



# ICAO

*International Civil Aviation Organization*

**THE FIFTEENTH MEETING OF THE COMMON  
AERONAUTICAL VIRTUAL PRIVATE  
NETWORK OPERATIONS GROUP (CRV OG/15)**

*Mumbai, India, 15-19 June 2026*

**Agenda Item 7:** Review and update the APAC CRV Implementation Table and Telecommunication Infrastructure Table

## UPDATE OF CRV NATIONAL AND LOCAL FOCAL POINTS

(Presented by the Secretariat)

### SUMMARY

The paper shares information about the latest CRV focal points and requests a meeting to update the lists of focal points (National and Local) for CRV Implementation.

## 1. INTRODUCTION

1.1 The National and Local focal points for CRV Implementation are included in the [CRV Implementation Plan](#) as contact lists for States/ Administrations and CRV Service Providers to coordinate the implementation of the CRV.

1.2 This paper shares information about CRV's National and local points of contact (PoC) roles and responsibilities. It requests States/Administrations to update National and local PoC information in case of any changes.

## 2. DISCUSSION

### National Points of Contact

2.1 As per the [CRV Implementation Plan](#), National CRV Points of Contact will be in charge of the whole process in each *CRV User – State/Administration*, regardless of whether the State involved has more than one node. The main activities and roles of the National CRV Points of Contact are:

- i. Develop close coordination with the CRV-OG representatives, Contractor and Local CRV PoC for the complete implementation of the CRV node;
- ii. Receive the requests for site surveys from the Contractor, coordinating the actions with the Local CRV PoC;
- iii. Participate and/or coordinate the participation of the Local CRV PoC and Local Staff in the implementation meetings with the Contractor;

- iv. Participate and/or coordinate the participation of the Local CRV PoC and Local Staff in the training package (online, on site, initial and refresh) as defined in Section 3.12 (Training) of the Terms of Reference (ToR) document;
- v. Coordinate the actions and instruct the Local CRV Points of Contact regarding all activities involved in the implementation phase;
- vi. Review and approve the System Design Document (SDD), System Engineering plan (SEP) and other documents, part of the tender package, prepared by the Contractor upon the contract award and signature;
- vii. Review and approve the Validation Plan, including the Site Acceptance Test (SAT), prepared by the Contractor;
- viii. Oversee if the Contractor is following the national laws and procedures concerning the assignment of frequencies with the radio regulator authorities in each country (case of microwave and satellite equipment);
- ix. Update the ICAO CNS Regional Officer (ICAO Asia and Pacific Regional Office) with regard to the timeframe, situation, difficulties and other topics deemed necessary for the implementation of the CRV node(s);
- x. Provide the local CRV IP Addressing Scheme - Plan to the Contractor in close coordination with the CRV-OG representatives.
- xi. Provide the current numbering plan for the ATS Switched Voice Circuits to the Contractor;
- xii. Provide the current direct hotline Voice Circuits configuration to the Contractor;
- xiii. Provide the classification and marking scheme for the prioritization of traffic for the QoS to be used by the aeronautical applications in the CRV network;
- xiv. Receive the requests for site surveys from the Contractor and coordinate the activities with the Local CRV POC; and
- xv. Approve the implementation planning.

### **Local Points of Contact**

2.2 Local Points of Contact are the professionals nominated who will really take part in the installation on behalf of the *CRV Users – State/Administration* and will be in charge of the oversight of the Contractor's team at each site. They will report directly to the National Points of Contact of each CRV Member. The main activities and roles of the Local CRV Points of Contact are:

- i. Instruct and coordinate the actions with all the local staff involved in the CRV implementation;
- ii. Develop close coordination with the National CRV PoC and the Contractor's site staff for the complete implementation of the CRV node;
- iii. Coordinate the actions for the site surveys with the National CRV PoC;
- iv. Participate in the implementation meetings with the Contractor (if decided by the National Point of Contact);

- v. Participate to the elaboration of the implementation planning;
- vi. Participate in the Training Package and nominate, to the National CRV PoC, the Local staff there will participate in the referred events;
- vii. Report, give feedback and update the National CRV PoC regarding all aspects concerning the implementation of the CRV node;
- viii. Assist the National PoC in the revision and approval of the SDD, SEP and other implementation documents, prepared by the Contractor;
- ix. Assist the National PoC in the revision and approval of the Validation Plan, including the SAT, prepared by the Contractor;
- x. Oversee the installation in order to ensure that the Contractor team is keeping the working area clean and free from fire hazards and if after installation, all excess material is duly removed;
- xi. Make sure that the local safety rules are observed by the Contractor in terms of intervention on operational systems;
- xii. Oversee the installation in order to ensure that the Contractor is following what is described in the TOR, item 3.3.2.9, concerning the Electromagnetic compatibility/grounding;
- xiii. Oversee if the QoS configuration is duly performed by the Contractor, as defined by the CRV-OG representatives and the National CRV PoC;
- xiv. Oversee if the CRV IP Addressing Scheme (Plan) is duly performed by the Contractor, as defined by the CRV-OG representatives and the National CRV PoC;
- xv. Oversee if the configuration of the current numbering plan for the ATS Switched Voice is duly performed by the Contractor, as defined by the CRV-OG representatives and the National CRV POC;
- xvi. Oversee if the configuration of the current Direct Circuits (DIR) is duly performed by the Contractor, as defined by the CRV-OG representatives and the National CRV PoC;
- xvii. Coordinate the actions for the site surveys and assist the Contractor's personnel during the visits; and
- xviii. Hold meetings with the Contractor as deemed necessary and report to the National PoC.

2.3 The list of national and local points of contact, provided in Appendix A and Appendix B, is uploaded to the CRV OG/15 Webpage for member states' reference and updates.

