><u>CHINA (PEOPLE'S REPUBLIC OF)</u></b> | Tel: +86 (10)5829 7391<br>Fax: +86 (10)5829 7394<br>E-mail: <a href="mailto:loplod@sina.com">loplod@sina.com</a>             |
| <b>4.</b> | <b>HONG KONG, CHINA</b> |  |  |  |

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| STATE/NAME |                                    | TITLE/ORGANIZATION   | TEL/FAX/E-MAIL  |
|------------|------------------------------------|--|---|
| 9.         | Mr. Ho Chi Yun, Joseph             | Senior Electronics Engineer<br>Civil Aviation Department Hong Kong China<br>1 Tung Fai Road<br>Hong Kong International Airport, Lantau<br><b><u>HONG KONG, CHINA</u></b> | Tel: +852 2910 6555<br>Fax: +852 2845 7160<br>E-mail: <a href="mailto:jcyho@cad.gov.hk">jcyho@cad.gov.hk</a>  |
| 10.        | Mr. Lau Kin Hei, Arthur            | Electronics Engineer<br>Civil Aviation Department Hong Kong China<br>1 Tung Fai Road<br>Hong Kong International Airport, Lantau<br><b><u>HONG KONG, CHINA</u></b>        | Tel: +852 2910 6519<br>Fax: +852 2845 7160<br>E-mail: <a href="mailto:akhlau@cad.gov.hk">akhlau@cad.gov.hk</a>  |
| 11.        | Mr. Yan Ching Wah, Jarvis          | Assistant Project Manager<br>Civil Aviation Department Hong Kong China<br>1 Tung Fai Road<br>Hong Kong International Airport, Lantau<br><b><u>HONG KONG, CHINA</u></b>   | Tel: +852 2910 6571<br>Fax: +852 2845 7160<br>E-mail: <a href="mailto:jcwyang@cad.gov.hk">jcwyang@cad.gov.hk</a>  |
| <b>5.</b>  | <b>FIJI</b>                        |  |   |
| 12.        | Ms. Sereima Bolanavatu             | Air Navigation Services Inspector (CNS)<br>Civil Aviation Authority of Fiji<br>Private Mail Bag NAP0354<br>Nadi Airport<br><b><u>FIJI</u></b>                            | Tel: +679 8923155<br>Mob: +679 9995217<br>Email: <a href="mailto:sereima.bolanavatu@caaf.org.fj">sereima.bolanavatu@caaf.org.fj</a>   |
| <b>6.</b>  | <b>INDIA</b>                       |  |   |
| 13.        | Mr. Ajay Kumar Kapur<br>(Main POC) | General Manager (CNS-Com)<br>Airport Authority of India<br>New Delhi - 110003<br><b><u>INDIA</u></b>   | Mob.: +91 85279 03456<br>Land Line/ Fax: +91 (11) 2462 0287<br>E-mail: <a href="mailto:gmcnscom@aai.aero">gmcnscom@aai.aero</a><br><a href="mailto:akkapur@aai.aero">akkapur@aai.aero</a> |

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|           | STATE/NAME       |   | TITLE/ORGANIZATION  | TEL/FAX/E-MAIL  |
|-----------|------------------|---|---|---|
|           | 14.              | Mr. Arvind Singh Yadav<br>(Main POC)                          | Jt. General Manager (CNS)<br>Airport Authority of India<br>New Delhi – 110003<br><b><u>INDIA</u></b>                                    | Mob.: +91 95991 86558<br>E-mail: <a href="mailto:asyadav@aai.aero">asyadav@aai.aero</a> ;   |
|           | 15.              | Mr. Rahul Chaudhary<br>(Associate POC)                        | Asst. General Manager (CNS)<br>Airport Authority of India<br>New Delhi – 110003<br><b><u>INDIA</u></b>                                  | Mob.: +91 98182 62461<br>E-mail: <a href="mailto:afsmcnschq@aai.aero">afsmcnschq@aai.aero</a>   |
|           | 16.              | Mr. Umesh Kumar<br>(Associate POC)                            | Asst. General Manager (CNS)<br>Airport Authority of India<br>New Delhi – 110003<br><b><u>INDIA</u></b>                                  | Mob.: +91 99103 57799<br>E-mail: <a href="mailto:afsmcnschq@aai.aero">afsmcnschq@aai.aero</a>   |
| <b>7.</b> | <b>INDONESIA</b> |   |   |   |
|           | 17.              | Mr. Abdul Aziz<br>(Main focal point)<br>Update: 31/05/21      | Inspector of Air Navigation<br>Directorate General of Civil Aviation<br>Medan Merdeka Barat No. 8<br>Jakarta<br><b><u>INDONESIA</u></b> | Tel: +62 (21) 350 5006<br>Fax: +62 (21) 350 7569<br>Mobile: +62 821 1322 2432<br>E-mail: <a href="mailto:azizsabdul@gmail.com">azizsabdul@gmail.com</a> ;   |
|           | 18.              | Mr. Bimantoro<br>(Associate focal point)<br>Update: 31/05/21) | Inspector of Air Navigation<br>Directorate General Civil Aviation<br>Medan Merdeka Barat No. 8<br>Jakarta<br><b><u>INDONESIA</u></b>    | Tel: +62 (21) 350 5006<br>Fax: +62 (21) 350 7569<br>Mobile: +62 859 4506 3999<br>E-mail: <a href="mailto:bimantoro@dephub.go.id">bimantoro@dephub.go.id</a><br><a href="mailto:bimzink@gmail.com">bimzink@gmail.com</a> |
| <b>8.</b> | <b>JAPAN</b>     |   |   |   |

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|            | STATE/NAME      |  | TITLE/ORGANIZATION  | TEL/FAX/E-MAIL  |
|------------|-----------------|--|---|---|
|            | 19.             | Mr. Go Chiba   | Special Assistant to the Director of CNS Planning Office<br>Japan Civil Aviation Bureau, MLIT<br>2-1-3 Kasumigaseki, Chiyoda-ku<br><b><u>JAPAN</u></b>        | Tel: +81 (3) 5253 8111<br>Fax:<br>E-mail: <a href="mailto:chiba-g10W2@mlit.go.jp">chiba-g10W2@mlit.go.jp</a>  |
|            | 20.             | Mr. Kazuya Kawamura  | Special Assistant to the Director of CNS Planning Office<br>Japan Civil Aviation Bureau, MLIT<br>2-1-3 Kasumigaseki, Chiyoda-ku<br><b><u>JAPAN</u></b>        | Tel: +81 (3) 5253 8111<br>Fax:<br>E-mail: <a href="mailto:kawamura-k2v8@mlit.go.jp">kawamura-k2v8@mlit.go.jp</a>  |
| <b>9.</b>  | <b>LAO PDR</b>  |  |   |   |
|            | 21.             | Mr. Xayylath Vonglatsamy<br>(Main focal point)<br>Update: 1 June 2021            | Air Navigation Standards Division Officer<br>Department of Civil Aviation<br>Wattay International Airport, P.O. Box 119<br>Vientiane<br><b><u>LAO PDR</u></b> | Tel: +856 (21) 513 163<br>Mobile: +856 20 2883 3666<br>Fax: +856 (21) 513 177<br>E-mail: <a href="mailto:xayyalath@dcal.gov.la">xayyalath@dcal.gov.la</a> ; |
|            | 22.             | Mr. Moukphamay<br>Thammvongsa<br>(Associate focal point)<br>Update: 01 June 2021 | Aeronautical Radios Engineer<br>Department of Civil Aviation<br>Wattay International Airport, P.O. Box 119<br>Vientiane<br><b><u>LAO PDR</u></b>              | Tel: +856 (21) 512 006<br>Mobile: +856 (20) 2919 5091<br>Fax: +856 (21) 512 216<br>E-mail: <a href="mailto:moukth@msn.com">moukth@msn.com</a> ;             |
| <b>10.</b> | <b>PAKISTAN</b> |  |   |   |
|            | 23.             | Mr. Syed Muneer Mahmood<br>(Main focal point)<br>Updated: 21/05/21               | Senior Joint Director<br>Headquarters Pakistan Civil Aviation Authority<br>Terminal-1 JIAP Karachi<br>Pakistan Post Code 75200                                | Tel: +92 (21) 9907 2676<br>Fax: +92 (21) 9924 2671<br>Email:<br><a href="mailto:Muneer.Mehmood@caapakistan.com.pk">Muneer.Mehmood@caapakistan.com.pk</a>    |

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|            | STATE/NAME         |   | TITLE/ORGANIZATION  | TEL/FAX/E-MAIL  |
|------------|--------------------|---|---|---|
|            | 24.                | Mr. Mazhar Ali<br>(Associate focal point)   | Senior Joint Director<br>Headquarters Pakistan Civil Aviation Authority<br>Terminal-1 JIAP Karachi<br>Pakistan Post Code 75200  | Tel: +92 (21) 9907 2215<br>Fax: +92 (21) 9924 2187<br>E-mail:<br><a href="mailto:mazhar.ali@caapakistan.com.pk">mazhar.ali@caapakistan.com.pk</a>   |
|            | 25.                | Ms. Engr Kaniz Fatima<br>(Associate focal point)  | Senior Assistant Director<br>Headquarters Pakistan Civil Aviation Authority<br>Terminal-1 JIAP Karachi<br>Pakistan Post Code 75200  | Tel: +92 (21) 9907 2213<br>Fax: +92 (21) 9924 2206<br>Email: <a href="mailto:kaniz.fatima@caapakistan.com.pk">kaniz.fatima@caapakistan.com.pk</a>   |
| <b>11.</b> | <b>PHILIPPINES</b> |   |   |   |
|            | 26.                | Mr. Charlemagne P. Gilo<br><a href="#">Main focal point</a><br><a href="#">FF version 2020-4</a><br>(Updated: 18/05/21) | Division Chief III<br>Air Traffic Services<br>Civil Aviation Authority of the Philippines<br>MIA Road, Pasay City<br>Manila 1300<br><b>PHILIPPINES</b>                        | Tel: +63 (2) 7944 2216<br>Fax: +63 917 813 6075<br>E-mail: <a href="mailto:ats_atd@caap.gov.ph">ats_atd@caap.gov.ph</a> ;<br><a href="mailto:charlemagne.gilo@gmail.com">charlemagne.gilo@gmail.com</a> ; |
|            | 27.                | Ms. Amneris G. Gabriel<br><a href="#">Update: 18/05/21</a><br><a href="#">Associate focal point</a>                     | Department Manager III<br>Air Traffic Services<br>Civil Aviation Authority of the Philippines<br>MIA Road, Pasay City<br>Manila 1300<br><b>PHILIPPINES</b>                    | Tel: +63 (2) 7944 2268<br>Fax:<br>E-mail: <a href="mailto:vannieggabriel@gmail.com">vannieggabriel@gmail.com</a><br><a href="mailto:aicd@caap.gov.ph">aicd@caap.gov.ph</a>                                |
|            | 28.                | Mr. Joe Marie Anthony E. Eligio<br><a href="#">Update: 18/05/21</a><br><a href="#">Associate focal point</a>            | Head ATS Procurement Training<br>Air Traffic Management Officer V<br>Civil Aviation Authority of the Philippines<br>MIA Road, Pasay City<br>Manila 1300<br><b>PHILIPPINES</b> | Tel:<br>Fax:<br>E-mail:<br><a href="mailto:joemarie_eligio_atzcaap@yahoo.com.ph">joemarie_eligio_atzcaap@yahoo.com.ph</a>   |

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|            | STATE/NAME               |   | TITLE/ORGANIZATION   | TEL/FAX/E-MAIL   |
|------------|--------------------------|---|--|--|
|            | 29.                      | Mr. Josue Sugui<br>Update: 18/05/21<br>Alternate/Associate focal point  | Division Chief III<br>Air Navigation Services<br>Civil Aviation Authority of the Philippines<br>MIA Road, Pasay City<br>Manila 1300<br><b><u>PHILIPPINES</u></b>                               | Tel:<br>Fax:<br>E-mail: <a href="mailto:josuesugui@yahoo.com">josuesugui@yahoo.com</a> ;                                 |
| <b>12.</b> | <b>REPUBLIC OF KOREA</b> |   |  |  |
|            | 30.                      | Ms. Jeong Mi Jin<br>(Main focal point)<br>Update: 04 June 2021          | Assistant Director<br>Ministry of Land, Infrastructure and Transport( MOLIT)<br>#11, Doum-ro 6, Sejong City 30103,<br><b><u>REPUBLIC OF KOREA</u></b>  | Tel : +82 (10) 5564 0740<br>Fax : +82 (44) 201 5637<br>E-mail : <a href="mailto:mj.jeong@korea.kr">mj.jeong@korea.kr</a> |
|            | 31.                      | Mr. Lee Kyung Won<br>(Associate focal point)<br>Update: 04 June 2021    | Assistant Director<br>Ministry of Land, Infrastructure and Transport (MOLIT)<br>54, Gonghangjinip-ro 42beon-gil<br>Gangseo-gu, Busan<br><b><u>REPUBLIC OF KOREA</u></b>                        | Tel : +82(51) 974 2182<br>Fax : +82(51) 974 2188<br>E-mail : <a href="mailto:junag333@korea.kr">junag333@korea.kr</a>    |
|            | 32.                      | Mr. Choi Jeoung Mook<br>(Associate focal point)<br>Update: 04 June 2021 | Assistant Director<br>Ministry of Land, Infrastructure and Transport (MOLIT)<br>Gonghang-ro 2, Jeju Si<br>Jeju Special Self-governing Province<br><b><u>REPUBLIC OF KOREA</u></b>              | Tel : +82 (64) 797 1784<br>Fax : +82 (64) 797 1799<br>E-mail : <a href="mailto:mkke@korea.kr">mkke@korea.kr</a>          |
| <b>13.</b> | <b>SINGAPORE</b>         |   |  |  |
|            | 33.                      | Mr. Lin Hongyi Lionel<br>(Main focal point)<br>Update: 28/05/21         | Senior Engineer<br>Aeronautical Telecommunications & Engineering<br>Division<br>Civil Aviation Authority of Singapore<br>Singapore Changi Airport, P.O Box 1<br><b><u>SINGAPORE</u></b> 918141 | Tel: + 65 6541 2409<br>Fax: +65 6542 2447<br>Email: <a href="mailto:lionel_lin@caas.gov.sg">lionel_lin@caas.gov.sg</a>   |