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

3.1 The Meeting is invited to:

- a) note the information contained in the paper;

- b) review and update the National and Local points of contact for CRV implementation in **Appendix A** and **Appendix B**; and
- c) discuss any relevant matter as appropriate

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If applicable, please update POC of your States/ administrations by sending email to [jixu@icao.int](mailto:jixu@icao.int) and [snibhani@icao.int](mailto:snibhani@icao.int)

**Table 1: National CRV Points of Contact (POC)**

**Asia Pacific Region:**

SN	State/ Administrati on	Organisation	National CRV Point of Contact (POC)	Designation	E-mail	Telephone/FAX	Address
1.	Afghanistan	Director of Technical Services Afghanistan Civil Aviation Authority (ACAA)	Eng. Mohammad Shaker Popal	Director of CNS	<a href="mailto:engpopal@yahoo.com">engpopal@yahoo.com</a> ;	Office Tele: +93 (0)20 2311962 Mobile : +93 (0)799 601095	Kabul international airport
2.	Australia	Airservices Australia	Mr Ben Gilbert	Engineer	<a href="mailto:ben.gilbert@airservicesaustralia.com">ben.gilbert@airservicesaustralia.com</a> ;	+61 404051273	Airservices Australia Technical Maintenance Centre 747 Tapleys Hill Rd, Adelaide Airport, SA 5950
3.	Bangladesh	Dhaka Hazrat Shahjalal	Mr. S M A Gaffar Fakir	Communication Officer (ATM) Civil Aviation Authority of Bangladesh	<a href="mailto:cocatc@caab.gov.bd">cocatc@caab.gov.bd</a> ;	Tel +880 171 506 7502 Fax +880 (2) 890 1411	Headquarters, Kurmitola Dhaka 1229 BANGLADESH

CRV OG/15  
Appendix A to WP/27

**Fifteenth Meeting of the Common aeRonautical Virtual Private Network Operations Group (CRV OG/15)**

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SN	State/ Administrati on	Organisation	National CRV Point of Contact (POC)	Designation	E-mail	Telephone/FAX	Address
4.	Bhutan	Bhutan Civil Aviation Authority	Mr. Karma Gayley	CNS officer	kgayley@bcaa.g ov.bt;	Tel: +975 8 271347	BCAA office, Paro Intl. Airport
5.	Brunei Darussalam						
6.	Cambodia	State Secretariat of Civil Aviation (SSCA)	Sivarak Chutipong	Director of Technical Development Cambodia Air Traffic Services Co.,Ltd	<a href="mailto:sivarakc@cats.com.kh">sivarakc@cats.com .kh;</a>	Mobile. +855 16 771138 Tel. +855 23 890362	ANSP: Cambodia Air Traffic Services Co., Ltd (CATS) Service Installation: CATS HQ building, in front of Phnom Penh Int. Airport

CRV OG/15  
Appendix A to WP/27

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SN	State/ Administrati on	Organisation	National CRV Point of Contact (POC)	Designation	E-mail	Telephone/FAX	Address
7.	China	ATMB/CAAC	Mr. Huang Zheng	Operation Manger	<a href="mailto:huangzheng@catc.net.cn">huangzheng@catc.net.cn</a> ;	<a href="tel:+8658729977">Tel:+86 58729977</a> <a href="tel:+8613401000524">telephone number: :+86 13401000524</a> <a href="tel:+861067331459">Fax:+86 (10) 67331459</a>	Air Traffic Management Bureau of CAAC No.301 Weatern, Dongwei Rd, SunHe, Chao Yang District,  Beijing, China
8.	Hong Kong, China	Civil Aviation Department, Hong Kong, China	Mr. Vincent Wong	Chief Electronics Engineer	<a href="mailto:vplwong@cad.gov.hk">vplwong@cad.gov.hk</a> ;	<a href="tel:+85229106560">Tel:+852 2910 6560</a> <a href="tel:+85228457160">Fax:+852 2845 7160</a>	Civil Aviation Department Headquarters 1 Tung Fai Road Hong Kong International Airport, Lantau HONG KONG, CHINA

CRV OG/15  
Appendix A to WP/27

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SN	State/ Administrati on	Organisation	National CRV Point of Contact (POC)	Designation	E-mail	Telephone/FAX	Address
9.	Macao, China	Civil Aviation Authority of Macao, China	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> <a href="tel:+85328338089">Fax:+853 2833 8089</a>	Civil Aviation Authority of Macao, China Alameda Dr. Carlos D' Assumpcao 336-342, Centro Comercial Cheng Feng 18 andar MACAO, CHINA
10.	Cook Islands	Airport Authority Cook Islands	Mr Nooroa Maui	Executive General Manager - Technology	nmaui@airportau hority.gov.ck;	Mobile: 00682- 55891 Fax: 00682 21890	
11.	Democratic People's Republic of Korea	General Administration of Civil Aviation	Mr. Ri Sung II	Vice Chief, Communication Section ATM Department	<a href="mailto:gaca@silibank.net.kp">gaca@silibank.net.kp</a> ;	<a href="tel:+85021811118108">Tel:+850 (2) 181111 Ext. 8108</a> <a href="tel:+850213814410">Fax:+850 (2) 381 4410</a>	General Administration of Civil Aviation Pyongyang International Airport Sunan District, Pyongyang DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA
12.	Fiji	Airports Fiji Limited	Mr. Kelepi Dainaki	General Manager Assets & Infrastructure	KelepiD@fijiairpo rts.com.fj;	<a href="tel:+6796731623">Tel:+679 673 1623</a> <a href="tel:+6799906110">Mobile:+679 990 6110</a> <a href="tel:+6796731123">Fax:+679 673 1123</a>	Fiji Airports Private Mail Bag Nadi Airport FIJI ISLANDS