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|            | STATE/NAME       |  | TITLE/ORGANIZATION   | TEL/FAX/E-MAIL  |
|------------|------------------|--|--|---|
|            | 34.              | Mr. Chew Keng Boon<br>(Associate focal point)<br>Update: 28/05/21      | Principal Engineer<br>Aeronautical Telecommunications & Engineering<br>Division Civil Aviation Authority of Singapore<br>Singapore Changi Airport, P.O Box 1<br>SINGAPORE 918141 | Tel: +65 6422 7005<br>Fax: +65 6542 2447<br>Email: <a href="mailto:chew_keng_boon@caas.gov.sg">chew_keng_boon@caas.gov.sg</a> |
| <b>14.</b> | <b>SRI LANKA</b> |  |  |   |
|            | 35.              | Mr. Vidura Thammitage  | Senior Electronics Manager<br>Airport & Aviation Services (Sri Lanka) Ltd.<br>Colombo Airport, Ratmalana<br><b><u>SRI LANKA</u></b>  | Tel: +94 7682 42735<br>Fax: +94 (11) 263 3488<br>E-mail: <a href="mailto:vidula.eane@airport.lk">vidula.eane@airport.lk</a>   |
| <b>15.</b> | <b>THAILAND</b>  |  |  |   |
|            | 36.              | Mr. Chavalit Ithiapa<br>(primary contact)                              | ANS Officer<br>Civil Aviation Authority of Thailand<br>333/105 Lak Si Plaza, Khamphaeng Phet 6 Road<br>Talat Bang Khen, Lak Si, Bangkok 10210<br><b><u>THAILAND</u></b>          | Tel: +66 (2) 568 8831 Ext. 2510<br>Fax:<br>E-mail: <a href="mailto:chavalit.i@caat.or.th">chavalit.i@caat.or.th</a>           |
|            | 37.              | Mr. Chainan Chaisompong<br>(Associate focal point)                     | Air Traffic Engineering Manager<br>Aeronautical Radio of Thailand Ltd.<br>102 Ngamduplee, Rama IV Road<br>Tungmahamek, Bangkok 10120<br><b><u>THAILAND</u></b>                   | Tel:<br>Fax:<br>E-mail: <a href="mailto:chainan.ch@aerothai.co.th">chainan.ch@aerothai.co.th</a>                              |
|            | 38.              | Mr. Nattaporn Pornsawat<br>(Associate focal point)<br>Update: 07/05/21 | ANS Officer<br>Civil Aviation Authority of Thailand<br>333/105 Lak Si Plaza, Khamphaeng Phet 6 Road<br>Talat Bang Khen, Lak Si, Bangkok 10210<br><b><u>THAILAND</u></b>          | Tel:<br>Fax:<br>E-mail: <a href="mailto:nattaporn.p@caat.or.th">nattaporn.p@caat.or.th</a> ;                                  |
| <b>16.</b> | <b>USA</b>       |  |  |   |

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| STATE/NAME |   | TITLE/ORGANIZATION   | TEL/FAX/E-MAIL  |
|------------|---|--|---|
| 39.        | Mr. Michael Watkins<br>(Main focal point)   | Senior Air Traffic Representative, Asia Pacific<br>Federal Aviation Administration<br>Air Traffic Organization, System Operations<br>American Embassy, Singapore<br>27 Napier Rd.<br>Singapore INTL 258508 | Tel: +65 6476 9462<br>Email: <a href="mailto:michael.w.watkins@faa.gov">michael.w.watkins@faa.gov</a>                               |
| 40.        | Ms. Lorena Carvajal<br>(Associate focal point)<br><a href="#">Update: 1 June 2021</a> | Spectrum Engineer<br>Spectrum Assignments and Engineering Office<br>FAA National Headquarters<br>800 Independence Ave SW<br>Washington, DC 20591-0001  | Cell: +1 (202) 507 0598<br>Office: +1 (202) 267 7051<br>Email: <a href="mailto:Lorena.carvajal@faa.gov">Lorena.carvajal@faa.gov</a> |

**Table 1: National CRV Points of Contact**

**Asia Pacific Region:**

| State/<br>Administration | ANSP/<br>CAA   | National CRV<br>Point of Contact<br>(POC) | Job Title  | E-mail   | Telephone/FAX   | Address   |
|--------------------------|--|---|--|--|---|---|
| Afghanistan              | Director of<br>Technical<br>Services<br>Afghanistan<br>Civil Aviation<br>Authority<br>(ACAA) | Eng. Mohammad<br>Shaker Popal             | Director of CNS  | <a href="mailto:engpopal@yahoo.com">engpopal@yahoo.com</a>   | Office Tele: +93 (0)20<br>2311962<br>Mobile : +93 (0)799 601095 | Kabul international airport   |
| Australia                | Airservices<br>Australia   | Mr. Terence<br>Palmer                     | Team Leader<br>Networks  | <a href="mailto:Terence.palmer@airservicesaustralia.com">Terence.palmer@airservicesaustralia.com</a> | <a href="tel:+61(2)62684960">Tel:+61 (2) 6268 4960</a>          | Airservice Australia<br>25 Constitution Avenue<br>Canberra 2600, ACT<br>Australia |
| Bangladesh               | Dhaka Hazrat<br>Shahjalal  | Mr. S M A Gaffar<br>Fakir                 | Communication<br>Officer (ATM)<br>Civil Aviation<br>Authority of<br>Bangladesh | <a href="mailto:cocatc@caab.gov.bd">cocatc@caab.gov.bd</a>   | Tel +880 171 506 7502<br>Fax +880 (2) 890 1411                  | Headquarters, Kurmitola<br>Dhaka 1229<br>BANGLADESH                               |

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| State/<br>Administration | ANSP/<br>CAA  | National CRV<br>Point of Contact<br>(POC) | Job Title  | E-mail   | Telephone/FAX  | Address   |
|--------------------------|---|---|--|--|--|---|
| Bhutan                   | Air Navigation Services,<br>Ministry of Information & Communications<br>Department of Civil Aviation" | Mr. Pema Tashi                            | Superintendent,<br>ANS                                 | <a href="mailto:ptashi@bcaa.gov.bt">ptashi@bcaa.gov.bt</a>       | Mobile :+975 17622702<br>Office: +975 8 271347<br>(Ext.:107),<br>Fax.: +975 8 271944 | Paro Airport  |
| Brunei Darussalam        |   |   |  |  |  |   |
| Cambodia                 |   | Mr. Neang To                              | Chief of CNS<br>State Secretariat<br>of Civil Aviation | <a href="mailto:neangto.ans@gmail.com">neangto.ans@gmail.com</a> | Tel +855 (23) 224 258<br>Fax +855 (23) 224 259                                       | State Secretariat of Civil<br>Aviation<br>#44 Phnom Penh International<br>Airport<br>Russian Federation Blvd.<br>Phnom Penh<br>CAMBODIA |

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| State/<br>Administration | ANSP/<br>CAA   | National CRV<br>Point of Contact<br>(POC) | Job Title                     | E-mail   | Telephone/FAX   | Address  |
|--------------------------|--|---|-------------------------------|--|---|--|
| China                    | ATMB/CAAC  | Mr. Huang Zheng                           | Engineer                      | <a href="mailto:huangzheng@atnc.com.cn">huangzheng@atnc.com.cn</a> | <a href="tel:+8658729977">Tel:+86 58729977</a><br><a href="tel:+861067331459">Fax:+86 (10) 67331459</a> | Air Traffic Management<br>Bureau of CAAC<br>No.301 Weatern, Dongwei Rd,<br>SunHe, Chao Yang District,<br><br>Beijing, China                              |
| Hong Kong,<br>China      | Civil Aviation<br>Department,<br>Hong Kong,<br>China | Mr. MH Hui                                | Chief Electronics<br>Engineer | <a href="mailto:mhhui@cad.gov.hk">mhhui@cad.gov.hk</a>             | <a href="tel:+85229106505">Tel:+852 2910 6505</a><br><a href="tel:+85228457160">Fax:+852 2845 7160</a>  | Civil Aviation Department<br>Headquarters<br>1 Tung Fai Road<br>Hong Kong International<br>Airport, Lantau<br>HONG KONG, CHINA                           |
| China, Macau             | ADA-<br>Administration<br>of Airports                | Mr. Samson Pun                            | Safety Officer                | <a href="mailto:samsonpun@aacm.gov.mo">samsonpun@aacm.gov.mo</a>   | <a href="tel:+85387964150">Tel:+853 8796 4150</a><br><a href="tel:+85328338089">Fax:+853 2833 8089</a>  | Civil Aviation Authority of<br>Macao, China<br>Alameda Dr. Carlos D'<br>Assumpcao<br>336-342, Centro Comercial<br>Cheng Feng<br>18 andar<br>MACAO, CHINA |

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| State/<br>Administration  | ANSP/<br>CAA                                   | National CRV<br>Point of Contact<br>(POC) | Job Title   | E-mail   | Telephone/FAX  | Address  |
|---|--|---|---|--|--|--|
| Democratic<br>People's<br>Republic of<br>Korea  | General<br>Administration<br>of Civil Aviation | Mr. Ri Sung II                            | Vice Chief,<br>Communication<br>Section ATM<br>Department | <a href="mailto:gaca@silibank.net.kp">gaca@silibank.net.kp</a>   | <a href="tel:+850(2)181111">Tel:+850 (2) 181111 Ext. 8108</a><br><a href="tel:+850(2)3814410">Fax:+850 (2) 381 4410</a>                                  | General Administration of<br>Civil Aviation<br>Pyongyang International<br>Airport<br>Sunan District, Pyongyang<br>DEMOCRATIC PEOPLE'S<br>REPUBLIC OF KOREA |
| Fiji  | Airports Fiji<br>Limited                       | Mr. Kelepi Dainaki                        | Manager Air<br>Navigation<br>Engineering<br>Services      | <a href="mailto:kelepid@afl.com.fj">kelepid@afl.com.fj</a>   | <a href="tel:+6796731623">Tel:+679 673 1623</a><br><a href="tel:+6799906110">Mobile:+679 990 6110</a><br><a href="tel:+6796731123">Fax:+679 673 1123</a> | Airports Fiji Limited<br>Private Mail Bag<br>Nadi Airport<br>FIJI ISLANDS  |
| France<br>(territories of<br>French<br>Polynesia, New<br>Caledonia and<br>Wallis and<br>Futuna) | DSNA (France)                                  | Mr. Jean-Marc<br>Valentin                 | ATM Expert  | <a href="mailto:jean-marc.valentin@aviation-civile.gouv.fr">jean-<br/>marc.valentin@aviati<br/>on-civile.gouv.fr</a> | <a href="tel:+687352443">Tel:+687 352443</a><br><a href="tel:+687265206">Fax:+687 265 206</a>  | Direction Aviation Civile<br>BP H1, 98800<br>NEW CALEDONIA   |
| India   | Airports<br>Authority of<br>India              | Mr. Anurag<br>Sharma                      | General Manager<br>(COM)                                  | <a href="mailto:akkapur@aai.aero">akkapur@aai.aero</a>   | <a href="tel:+91(11)24610537">Tel:+91 (11) 2461 0537</a><br><a href="tel:+91(11)24632930">Fax:+91 (11) 2463 2930</a>                                     | Airports Authority of India<br>Rajiv Gandhi Bhawan<br>Saddurjung Airport<br>New Delhi 110003<br>INDIA  |

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| State/<br>Administration | ANSP/<br>CAA                          | National CRV<br>Point of Contact<br>(POC) | Job Title  | E-mail   | Telephone/FAX   | Address   |
|--------------------------|---------------------------------------|---|--|--|---|---|
| Indonesia                | Airnav Indonesia                      | Ms. Arief Agustama                        | Head, IT Division  | <a href="mailto:arief.agustama@airnavindonesia.co.id">arief.agustama@airnavindonesia.co.id</a> | <a href="tel:+622155915000">Tel:+62 (21) 5591 5000</a><br><a href="tel:+62811936582">Mobile:+62 811936582</a><br><a href="tel:+622155915100">Fax:+62 (21) 5591 5100</a> | Airnav Indonesia<br>Support Building<br>Jl. Ir. Juanda, Tangerang<br>INDONESIA  |
| Japan                    | JCAB                                  | Mr. Kenichi Kato                          | Chief of Flight Information 1 <sup>st</sup> Section, Operations and Flight Inspection Division | <a href="mailto:katou-k24s@mlit.go.jp">katou-k24s@mlit.go.jp</a>                               | <a href="tel:+81352538751">Tel:+81-3-5253-8751</a> <a href="tel:+81352531664">Fax:+81-3-5253-1664</a>   | 2-1-3 Kasumigaseki Chiyoda-ku Tokyo 100-8918 JAPAN  |
| Kiribati                 |                                       |   |  |  |   |   |
| Lao                      | Lao Air Traffic Management            | Mr. Lamkeo Phouxay                        | Director of Air Traffic Technical Service Center Lao Air Traffic Management                    | <a href="mailto:lamkeoattsc@hotmail.com">lamkeoattsc@hotmail.com</a>                           | Tel:+856 (20) 585 777 94<br>Fax +856 (21) 512 216   | Director of Air Traffic Technical Service Center<br>P.O. Box 2985<br>Wattay International Airport<br>Vientiane                                |
| Malaysia                 | Department Of Civil Aviation Malaysia | Mr. Sahrol Nizal Bin Ab Rashid            | Air Traffic Management Sector for Director General of Civil Aviation Malaysia                  | <a href="mailto:sahrol@dca.gov.my">sahrol@dca.gov.my</a>                                       | <a href="tel:+60388714278">Tel:+603 8871 4278</a><br><a href="tel:+60388810530">Fax:+603 8881 0530</a>  | Department of Civil Aviation<br>Malaysia<br>No.27, Persiaran Perdana<br>Level 4, Block Podium B,<br>Precinct 4<br>62618 Putrajaya<br>MALAYSIA |