CRV OG/15  
Appendix A to WP/27

**Fifteenth Meeting of the Common aeRonautical Virtual Private Network Operations Group (CRV OG/15)**

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SN	State/ Administrati on	Organisation	National CRV Point of Contact (POC)	Designation	E-mail	Telephone/FAX	Address
13.	France (territories of French Polynesia, New Caledonia and Wallis and Futuna)	DSNA (France)	Mr José De- Freitas	ATM Expert	<a href="mailto:jose.defreitas@aviation-civile.gouv.fr">jose.defreitas@aviation-civile.gouv.fr</a> ;	<a href="tel:+687352475">Tel:+687 352475</a> <a href="tel:+687265206">Fax:+687 265 206</a>	Direction Aviation Civile BP H1, 98800 NEW CALEDONIA
14.	India	Airports Authority of India	Mr. Hemant M. Ramchandani	General Manager (CNS- COM)	<a href="mailto:gmcnscom@aai.aero">gmcnscom@aai.aero</a> ; <a href="mailto:hemantr@aai.aero">hemantr@aai.aero</a> ;	<a href="tel:+911124610537">Tel:+91 (11) 2461 0537</a> <a href="tel:+911124632930">Fax:+91 (11) 2463 2930</a> <a href="tel:+919223314272">Mob: +91-9223314272</a>	Airports Authority of India, Rajiv Gandhi Bhawan, Safdarjung Airport, New Delhi-110003 INDIA
15.	Indonesia.	Directorate of Air Navigation – DGCA Indonesia	Mr. Arian Nurahman	Air Navigation Inspector	arian.nurahman@g mail.com;	Tel: +62 856 9541 4428	Ministry of Transportation Karya Building 23 <sup>rd</sup> Floor, Jl. Merdeka Barat, Jakarta
16.	Japan	JCAB	Mr. Shunta Maki	Chief of facility 4th section Air Navigation Services Engineering Division	<a href="mailto:maki-s46yc@mlit.go.jp">maki- s46yc@mlit.go.jp</a>	Tel: +81-3-5253- 8111(EXT.51422) Fax: +81-3-5253-1663	2-1-3 Kasumigaseki Chiyoda-ku Tokyo 100- 8918 JAPAN

CRV OG/15  
Appendix A to WP/27

**Fifteenth Meeting of the Common aeRonautical Virtual Private Network Operations Group (CRV OG/15)**

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SN	State/ Administrati on	Organisation	National CRV Point of Contact (POC)	Designation	E-mail	Telephone/FAX	Address
				MLIT, JCAB, ANS Department			
17.	Kiribati	Airport Kiribati Authority	Mr Mwabeti Ereata	Maintenance Manager	<a href="mailto:airporttechnician@mict.gov.ki">airporttechnician@mict.gov.ki</a> ;	<a href="tel:+68675229038">Tel: (686) 75229038</a>	Bonriki International Airport
18.	Lao People's Democratic Republic	Lao Air Traffic Management	Mr. Somphavanh KINGSADA  Mr. Moukphamay THAMMAVON GSA	Acting Director of Technical Division and for DCA Lao  Air Navigation Standard Division	<a href="mailto:somphavanhking@gmail.com">somphavanhking@gmail.com</a> ;  <a href="mailto:moukth@msn.com">moukth@msn.com</a> ;	Tel:+856 (20) 585 777 94 Fax +856 (21) 512 216	Director of Air Traffic Technical Service Center P.O. Box 2985 Wattay International Airport Vientiane
19.	Malaysia	Civil Aviation Authority of Malaysia	Mr. Syahroni Bin Chek Rus	Sr Executive Communication Navigation & Meteorology	<a href="mailto:syahroni@caam.gov.my">syahroni@caam.gov.my</a> ;	<a href="tel:+60388714278">Tel:+603 8871 4278</a> <a href="tel:+60388810530">Fax:+603 8881 0530</a>	<b>Civil Aviation Authority of Malaysia (CAAM)</b> Kuala Lumpur Ai Traffic Control Centre (KLATCC) Level 2, West Wing Terminal North, Jln CTA3,

CRV OG/15  
Appendix A to WP/27

**Fifteenth Meeting of the Common aeRonautical Virtual Private Network Operations Group (CRV OG/15)**

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SN	State/ Administrati on	Organisation	National CRV Point of Contact (POC)	Designation	E-mail	Telephone/FAX	Address
							64000 KLIA, Sepang MALAYSIA
20.	Maldives						
21.	Marshall Islands						
22.	Micronesia (Federated States of)						
23.	Mongolia	Civil Aviation Authority of Mongolia.	Mr. Enkhmunkh Enkbold	CNS Officer, Air Navigation and Airport Policy Regulation Department, Civil Aviation Authority of Mongolia.	<a href="mailto:enkhmunkh.e@mc&lt;br/&gt;aa.gov.mn">enkhmunkh.e@mc aa.gov.mn</a> ;	Phone: +976 -71282050 Mobile: +976 - 99084735	
24.	Myanmar	Department Of Civil Aviation	Mr. Zaw Min Oo	Deputy General Manager	<a href="mailto:zawminoo76@gm&lt;br/&gt;ail.com">zawminoo76@gm ail.com</a> ; <a href="mailto:zawminoo.cns@dc&lt;br/&gt;amyanmar.aero">zawminoo.cns@dc amyanmar.aero</a> ;	<a href="tel:+95-9-425324449">Tel:+95-9-425324449</a> <a href="tel:+95(1)533016">Fax:+95 (1) 533 016</a>	Department of Civil Aviation ATC Operating Building Yangon International Airport

CRV OG/15  
Appendix A to WP/27

**Fifteenth Meeting of the Common aeRonautical Virtual Private Network Operations Group (CRV OG/15)**

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							Yangon 11021 MYANMAR
25.	Nauru						
26.	Nepal	Department Civil Aviation Authority of Nepal	Mr. Mukul Mishra	Head CNS Department Civil Aviation Authority of Nepal	<a href="mailto:mukulmishra@fulbrightmail.org">mukulmishra@fulbrightmail.org</a> ;	Tel: 977-1-4256774	Head Office Babarmahal, Kathmandu, Nepal
27.	New Zealand	Airways New Zealand	Mr. Vaughan Hickford	Manager Emterprise Architecture and Networks	<a href="mailto:vaughan.hickford@airways.co.nz">vaughan.hickford@airways.co.nz</a> ;	<a href="tel:+64(3)3581521">Tel:+64 (3) 358 1521</a> <a href="tel:+64(27)5410011">Tel:+64 (27)5410011</a>	Airways New Zeland 26 Sir William Pickering Drive Russley, Christchurch, Canterbury 8043 NEW ZELAND
28.	Pakistan	Pakistan Airports Authority	<b>Mr. Shamsuddin Hakro,</b>	Addl. Director Com. Ops	<a href="mailto:AdID.comops@caapakistan.com.pk">AdID.comops@caapakistan.com.pk</a> ;  Shamsuddin.Hakro @caapakistan.com .pk;	+92-21-99072350 +92-333-2270913  Fax +92-21-99242187	Pakistan Civil Aviation Authority Headquarters, Terminal-I Jinnah International Airport Karachi 75200

CRV OG/15  
Appendix A to WP/27

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		Pakistan Airports Authority	<b>Mr. Shahid Hussain,</b>	Sr. Joint Director Com. Ops	<a href="mailto:Shahid.hussain@caapakistan.com.pk">Shahid.hussain@c aapakistan.com.pk</a> ;	+92-346-2890989 Fax +92-21-99242187	
29.	Palau						
30.	Papua New Guinea	Niusky Paicific Limited	Mr. Paita Evoapo	Manager Communication s System Support	pevoapo@niusky acific.com.pg;	Tel.: +675 3121500 Fax :	Jacksons International Airport Morea-Tobo Rd Port Moresby 121 Papua New Guinea

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31.	Philippines	Civil Aviation of the Philippines	Ms. April Rose B. Emmanuel	CNS Systems Officer V / Asst. Chief, ANS Admin	<a href="mailto:aprilroseemmanuel@gmail.com">aprilroseemmanuel@gmail.com</a> <a href="mailto:april_emmanuel@caap.gov.ph">april_emmanuel@caap.gov.ph</a> ;	<a href="tel:+6329442196">Tel:+63 (2) 944 2196</a>	Civil Aviation Authority of the Philippines Air Navigation Service ANS Technical Center Building Old Mia Road, Pasay City 1300 Metro Manila, PHILIPPINES
32.	Republic of Korea	Ministry of Land, Infrastructure and Transport	Ms. Goeun, Lee	Senior Officer	<a href="mailto:whiningly@korea.kr">whiningly@korea.kr</a> ;	<a href="tel:+82442014362">Tel:+82 (44) 201 4362</a> <a href="tel:+82442015637">Fax:+82 (44) 201 5637</a>	Ministry of Land, Infrastructure and Transport 11, Doum-ro 6 Sejong Special self- governing City REPUBLIC OF KOREA
33.	Samoa	Ministry of Works Transport & Infrastructure- Civil Aviation Division	Ms Venice Roebeck	Principal for Technical and Operations	venice.roebeck@m wti.gov.ws;	<a href="tel:+68521611">Tel:+685 21611</a> Fax:+685 28687	Ministry of Works Transport and Infrastructure P.O Box Private Bag Apia, Samoa

CRV OG/15  
Appendix A to WP/27

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34.	Singapore	Civil Aviation Authority of Singapore	Mr. Augustine Lau	Head (Communicatio ns Systems)	<a href="mailto:augustine_lau@cas.gov.sg">augustine_lau@cas.gov.sg</a> ;		Civil Aviation Authority of Singapore Singapore Changi Airport P.O. Box 1 SINGAPORE 918141
<u>35.</u>	<u>Singapore</u>	<u>Civil Aviation Authority of Singapore</u>	<u>Alex Hong</u>		<u>Alex_hong@caas.gov.sg</u> ;		
<u>35.36.</u>	Solomon Islands	SIACL	Mr. Paul Kito	Head of ATS	pkito@siacl.com.s b;	<b>+677 36007 / +677 7529884/Whatsapp</b>	<b>Head of Air Traffic Service Solomon Islands Airports Corporation Ltd P.O.Box 1966, Honiara, Solomon Islands P: +677 36007 M: +677 7529884/Whatsapp E: <a href="mailto:pkito@siacl.com.sb">pkito@siacl.com.sb</a></b>
<u>36.37.</u>	Sri Lanka	Airport & Aviation Services (Sri Lanka) Ltd.	Eng. Vidura Thammitage	Senior Electronics Engineer	<a href="mailto:vidura.eane@airport.lk">vidura.eane@airport.lk</a> ;	Tel : +94768242735, Fax: +94112633488	Airport & Aviation Services (Sri Lanka) Ltd. Colombo Airport Ratmalana 10370 SRI LANKA

CRV OG/15  
Appendix A to WP/27

**Fifteenth Meeting of the Common Aeronautical Virtual Private Network Operations Group (CRV OG/15)**

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SN	State/ Administration	Organisation	National CRV Point of Contact (POC)	Designation	E-mail	Telephone/FAX	Address
<a href="#">37.38.</a>	Thailand	Aeronautical Radio of Thailand Ltd.	Mr. Amornsak Thorasin	Air Traffic Engineering Manager.	amornsak.th@aero thai.co.th;	<a href="tel:+662878195">Tel: +662878195</a>	Aeronautical Radio of Thailand Ltd. 102 Soi Ngamduplee Tungmahamek, Sathon Bangkok 10120 THAILAND
			Mr. Jatuporn Nootapong	Air Traffic Engineering Manager.	jatuporn.no@aero hai.co.th;	<a href="tel:+6622878456">Tel: +6622878456</a>	
<a href="#">38.39.</a>	Timor Leste						
<a href="#">39.40.</a>	Tonga	Civil Aviation Division- Ministry of Infrastructure	Mr. Sosaia Ma'ake <i>Mrs. Patsy Vunipola Fifita (temporary POC replacing Mr. Ma'ake until further notice)</i>	Assistant Secretary Technical (Air Traffic Services Regulatory Officer)	<a href="mailto:szmaake@gmail.com">szmaake@gmail.com</a> ;  <a href="mailto:atsreg.of@gmail.com">atsreg.of@gmail.com</a> ;	<a href="tel:+6767401580+28024">Tel: +676 7401580 +28024</a>	Alaivahamama'o Bypass Rds Fanga 'o Pilelevu Nuku'alofa TONGA

CRV OG/15  
Appendix A to WP/27

**Fifteenth Meeting of the Common aeRonautical Virtual Private Network Operations Group (CRV OG/15)**

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SN	State/ Administrati on	Organisation	National CRV Point of Contact (POC)	Designation	E-mail	Telephone/FAX	Address
<a href="#">40.41.</a>	Tuvalu						
<a href="#">41.42.</a>	United States	Federal Aviation Administration (FAA)	Mr. Albert O'Neill Or Ms. Marie Manalo	International Telecommunica tion Lead	Al.O'Neill@faa.go v Marie.B.Manalo@ faa.gov	<a href="tel:+14042677142">Tel:+1 (404) 267 7142</a>	Federal Aviation Administration ATO/AJM-514 USA
<a href="#">42.43.</a>	Vanuatu	Airports Vanuatu Limited (AVL)	Mr Steward Moli  Mr Kevin Abel	Manager Air Traffic Safety Electronic Personnel (MATSEP)  Group Head Air Navigation Services (GHANS)	<a href="mailto:steward@airports.vu">steward@airports. vu</a> ;  <a href="mailto:ghans@airports.vu">ghans@airports.vu</a> ;	Tel: +678 5500733  Tel: +678 5547402	Port Vila International Airport P.O Box 131, Port Vila, Vanuatu