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| State/<br>Administration | ANSP/<br>CAA                         | National CRV<br>Point of Contact<br>(POC)       | Job Title   | E-mail   | Telephone/FAX   | Address   |
|--------------------------|--------------------------------------|---|---|--|---|---|
| Myanmar                  | Department Of<br>Civil Aviation      | Mr. Win Maw                                     | Deputy Director   | <a href="mailto:winmawdca@gmail.com">winmawdca@gmail.com</a>   | <a href="tel:+959250183029">Tel:+95 92 5018 3029</a><br><a href="tel:+959250183029">Fax:+95 (1) 533 016</a> | Department of Civil Aviation<br>ATC Operating Building<br>Yangon International Airport<br>Yangon 11021<br>MYANMAR   |
| New Zealand              | Airways New<br>Zealand               | Mr. Vaughan<br>Hickford<br><br>Mr. Dave Pearson | Team Leader<br>Network<br>Development<br><br>Network Support<br>Team Leader | <a href="mailto:vaughan.hickford@airways.co.nz">vaughan.hickford@airways.co.nz</a>                   | <a href="tel:+6433581521">Tel:+64 (3) 358 1521</a><br><a href="tel:+6433570346">Tel:+64 (3) 357 0346</a>    | Airways New Zealand<br>26 Sir William Pickering<br>Drive<br>Russley, Christchurch,<br>Canterbury 8043<br>NEW ZEALAND  |
| Pakistan                 |                                      | Mr. M. Fasih-uz-<br>Zaman Khan                  | Senior Additional<br>Director Com-Ops                                       | <a href="mailto:Fasih-uz-Zaman.Khan@caapa.kistan.com.pk">Fasih-uz-Zaman.Khan@caapa.kistan.com.pk</a> |   | Pakistan Civil Aviation<br>Authority<br>Headquarters, Terminal-I<br>Jinnah International Airport<br>Karachi 75200<br>PAKISTAN   |
| Philippines              | Civil Aviation of<br>the Philippines | Mr. Elmer E.<br>Gomez                           | Division Chief  | <a href="mailto:elm_gomez@yahoo.com">elm_gomez@yahoo.com</a>   | <a href="tel:+6329442192">Tel:+63 (2) 944 2192</a><br><a href="tel:+6329442192">Fax:+63 (2) 879 9244</a>    | Civil Aviation Authority of the<br>Philippines<br>Air Navigation Service<br>ANS Technical Center<br>Building<br>Old Mia Road, Pasay City<br>1300<br>Metro Manila, PHILIPPINES |

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| State/<br>Administration | ANSP/<br>CAA  | National CRV<br>Point of Contact<br>(POC) | Job Title   | E-mail   | Telephone/FAX  | Address  |
|--------------------------|---|---|---|--|--|--|
| Republic of<br>Korea     | Ministry of<br>Land,<br>Infrastructure<br>and Transport | Mr. Kyung Joon,<br>Jang                   | Assistant Director                                    | <a href="mailto:skyjjan@korea.kr">skyjjan@korea.kr</a>   | <a href="tel:+82(44)2014362">Tel:+82 (44) 201 4362</a><br><a href="tel:+82(44)2015637">Fax:+82 (44) 201 5637</a>   | Ministry of Land,<br>Infrastructure and Transport<br>11, Doum-ro 6<br>Sejong Special self-governing<br>City<br>REPUBLIC OF KOREA                 |
| Singapore                | Singapore Air<br>Traffic Control<br>Centre              | Mr. Augustine Lau                         | Engineer<br>(Communications/<br>Nav aids Systems)     | <a href="mailto:augustine_lau@caas.gov.sg">augustine_lau@caas.gov.sg</a>   | <a href="tel:+6564227071">Tel:+65 6422 7071</a><br><a href="tel:+6565422447">Fax:+65 6542 2447</a>   | Civil Aviation Authority of<br>Singapore<br>Singapore Changi Airport<br>P.O. Box 1<br>SINGAPORE 918141   |
| Sri Lanka                | Airport &<br>Aviation<br>Services (Sri<br>Lanka) Ltd.   | Mr. Wipula<br>Wimanshanthi                | Head of<br>Electronics and<br>Air Nav<br>Engineering  | <a href="mailto:head.eane@airport.lk">head.eane@airport.lk</a><br><a href="mailto:wipula60@gmail.com">wipula60@gmail.com</a>                 | Mobile:+94 77 304 7653<br>Fax:94 (11) 263 3488   | Airport & Aviation Services<br>(Sri Lanka) Ltd.<br>Colombo Airport<br>Ratmalana 10370<br>SRI LANKA   |
| Thailand                 | Aeronautical<br>Radio of<br>Thailand Ltd.               | Mr. Chonlawit<br>Banphawatthanrak         | Chief, Policy and<br>Strategy<br>Management<br>Bureau | <a href="mailto:chonlawit.ba@aerothai.co.th">chonlawit.ba@aerothai.co.th</a><br><a href="mailto:chonlawit@gmail.com">chonlawit@gmail.com</a> | <a href="tel:+6622859578">Tel: +66 2285 9578</a> +66 6<br><a href="tel:+66865757901">3265 3643 +66 8 6575 7901</a><br><a href="tel:+6622859057">Fax:+66 (2) 285 9057</a> | Aeronautical Radio of<br>Thailand Ltd.<br>102 Soi Ngamduplee<br>Tungmahamek, Sathon<br>Bangkok 10120<br>THAILAND                                 |
| United States            | Federal Aviation<br>Administration<br>(FAA)             | Mr. Hoang Tran                            | International<br>Telecommunicati<br>on Lead           | <a href="mailto:hoang.tran@faa.gov">hoang.tran@faa.gov</a>   | <a href="tel:+12022677142">Tel:+1 (202) 267 7142</a>   | Federal Aviation<br>Administration<br>ATO, Programme<br>Management Organization<br>800 Independence Avenue,<br>SW<br>Washington, DC 20591<br>USA |