CRV OG/15  
Appendix A to WP/27

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SN	State/ Administrati on	Organisation	National CRV Point of Contact (POC)	Designation	E-mail	Telephone/FAX	Address
<a href="#">43.44.</a>	Viet Nam	Viet Nam Air Traffic Management Corporation (VATM)	Nguyen Hong Hiep	Manager, IT Group, CNS Department	nguyenhonghiepbk @vatm.vn;	Office Tele:+842438271386 Mobile: +84912311618	Ha Noi, Viet Nam

CRV OG/15  
Appendix B to WP/27

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**Local CRV Points of Contact (installation and oversight of the Contractor's team on each site)**

SN	State	State/ANSP	Site	Local CRV Points of Contact	Email	Telephone / Fax	Service installation
1.	Afghanistan	Afghanistan Civil Aviation Authority (ACAA)	Kabul	Eng. Mohd.Shaker Popal	<a href="mailto:engpopal@yahoo.com">engpopal@yahoo.com</a>		Kabul International Airport
2.	American Samoa		Pago Pago			Tel.: Fax :	Pago Pago International Airport
3.	Australia	Airservices Australia	Melbourne	Usman Shaukat	<a href="mailto:usman.shaukat@airservicesaustralia.com">usman.shaukat@airservicesaustralia.com</a>	+61 425 625 489	Australia Airservices Australia Melbourne Air Traffic Services Centre Tower Road, Tullamarine, Victoria Australia
4.	Bangladesh		Dhaka			Tel 088-02-8920852, 088-02-8901465 email ccoohsia@caab.gov.bd	Hazrat Shahjalal International Airport - Dhaka COM Center
5.	Bhutan	Department of Air Transport ANSP-Division,	Paro	Ms. Devi Maya Adhikari	<a href="mailto:dmadhikari@doat.gov.bt">dmadhikari@doat.gov.bt</a>	Tel: +975 8 272511	Paro

CRV OG/15  
Appendix B to WP/27

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SN	State	State/ANSP	Site	Local CRV Points of Contact	Email	Telephone / Fax	Service installation
		CNS Section					
6.	Brunei Darussalam		Brunei			Tel.: Fax :	Brunei International Airport
7.	Cambodia	Cambodia Air Traffic Services (CATS)	Phnom Penh	Sivarak Chutipong Director of Technical Development Cambodia Air Traffic Services Co.,Ltd	<a href="mailto:sivarakc@cats.com.kh">sivarakc@cats.com.kh</a>	Mobile. +855 16 771138 Tel. +855 23 890362	CATS HQ building, in front of Phnom Penh Int. Airport
8.	China	ATMB - Air Traffic Management Bureau, CAAC	Beijing	Mr. Huang Zheng Operation manager	<a href="mailto:huangzheng@catc.net.cn">huangzheng@catc.net.cn</a>	Tel.:+86(10)58729 911 telephone number :+86 13401000524 Fax :+86(10)6733 1459	Beijing Network Control Center No.301 Weatem, Dongwei Rd. Sunhe, Chao Yang District, Beijing ,China
9.	China, Hong Kong		Hong Kong	Mr. Gene Kwok	<a href="mailto:gwhkwok@cad.gov.hk">gwhkwok@cad.gov.hk</a>	Tel: +852 2910 6523 Fax: +852 2845 7160	Civil Aviation Department Headquarters, 1 Tung Fai Road, Hong Kong International Airport, Lantau, Hong Kong

CRV OG/15  
Appendix B to WP/27

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SN	State	State/ANSP	Site	Local CRV Points of Contact	Email	Telephone / Fax	Service installation
10.	China, Macao	ADA-Administrato n of Airports	CAM – Macau International Airport Co. Ltd.	Macao	Mr. Gallen Choi	choigallen@macau-airport.com	Tel.: (+853)28861111 Fax: (+853)28862222
11.	Cook Islands	Airport Authority Cook Islands	Rarotonga	Mr Nooroa Maui	nmaui@airportauthority.gov.ck	Tel.: 00682 55891 Fax : 00682 21890	Rarotonga International Airport
12.	Democratic People's Republic of Korea	ATC, Pyongyang International Airport, SUNAN District, DPR Korea	Pyongyang			Tel.: 850-2-381 5910 Fax : 850-2-831 4410	Pyongyang City
13.	Fiji	Airports Fiji Limited	Nadi	Mr Jared Wong	<a href="mailto:JaredW@fijiairports.com.fj">JaredW@fijiairports.com.fj</a>	Tel: +679 6731603 Fax:+679 6731123	ATMC Equipment Room, ATMC Building Ottawa Road, Nadi Airport, Fiji Islands
14.	New Caledonia	DSNA (France)	Noumea	Mr José De-Freitas	<a href="mailto:jose.defreitas@aviation-civile.gouv.fr">jose.defreitas@aviation-civile.gouv.fr</a>	<a href="tel:+687352475">Tel:+687 352475</a> <a href="tel:+687265206">Fax:+687 265 206</a>	Direction Aviation Civile BP H1, 98800 NEW CALEDONIA
15.	French Polynesia	Service d'Etat de l'Aviation Civile / Faa'a International Airport	Papeete	Mr. Didier YVETOT	didier.yvetot@aviation-civile.gouv.fr	Tel: (689) 40 86 10 32  Mobile: +689 87 08 88 16	Service d'Etat de l'Aviation Civile BP 6011 - 98702 Faa'a International Airport