**LIST OF FOCAL POINT FOR AIDC IMPLEMENTATION**

| No. | States                      | Name/Title/Address  | Tel/Fax/E-mail   |
|-----|-----------------------------|---|--|
| 1.  | <b>Australia</b>            | Mr. Adam Watkin   | Tel:<br>Fax:<br>E-mail:<br><a href="mailto:Adam.Watkin@AirservicesAustralia.com">Adam.Watkin@AirservicesAustralia.com</a>  |
| 2.  | <b>Bangladesh</b>           | Mr. AKM Manzur Ahmed<br>Deputy Director (Planning)<br>Civil Aviation Authority of Bangladesh<br>Headquarters, Kurmitola<br>Dhaka 1229   | Tel: +880 (2) 890 1062<br>Mobile: +880 172 629 0536<br>E-mail:<br><a href="mailto:ahmedcaab@gmail.com">ahmedcaab@gmail.com</a><br><a href="mailto:manzur@caab.gov.bd">manzur@caab.gov.bd</a> |
|     |                             | Mr. Abdullah Al Faruk<br>Senior Aerodrome Officer<br>Alternate Focal Point  | Mobile: +880 1826 107 002<br>E-mail:<br><a href="mailto:mdfaruk3232@gmail.com">mdfaruk3232@gmail.com</a>   |
| 3.  | <b>Bhutan</b>               | Mr. Pema Tashi<br>Superintendent of ANS<br>Bhutan Civil Aviation Authority<br>Paro International Airport<br>Paro  | Tel: +975 (8) 271 347 Ext. 107<br>Mobile: +975 1 762 2702<br>Fax: +975 (8) 271 944   |
| 4.  | <b>Cambodia</b>             | Ms. Heng Sovannrath<br>Dy. Chief Bureau (CNS)<br>Air Navigation Standard and Safety<br>Department<br>44, Phnom Penh International Airport,<br>Russian Federation Blvd., Phum Ta Ngoun,<br>Sangkat Kakab, Khan Porsenchey,<br>Phnom Penh | Tel: +855 (78) 961616<br>Mobile: +855 (23) 890102; 890108<br>E-mail: <a href="mailto:sovannrathheng@gmail.com">sovannrathheng@gmail.com</a>  |
| 5.  | <b>China</b>                | Ms. Cao Susu<br>Assistant, CNS Division of Air Traffic<br>Management Bureau, CAAC<br>No.12 East Sanhuan Road<br>Chaoyang District   | Tel: +(86) 10877 86969<br>Fax: +(86) 15801 682063<br>Email: <a href="mailto:caosusu@atmb.net.cn">caosusu@atmb.net.cn</a>   |
| 6.  | <b>Hong Kong,<br/>China</b> | Mr. Michael Chu<br>Senior Electronics Engineer<br>(Technical Support)<br>Civil Aviation Department of<br>Hong Kong, China   | Tel: +852 2910 6528<br>Fax: +852 2845 7160<br>E-mail: <a href="mailto:mmhchu@cad.gov.hk">mmhchu@cad.gov.hk</a>   |
| 7.  | <b>India</b>                | Mr. Anurag Sharma<br>General Manager (CNS)<br>Airports Authority of India CHQ<br>Rajiv Gandhi Bhawan  | Tel:<br>Fax:<br>E-mail: <a href="mailto:anuragsharma@aai.aero">anuragsharma@aai.aero</a>   |
|     |                             | Mr. Shibu Roberts<br>Joint General Manager (ATM)<br>Airports Authority of India CHQ<br>Rajiv Gandhi Bhawan  | Tel:<br>Fax:<br>E-mail: <a href="mailto:srobert@aai.aero">srobert@aai.aero</a>   |

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| No. | States           | Name/Title/Address   | Tel/Fax/E-mail  |
|-----|------------------|--|---|
| 8.  | <b>Indonesia</b> | Mr. Arian Nurahman<br>Air Navigation Inspector<br>Directorate General of Civil Aviation<br>Karya Building 23rd Floor<br>Ministry of Transportation<br>Jl. Medan Merdeka Barat No. 8                              | Tel: +62 (21) 350 5550<br>Ext. 4049, 5143<br>Mobile: +62 856 95414428<br>Fax: +62 (21) 350 7569<br>E-mail: <a href="mailto:arian.nurahman@gmail.com">arian.nurahman@gmail.com</a>   |
|     |                  | Mr. Suryadi Joko Wiratmo<br>ATS System Manager<br>Airnav Indonesia<br>Support Building<br>Jl. Ir. H. Juanda<br>Tangerang 15121   | Mobile: +62 811 381 106<br>Fax: +62 (21) 5591 5100<br>E-mail: <a href="mailto:suryadi.wiratmo@airnavindonesia.co.id">suryadi.wiratmo@airnavindonesia.co.id</a>  |
| 9.  | <b>Lao PDR</b>   | Mr. Maity Sylithammavoing<br>Dy. Director of ATS Division<br>Lao Air Navigation Services<br>P.O. Box 2985<br>Wattay International Airport<br>Vientiane   | Tel: +856 (21) 512006<br>Mobile: +8562055414040<br>Fax: +856(21) 512216<br>E-mail: <a href="mailto:maitymt1975@gmail.com">maitymt1975@gmail.com</a>   |
|     |                  | Mr. Sohnsacksit Khamkeo<br>Dy. Director Air Navigation Division<br>Lao DCA.<br>Souphanouvong Rd.<br>Wattay International Airport<br>Vientiane, Lao PDR<br>P.O Box:119  | Tel: +856 21 512163<br>Fax: +856 21 520237<br>Mobile: +856 2022499936<br>+ 856 20 56959177<br>Email: <a href="mailto:sohnsacksit@dca.gov.la">sohnsacksit@dca.gov.la</a><br><a href="mailto:saykhamkeo@gmail.com">saykhamkeo@gmail.com</a> |
| 10  | <b>Malaysia</b>  | Mr. Sahrol Nizal Ab. Rashid<br>Senior Assistant Director<br>Civil Aviation Authority of Malaysia<br>Air Traffic Management Sector<br>Level 4, Podium B<br>No. 27 Persiaran Perdana<br>Precint 4, 62618 Putrajaya | Tel: +603 8871 4278<br>Fax: +603 8881 0530<br>E-mail: <a href="mailto:sahrol@dca.gov.my">sahrol@dca.gov.my</a>  |
|     |                  | Ms. Dayang Zarina Bt Abg Alli<br>Principal Assistant Director<br>Civil Aviation Authority of Malaysia<br>Air Traffic Control Centre<br>LTSAAS, Subang<br>47200 Selangor  | Tel: +60 13 864 5376<br>Fax: +603 7845 6590<br>E-mail: <a href="mailto:dygzarina@caam.gov.my">dygzarina@caam.gov.my</a>   |
| 11  | <b>Maldives</b>  | Mr. Ishag Abdulla<br>Associate General Manager<br>Maldives Airports Co., Ltd<br>Velana International Airport<br>Hulhule 22000  | Tel: +960 795 7235<br>Fax:<br>E-mail: <a href="mailto:ishag@macl.aero">ishag@macl.aero</a>  |
| 12  | <b>Mongolia</b>  | Mr. Khatanbold Jargalsaikhan<br>CNS Officer of ATM<br>Civil Aviation Authority of Mongolia   | Tel: +976 (11) 283 069<br>Mobile: +976 8802 4499<br>Fax: +976 (11) 285 021<br>E-mail: <a href="mailto:khatanbold.j@mcaa.gov.mn">khatanbold.j@mcaa.gov.mn</a>  |