CRV OG/15  
Appendix B to WP/27

**Fifteenth Meeting of the Common aeRonautical Virtual Private Network Operations Group (CRV OG/15)**

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SN	State	State/ANSP	Site	Local CRV Points of Contact	Email	Telephone / Fax	Service installation
						Fax: (689) 40 86 10 39	
16.	India	Airports Authority of India	Mumbai	Mr. B. Madhusudan, General Manager (CNS)	gmensvabb@aai.aero	T. +91 (22) 2088006, 26811933 F. +91-(22)- 2088006 Mobile: +91- 9449250193	AMSS/AMHS Server Room, 1 <sup>st</sup> Floor, Airports Authority of India, ATS Complex, Near Sahar Cargo Andheri East, Mumbai-400099, Maharashtra (India)
		Airports Authority of India	New Delhi	Mr. A. K Srivastava General Manager (CNS)	gmensvidp@aai.aero	T- +91-(11)- 28703000. F. +91-(11)- 25654366 Mob: +91- 9818544476	AMSS/AMHS Server Room, Airports Authority of India, DATS Complex, IGI Airport, New Delhi-110045 (Delhi) (India)
17.	Indonesia	AirNav Indonesia	Jakarta ATS Center (JATSC)	Mr. Irvan  Mr. Said Fauzul Rusnaidi	<a href="mailto:irvan@airnavindonesia.co.id">irvan@airnavindonesia.co.id</a>  <a href="mailto:said.fauzul@airnavindonesia.co.id">said.fauzul@airnavindonesia.co.id</a>	Tel: +62 812 8223 8554  Tel: +62 811 8200 737	AirNav Indonesia - JATSC Building 611 (Tower) Soekarno-Hatta Airport, 15126
		AirNav Indonesia	Makassar ATS Center (MATSC)	Mr. Zainal Arifin Harahap Vice President of Information Technology of Airnav	zainal.arifin@airnavindonesia.co.id	T. +62 21 5591 5000 Ext 6400 M. +62 811168717	AirNav Indonesia - MATSC MATSC Building Sultan Hassanuddin Airport 90552

CRV OG/15  
Appendix B to WP/27

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SN	State	State/ANSP	Site	Local CRV Points of Contact	Email	Telephone / Fax	Service installation
18.	Japan	Tokyo Air Traffic Control Centre	Tokyo	Mr. Shunta Maki (Counter person)	maki-s46yc@mlit.go.jp	+81-3-5253-8111(EXT.51422) Fax : +81-3-5253-1663	1-2, Namiki, Tokorozawa city, Saitama pref. 359-0042 Japan
		Kobe Air Traffic Control Centre	Kobe	Mr. Shunta Maki (Counter person)	maki-s46yc@mlit.go.jp	+81-3-5253-8111(EXT.51422) Fax : +81-3-5253-1663	7-6-2 Ibukidaihigashi, nishi-ku, kobe-city, Hyogo-Pref, 651-2242, Japan
		Fukuoka Air Traffic Control Centre	Fukuoka	Mr. Shunta Maki (Counter person)	maki-s46yc@mlit.go.jp	+81-3-5253-8111(EXT.51422) Fax : +81-3-5253-1663	302-17 Nata Higashi-ku Fukuoka-city Fukuoka-Pref 811-0204 Japan
19.	Kiribati	Airport Kiribati Authority	Tarawa/Cassidy	Mwabeti Ereata, Maintenance Manager  Aako Teikake	<a href="mailto:airporttechnician@mict.gov.ki">airporttechnician@mict.gov.ki</a> ;  <a href="mailto:ceo@airportkiribatiauthority.com">ceo@airportkiribatiauthority.com</a> ;	Tel.: (686) 75229038  Fax :	Bonriki International Airport
20.	Lao People's Democratic Republic		Vientiane	Mr. Somphavanh KINGSADA Acting Director of Technical Division and for DCA Lao  Mr. Moukphamay THAMMAVONGSA Air Navigation Standard Division	<a href="mailto:somphavanhking@gmail.com">somphavanhking@gmail.com</a>  <a href="mailto:moukth@msn.com">moukth@msn.com</a>	Tel.: 856-21-520157, 856-21-512090, Ms. Pen 66-802969631 (Thailand number). Mr. Somboon 856-20-5560-1638	Wattay International Airport

CRV OG/15  
Appendix B to WP/27

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SN	State	State/ANSP	Site	Local CRV Points of Contact	Email	Telephone / Fax	Service installation
21.	Malaysia	Kota Kinabalu Air Traffic Control Centre	Kota Kinabalu	Mr. Mohd. Dahri Bin Munik	<a href="mailto:dahrimunik@caam.gov.my">dahrimunik@caam.gov.my</a> ;	Tel:+6 088 224911 Mobile: +6 019 8815780 Fax: +6 088 219170	Civil Aviation Authority of Malaysia (Civil Aviation Authority of Malaysia (CAAM), ATCC) Building, Jalan Kepayan 88618 Kota Kinabalu, Sabah.
		Kuala Lumpur Air Traffic Control Centre (KL ATCC)	Selangor	Mr. Ahmad Syahidan Bin Abu Bakar	<a href="mailto:syahidan@caam.gov.my">syahidan@caam.gov.my</a> ;	Tel: +6 03 7846 5233 Mobile: +60 19-904 2087 Fax: +6 03 7845 6590	Civil Aviation Authority of Malaysia (CAAM), Kuala Lumpur Air Traffic Control Centre, Jalan CTA3 (KLIA), Kuala Lumpur International Airport, 64000 KLIA, Sepang, Selangor Darul Ehsan.
		Kuching Sub-Centre Kuching Air Traffic Control Centre	Kuching	Ms. Noorashikin Binti Haron	<a href="mailto:noorashikin@caam.gov.my">noorashikin@caam.gov.my</a> ;	Tel: +6 082 616532 Mobile: +6 016 8881971 Fax: +6 082 454523	Kuching Air Traffic Control Centre, Kuching International Airport, 93728 Kuching, Sarawak.
22.	Maldives	Maldives Airports Company Limited	Male			Tel.: 960-322071 Fax: 960-317202 atcc @ airport.com.mv	Malé International Airport Ibrahim Nasir International Airport Hulhule 22000, Republic of Maldives