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| No. | States             | Name/Title/Address  | Tel/Fax/E-mail   |
|-----|--------------------|---|--|
| 13  | <b>Myanmar</b>     | Mr. Win Maw<br>Deputy Director (CNS)<br>Department of Civil Aviation, Myanmar   | Tel: +95 (1) 533 214<br>Fax: +95 (1) 533 016<br>E-mail: <a href="mailto:winmaw.dca@gmail.com">winmaw.dca@gmail.com</a>   |
|     |                    | Mr. Aung Zaw Thein<br>Assistant General Manager (ATM)<br>Department of Civil Aviation, Myanmar  | Tel: +95 (1) 533 268<br>Fax: +95 (1) 533 016<br>E-mail: <a href="mailto:azawthein@gmail.com">azawthein@gmail.com</a>   |
| 14  | <b>Nepal</b>       | Mr. Hansha Raj Pandey<br>Director, CNS Planning & Development<br>Department<br>Head Office, Babarmahal<br>Kathmandu   | Tel: +977 (1) 424 9379<br>Fax: +977 (1) 426 2516<br>E-mail: <a href="mailto:hrp@caanepal.org.np">hrp@caanepal.org.np</a><br><a href="mailto:cnsatm@mos.com.np">cnsatm@mos.com.np</a> |
| 15  | <b>New Zealand</b> | Mr. Paul Radford<br>Oceanic Systems Manager<br>Airways New Zealand<br>P.O. Box 53093<br>Auckland Airport, Auckland 2150   | Tel: +64 (9) 257 7508<br>Mobile: +64 21 334 2150<br>E-mail: <a href="mailto:Paul.Radford@airways.co.nz">Paul.Radford@airways.co.nz</a>   |
| 16  | <b>Pakistan</b>    | Mr. Muhammad Imran<br>Sr. Joint Director (ATS) Ops. Directorate<br>HQCAA, Karachi   | Tel: +92-21-99072282<br>Mobile +92-3002278641<br>Email<br><a href="mailto:Muhhammad_imran@caapakistan.com.pk">Muhhammad_imran@caapakistan.com.pk</a>                                 |
|     |                    | Mr. Shahid Hussain<br>Sr. Joint Director (Comm.Ops)<br>IIAP Islamabad   | Tele +92-51-95550014<br>Mobile +92-3462890981<br>Email: <a href="mailto:shahid.hussain@caapakistan.com.pk">shahid.hussain@caapakistan.com.pk</a>                                     |
|     |                    | Ms. Kaniz Fatima<br>Sr. Asst. Director (CNS/ATM)<br>CNS Directorate HQCAA, Karachi  | Tele +92-21-99072213<br>Mobile +92-3456136023<br>Email <a href="mailto:kaniz.Fatima@caapakistan.com.pk">kaniz.Fatima@caapakistan.com.pk</a>  |
| 17  | <b>Philippines</b> | Ms. Anna Joy C. Papag<br>Facility-In-Charge, Manila Area<br>Control Center<br>Civil Aviation Authority of the Philippines<br>Old Mia Road, Ninoy Aquino Avenue<br>Pasay City, Metro Manila 1300       | Tel: +63 (2) 944 2222<br>E-mail: <a href="mailto:ae_jae0627@yahoo.com">ae_jae0627@yahoo.com</a>  |
|     |                    | Mr. Gilmar D Tiro<br>CNS Systems Officer IV<br>Air Navigation Service/ATM Centre<br>Civil Aviation Authority of the Philippines<br>Old Mia Road, Ninoy Aquino Avenue<br>Pasay City, Metro Manila 1300 | Tel: +63 (2) 672 7729<br>Fax:<br>E-mail: <a href="mailto:gilmar.tiro@gmail.com">gilmar.tiro@gmail.com</a>  |
| 18  | <b>Singapore</b>   | Mr. Joe Chua Wee Jui<br>Chief (Systems Planning)<br>Air Traffic Services Division<br>Civil Aviation Authority of Singapore<br>P.O. Box 1  | Tel: +65 8518 6300<br>Fax:<br>E-mail: <a href="mailto:joe_chua@caas.gov.sg">joe_chua@caas.gov.sg</a>   |

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| No. | States          | Name/Title/Address  | Tel/Fax/E-mail  |
|-----|-----------------|---|---|
| 19  | <b>Thailand</b> | Mr. Sarawoot Rungruengwajiak<br>Air Navigation Services Standards Officer<br>Civil Aviation Authority of Thailand   | Tel: +66 (2) 568 8800 Ext. 2510<br>Fax: +66 (2) 568 8847<br>Email: <a href="mailto:sarawoot.r@caat.or.th">sarawoot.r@caat.or.th</a> |
|     |                 | Mrs. Pantip Changpradit<br>Air Traffic Management Network Manager<br>Aeronautical Radio of Thailand Ltd<br>02 Ngamduplee Tungmahamek Bangkok<br>10120 Thailand                | Tel: +66 (2) 228 78932<br>Fax:<br>Email: <a href="mailto:pantip.ch@aerothai.co.th">pantip.ch@aerothai.co.th</a>                     |
| 20  | <b>USA</b>      | Mr. Braks Etta<br>Senior FAA/ATO Representative<br>Asia Pacific<br>27 Napier Road<br>Singapore 258508   | Tel: +65 6476 9170<br>Fax:<br>E-mail: <a href="mailto:braks.etta@faa.gov">braks.etta@faa.gov</a>                                    |
| 21  | <b>Viet Nam</b> | Mr. Nguyen The Hung<br>Director, Air Navigation Department<br>Viet Nam/Civil Aviation Authority of Viet<br>Nam 119, Nguyen Son street<br>Long Bien District, Ha Noi City      | Tel: +84 (24) 38 723 600<br>Fax: +84 (24) 38 274 194<br>Email: <a href="mailto:hungand@caa.gov.vn">hungand@caa.gov.vn</a>           |
|     |                 | Team Leader<br>Mr. Vu Ngoc Tuan<br>CNS Officials, Air Navigation Dept.<br>Civil Aviation Authority of Viet Nam<br>No. 199 Nguyen Son Street<br>Long Bien District, Hanoi City | Tel: +84 (24) 3872 0199<br>Email: <a href="mailto:vungoctuan@caa.gov.vn">vungoctuan@caa.gov.vn</a>                                  |

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**LIST OF POINTS OF CONTACT FOR  
REGIONAL ADS-B AVIONICS PROBLEM REPORTING DATABASE (APRD)**

Update: **10 Oct. 2017**

| No. | State/<br>Administration | Name/Title/Address   | Tel/Fax/E-mail:  |
|-----|--------------------------|--|--|
| 1.  | Australia                | Mr. Alex Milns<br>Chief Operating Authority – Surveillance<br>Airservices Australia<br>Locked Bag 747<br>Eagle Farm, QLD 4009  | Tel: +61 07 3866 3799<br>E-mail: <a href="mailto:alex.milns@airservicesaustralia.com">alex.milns@airservicesaustralia.com</a>                              |
|     |                          | Ms. Teja Sethi   | E-mail: <a href="mailto:Teja.Sethi@casa.gov.au">Teja.Sethi@casa.gov.au</a>   |
|     |                          | Mr. Simon Reynolds   | E-mail: <a href="mailto:simon.reynolds@airservicesaustralia.com">simon.reynolds@airservicesaustralia.com</a>   |
| 2.  | Brunei Darussalam        | Mr. Dk Norhoneytawati Binti Pg Tejudin<br>Acting Chief of Aeronautical<br>Telecommunication Officer<br>Air Navigation Services Provider<br>Brunei Department of Civil Aviation<br>Ministry of Communications<br>Brunei International Airport BB 2513 | Tel: +673 2330142 Ext. 1111<br>+673 233 0518<br>E-mail: <a href="mailto:norhoney.tejudin@civil-aviation.gov.bn">norhoney.tejudin@civil-aviation.gov.bn</a> |
| 3.  | Hong Kong, China         | Mr. Hui Man Ho<br>Chief Electronics Engineer<br>Air Traffic Engineering Services Division<br>Civil Aviation Department Hong Kong, China  | Tel: +852 2910 6505<br>E-mail: <a href="mailto:mhhui@cad.gov.hk">mhhui@cad.gov.hk</a>  |
|     |                          | Mr. Chu Ming Hei Michael<br>Electronics Engineer<br>Air Traffic Engineering Services Division<br>Civil Aviation Department Hong Kong, China  | Tel: +852 2910 6528<br>E-mail: <a href="mailto:mmhchu@cad.gov.hk">mmhchu@cad.gov.hk</a>  |
| 4.  | Macao, China             | Mr. Pun Sio Kuong<br>Safety Officer of Airport Infrastructure and<br>Air Navigation<br>Alameda Dr. Carlos D'Assumpcao, 336-342<br>Centro Commercial Cheng Feng 18 Andar  | Tel: +853 8796 4150<br>Fax: +853 2833 8089<br>E-mail: <a href="mailto:samsonpun@aacm.gov.mo">samsonpun@aacm.gov.mo</a>                                     |
| 5.  | Indonesia                | Mr. A. Budi Fathoni<br>DGCA Indonesia  | E-mail: <a href="mailto:bfathoni@yahoo.com">bfathoni@yahoo.com</a>   |
|     |                          | Mr. Henry Wiranto<br>DGCA Indonesia  | E-mail: <a href="mailto:henry.wiranto@yahoo.com">henry.wiranto@yahoo.com</a>   |
|     |                          | Mr. Suryadi Joko Wiratmo<br>AIRNAV Indonesia   | E-mail: <a href="mailto:suryadi.wiratmo@airnavindonesia.co.id">suryadi.wiratmo@airnavindonesia.co.id</a>   |
|     |                          | Mr. Aries Subagiyo<br>AIRNAV Indonesia   | E-mail: <a href="mailto:aries.subagiyo@gmail.com">aries.subagiyo@gmail.com</a>   |