CRV OG/15  
Appendix B to WP/27

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SN	State	State/ANSP	Site	Local CRV Points of Contact	Email	Telephone / Fax	Service installation
23.	Marshall Islands		Majuro			Tel.: Fax :	Marshall Islands International Airport
24.	Micronesia (Federated States of)		Chuuk/Kosrae/Ponapei/Yap			Tel.: Fax :	Pohnpei International Airport
25.	Mongolia	Civil Aviation Authority of Mongolia	Ulaanbaatar	Mr. Tsend-Ayush Batbayar  Ms. Hayanhirvaa Idermaa	<a href="mailto:tsendayush.b@mcaa.gov.mn">tsendayush.b@mcaa.gov.mn</a>  <a href="mailto:h_idermaa@mcaa.gov.mn">h_idermaa@mcaa.gov.mn</a>	Tel.: +976 - 71283060 Mobile: +976 – 88093686  Tel.: +976 - 71281657 Mobile: +976 – 99196611	Khan-Uul district, 10th khoroo, Buyant-Ukhaa, Ulaanbaatar, Mongolia
26.	Myanmar	Department Of Civil Aviation	Yangon	Mr. Aung Myo	<a href="mailto:aungmyo.ms@gmail.com">aungmyo.ms@gmail.com</a>	Tel:95-1-533030, Ext:469  Mobile:95-9-5414430, 95-9-972892725 Fax:95-1-533016	ATC Tower Building, Yangon Int'l Airport, Airport Road, 11021, Mingaladon Township, Yangon, Myanmar.
27.	Nauru		Nauru			Tel.: Fax :	Nauru International Airport – Yaren
28.	Nepal		Kathmandu	Ms. Reenu Mool (Deputy Director Comm Nav Aid Division Tribhuvan International Airport	<a href="mailto:rmool@hotmail.com">rmool@hotmail.com</a>	Tel.: 977-1-4113185 Fax :	Kathmandu, Nepal

CRV OG/15  
Appendix B to WP/27

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SN	State	State/ANSP	Site	Local CRV Points of Contact	Email	Telephone / Fax	Service installation
				Civil Aviation Authority of Nepal)			
29.	New Zealand	Airways New Zealand	Christchurch,	Mr. Dennis Earnshaw Team Leader Network Design	<a href="mailto:dennis.earnshaw@airways.co.nz">dennis.earnshaw@airways.co.nz</a>	Tel: +64 (21) 606575	20 Sir William Pickering Drive, Russley, Christchurch, New Zealand
		Airways New Zealand	Auckland,	Mr. Dennis Earnshaw Team Leader Network Design	<a href="mailto:dennis.earnshaw@airways.co.nz">dennis.earnshaw@airways.co.nz</a>	Tel:+64 (21) 606575	Cyrill Kay Road, Auckland Airport, Auckland, New Zealand
30.	Niue Islands						
31.	Pakistan	Pakistan Airports Authority	Karachi	<b>Mr. Shamsuddin Hakro,</b> Addl. Director Com. Ops	<a href="mailto:AdlD.comops@caapakistan.com.pk">AdlD.comops@caapakistan.com.pk</a> Shamsuddin.Hakro@caapakistan.com.pk	+92-21-99072350 +92-333-2270913  Fax +92-21-99242187	Jinnah International Airport
		Pakistan Airports Authority		<b>Mr. Shahid Hussain,</b> Sr. Joint Director Com. Ops	<a href="mailto:Shahid.hussain@caapakistan.com.pk">Shahid.hussain@caapakistan.com.pk</a>	+92-346-2890989 Fax +92-21-99242187	

CRV OG/15  
Appendix B to WP/27

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SN	State	State/ANSP	Site	Local CRV Points of Contact	Email	Telephone / Fax	Service installation
32.	Palau		Koror			Tel.: Fax :	Roman Tmetuchl International Airport
33.	Papua New Guinea	Niusky Paacific Limited	Port Moresby	Mr. Paita Evoapo	pevoapo@niuskeypacific.com.pg	Tel.: +675 3121500 Fax :	Jacksons International Airport Morea-Tobo Rd Port Moresby 121 Papua New Guinea
34.	Philippines	Civil Aviation of the Philippines	Pasay City	Mr. Gilmar D. Tiro	gilmar.tiro@gmail.com	Tel.: +63 (2) 944-2242, +63 (2) 6727729, +63 (2) 6727728 Fax :	Philippine Air Traffic Management Center CAAP Compound, Old Mia Road, Pasay City, 1300 Metro Manila, PHILIPPINES
35.	Republic of Korea	AFTN Center	Seoul	Mr. Won Joong Kim Mr. Tae Yeon Yoon	<a href="mailto:togran1684@airport.co.kr">togran1684@airport.co.kr</a> ; <a href="mailto:tyyoon13@airport.co.kr">tyyoon13@airport.co.kr</a>	Tel.: + 82226602931 Tel.: + 82226602866 Fax :	62, Haneul-Gil Gangseo-Gu Seoul, 157-711, Korea
36.	Samoa		Faleolo			Tel.: Fax :	Faleolo International Airport
37.	Singapore	Singapore / Civil Aviation Authority of Singapore	Singapore	<a href="#">Ms. Goh Li Ying</a> <a href="#">Alex Hong</a>	<a href="mailto:goh_li_ying@caas.gov.sg">goh_li_ying@caas.gov.sg</a> <a href="mailto:Alex_hong@caas.gov.sg">Alex_hong@caas.gov.sg</a>		Civil Aviation Authority of Singapore  Singapore Changi Airport P.O. Box 1 SINGAPORE 918141

CRV OG/15  
Appendix B to WP/27

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SN	State	State/ANSP	Site	Local CRV Points of Contact	Email	Telephone / Fax	Service installation
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<a href="#">38-39.</a>	Solomon Islands		Honiara			Tel.: Fax :	Honiara International Airport
<a href="#">39-40.</a>	Sri Lanka		Colombo	Eng. Upula Perera, Electronics Engineer, Airport & Aviation Services (Sri Lanka) Private Limited	<a href="mailto:upula.eane@airport.lk">upula.eane@airport.lk</a>	Tel : +94766630967, Fax: +94112633488	Colombo Ratmalana Airport
<a href="#">40-41.</a>	Thailand	Aeronautical Radio of Thailand LTD	Bangkok	Mr.Amornsak Thorasin  Mr. Jatuporn Nootapong	amornsak.th@aerothai.co.th  jatuporn.no@aerothai.co.th	<a href="tel:+662878195">Tel: +662878195</a>  <a href="tel:+6622878456">Tel: +6622878456</a>	102 Ngamduplee Tungmahamek sathorn Bangkok Thailand 10120
<a href="#">41-42.</a>	Timor Leste		Dili			Tel.: Fax :	Presidente Nicolau Lobato International Airport
<a href="#">42-43.</a>	Tonga	Tonga Airports Limited (TAL)	Tongatapu	Mr. Sione Takapautolo (Chief Technical & Support Officer)  Mr. Fiolo Kaloni (Senior Technician)	STakapautolo@tongaairports.com  f_kaloni@hotmail.com	+676 8490712  +676 72 12501	Fua'amotu International Airport
<a href="#">43-44.</a>	Tuvalu		Funafuti			Tel.: Fax :	Funafuti International Airport
<a href="#">44-45.</a>	United States	Federal Aviation Administration (FAA)	All	Mr. Albert O'Neill International Telecommunication Lead Or	Al.O'Neill@faa.gov Marie.B.Manalo@faa.gov	<a href="tel:+140486165037142">Tel:+1 (404) 861-6503 7142</a>	Federal Aviation Administration ATO/AJM-514

CRV OG/15  
Appendix B to WP/27

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SN	State	State/ANSP	Site	Local CRV Points of Contact	Email	Telephone / Fax	Service installation
				Ms. Marie Manalo		<a href="tel:+12062312518">Tel.+1 (206)231-2518</a>	
		FAA Atlanta NEMC	All	Mr. Will Turner NEMC Operations Support – Contract Support Federal Aviation Administration	<a href="mailto:will.ctr.turner@faa.gov">will.ctr.turner@faa.gov</a> ;		
<a href="#">45-46.</a>	Vanuatu	Airports Vanuatu Limited	Port Vila	Mr Sailosi Rezel - Manager Information & Communications Technology (MICT)  Mr Kevin Abel - Group Head Air Navigation Services (GHANS)	<a href="mailto:srezel@airports.vu">srezel@airports.vu</a>  <a href="mailto:ghans@airports.vu">ghans@airports.vu</a>	Tel: +678 5500700  Tel: +678 5547402	Port Vila International Airport P.O Box 131, Port Vila, Vanuatu
<a href="#">46-47.</a>	Viet Nam	Viet Nam Air Traffic Management Corporation (VATM)	Ho Chi Minh	Mr. Nguyen Hong Hiep	<a href="mailto:nguyenhonghiepbk@vatm.vn">nguyenhonghiepbk@vatm.vn</a>	Tel.: +842438271386 Fax :	AACC Ho Chi Minh 22 Tran Quoc Hoan, Tan Binh distric, Ho Chi Minh City.
<a href="#">47-48.</a>	Wallis and Futuna	Aviation Civile	Wallis	Mr. Bernard Le Guillou	<a href="mailto:bernard.le-guillou@aviation-civile.gouv.fr">bernard.le-guillou@aviation-civile.gouv.fr</a>	+00-681-72-1202 Fax: 00-681-72-29-54 email: <a href="mailto:seac-wf.sna@mail.wf">seac-wf.sna@mail.wf</a>	Hihifo Airport Aviation Civile BP1 Mata-Utu 98600 WALLIS

CRV OG/15  
Appendix B to WP/27

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SN	State	State/ANSP	Site	Local CRV Points of Contact	Email	Telephone / Fax	Service installation
	<b><u>ICAO MID Region</u></b>						
	Bahrain	Bahrain Civil Affairs	Manama				
	Egypt	NANSC	Cairo				
	Iran	Civil Aviation Organization	Tehran				
	Iraq	CAA	Baghdad				
	Jordan	CARC	Amman				
	Kuwait	Directorate General of CA	Kuwait				
	Lebanon	CAA	Beirut				
	Libya	CAA	Tripoli				
	Oman	Public Authority for CA	Muscat				
	Qatar	CAA	Doha				
	Saudi Arabia	General Authoroity of CA	Jeddah and Riyadh				
	Sudan	CAA	Khartoum				
	Syria	CAA	Damascus				
	UAE	General CA Authoroity	AbuDhabi				
	Yemen	CA and Met Authority	Sanaa				

CRV OG/15  
Appendix B to WP/27

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SN	State	State/ANSP	Site	Local CRV Points of Contact	Email	Telephone / Fax	Service installation
	<b><u>Interregional connectivity</u></b>						
	Russia	Interregional connection for AFTN between Beijing China and Far East Air Navigation” 680031, Matveevskoye Shosse, 28a Khabarovsk Russia	Khabarovsk	China: Mr. Huang Zhang Tel: 0086-010-67318494 ,0086-010-58729977 FAX: 0086-010-67331459 E-mail:huangzheng@atnc.com.cn  POC Ms. Tatyana Ivanovna Khvan Tel: 007(4212)418-591 Email: YZinovieva@dv.gkovd.ru		China: Mr. Huang Zhang Tel: 0086-010-67318494 ,0086-010-58729977 FAX: 0086-010-67331459 E-mail:huangzheng@atnc.com.cn  POC Ms. Tatyana Ivanovna Khvan Tel: 007(4212)418-591 Email: YZinovieva@dv.gkovd.ru	China: Address: No. 301 , Qian Wei Gou Cun, Sun He Xiang, Chaoyang District Beijing 100122  Russia Address: Branch “Far East Air Navigation” 680031, Matveevskoye Shosse, 28a Khabarovsk Russia
	UK	Interconnection with Singapore	Fareham	Name: Stuart Dingle	<a href="mailto:Stuart.Dingle@nats.co.uk">Stuart.Dingle@nats.co.uk</a>	Name: Stuart Dingle Email: Stuart.Dingle@nats.co.uk D: 01489 612259 M: 07786 211975	Physical Address: 4000 Parkway, Whiteley, Fareham, Hants PO15 7FL

CRV OG/15  
Appendix B to WP/27

**Fifteenth Meeting of the Common aeRonautical Virtual Private Network Operations Group (CRV OG/15)**

If applicable, please update POC of your States/ administrations by sending email to [jixu@icao.int](mailto:jixu@icao.int) and [snibhani@icao.int](mailto:snibhani@icao.int)

SN	State	State/ANSP	Site	Local CRV Points of Contact	Email	Telephone / Fax	Service installation
	South Africa	Interconnection with India	Johannesburg				
	Italy	Interconnection with Thailand	Rome				