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|-----|--------------------|--|--|
| 6.  | <b>Japan</b>       | Mr. Yasuhiro Ohtani<br>Special Assistant to the Director CNS<br>CNS Planning Office<br>ANS Engineering Division<br>ANS Department<br>Japan Civil Aviation Bureau (JCAB)<br>Ministry of Land, Infrastructure, Transport<br>and Tourism of Japan | Tel: +81 (3) 5253 8742<br>E-mail: <a href="mailto:hqt-cns_aprd@ml.mlit.go.jp">hqt-cns_aprd@ml.mlit.go.jp</a><br><a href="mailto:ohtani-y48ae@mlit.go.jp">ohtani-y48ae@mlit.go.jp</a> |
| 7.  | <b>Mongolia</b>    | Ms. Nomin Maitsetseg<br>CNS Officer of Air Navigation Policy Dept.<br>Civil Aviation Authority of Mongolia<br>17120, Ulaanbaatar   | Tel: +976-11-282040<br>E-mail: <a href="mailto:nomin.m@mcaa.gov.mn">nomin.m@mcaa.gov.mn</a>  |
| 8.  | <b>Philippines</b> | Ms. Melba S. Acurantes<br>Facility-In-Charge<br>Manila Area Control Center<br>Air Traffic Service  | Mobile: +63 917 838 5562<br>Tel: +63 (2) 944 2245<br>E-mail: <a href="mailto:ms_acurantes@yahoo.com">ms_acurantes@yahoo.com</a>  |
| 9.  | <b>Singapore</b>   | Ms. Ng Mei Chin<br>Head (Surveillance Systems)<br>Aeronautical Telecommunications &<br>Engineering Division<br>Civil Aviation Authority of Singapore<br>P.O. Box 1, Changi Airport   | Tel: +65 6541 2402<br>Fax: +65 6546 6516<br>E-mail: <a href="mailto:ng_mei_chin@caas.gov.sg">ng_mei_chin@caas.gov.sg</a>   |
|     |                    | Ms. Jolene Shui<br>Executive Engineer (Surveillance Systems)<br>Aeronautical Telecommunications &<br>Engineering Division<br>Civil Aviation Authority of Singapore<br>P.O. Box 1, Changi Airport   | Tel: +65 6422 7015<br>Fax: +65 6542 2447<br>E-mail: <a href="mailto:Jolene_shui@caas.gov.sg">Jolene_shui@caas.gov.sg</a>   |
|     |                    | Mr. Ho Wee Sin   |  |
|     |                    | Mr. Yeo Cheng Nam  |  |
| 10. | <b>USA</b>         | Mr. James Marks (Primary)<br>Team Lead, ADS-B Focus<br>Flight Standards Service, Avionics Branch<br>Federal Aviation Administration<br>950 L'Enfant Plaza SW<br>Washington, DC 20024   | Tel: +1 (202) 267 1707<br>E-mail: <a href="mailto:james.marks@faa.gov">james.marks@faa.gov</a>   |
|     |                    | Mr. Doug Arbuckle (Secondary)<br>Chief, Scientist, Surveillance & Broadcast<br>Services Programme<br>Programme Management Organization<br>Federal Aviation Organization<br>Hampton, VA 23681   | Tel: +1 (757) 846 4225<br>E-mail: <a href="mailto:doug.arbuckle@faa.gov">doug.arbuckle@faa.gov</a>   |

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|------------|-----------------|---|--|
|            |                 | Mr. Braks Etta (Primary, Singapore Office)<br>Senior Air Traffic Representative, Asia Pacific<br>Air Traffic Organization, System Operations<br>Federal Aviation Organization<br>American Embassy, Singapore<br>27 Napier Road<br>Singapore INTL 258508 | Tel: +65 6476 9170<br>E-mail: <a href="mailto:braks.etta@faa.gov">braks.etta@faa.gov</a>                                     |
| <b>11.</b> | <b>Thailand</b> | Mr. Sarawoot Rungruengwajiak<br>CNS Officer, Air Navigation Standards Dept.<br>Civil Aviation Authority of Thailand<br>333/105 Lak Si Plaza<br>Khamphaeng Phet 6 Road<br>Talat Bang Khen, Lak Si<br>Bangkok 10210                                       | Tel: +66 (2) 568 8800<br>Fax: +66 (2) 568 8847<br>E-mail: <a href="mailto:sarawoot.r@caat.or.th">sarawoot.r@caat.or.th</a>   |
|            |                 | Mr. Chanyut Phrukkumwong<br>Air Traffic Services Engineering Research and<br>Development Department<br>Aeronautical Radio of Thailand Ltd.<br>Tungmahamek, Sathorn<br>Bangkok 10110   | Tel: +66 (2) 287 8591<br>Fax: +66 (2) 287 8620<br>E-mail: <a href="mailto:chanyut@aerothai.co.th">chanyut@aerothai.co.th</a> |

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**NOMINATION OF FOCAL POINT OF ICAO SBAS CHANNEL ASSIGNMENT TOOL**

| <b>No.</b> | <b>State</b> | <b>Name/Title</b>  | <b>Address</b>   | <b>Tel/Fax/Email</b>  |
|------------|--------------|--|--|---|
| 1          | Cambodia     | Mrs. Heng Sovannrath<br>Deputy Chief of CNS Bureau of Air<br>Navigation Standards and Safety<br>Department | State Secretariat of Civil<br>Aviation, #44, Phnom Penh<br>International Airport, Russian<br>Federation Blvd.,<br>Phnom Penh | E-mail:<br><a href="mailto:sovanrathheng@gmail.com">sovanrathheng@gmail.com</a> |
|            |              |  |  |   |