

INTERNATIONAL CIVIL AVIATION ORGANIZATION



DRAFT

**ASIA-PACIFIC REGIONAL STRATEGY
FOR
COVID-19-RELATED ATM CONTINGENCY RECOVERY**

Developed by the ICAO Asia/Pacific Regional Office

ASIA-PACIFIC REGIONAL STRATEGY FOR COVID-19-RELATED ATM CONTINGENCY RECOVERY

Air Navigation Service Provider (ANSP) Actions	
1.	Respond to the survey on ATC Capacity and Recovery of Capacity Survey on COVID-19-related ATM Capacity, and forward this information as soon as possible in order to support development of a regional overview of ATM capacity, and recovery capacity (Appendix A) and report any subsequent status updates to ICAO Asia/Pacific Regional Office (apac@icao.int).
2.	Regularly review the <i>Checklist of Asia/Pacific COVID-19 Contingency Operations and Recovery</i> , (Appendix B) and report any status updates to ICAO Asia/Pacific Regional Office apac@icao.int .
3.	Establish regular liaison between ANSP and government COVID-19 decision-makers. – <i>Ensure government COVID-19-related decisions on relaxation of entry restrictions fully take into account local and regional Air Navigation Services' needs for advance notification.</i>
4.	Ensure government COVID-19 decision-makers are kept fully informed of ATM readiness – <i>ANSP contingency operations or limitations that may impact upon any relaxation of entry restrictions;</i> – <i>Neighbouring States' ANSP contingency operations or limitations that may impact upon any resumption of traffic (see item 7. below).</i>
5.	Ensure there is an effective agreement between government COVID-19 decision-makers and the ANSP for minimum advance notification of decisions to relax entry requirements: – <i>city pairs</i> – <i>State-to-State 'travel bubbles'</i> – <i>unrestricted entry</i> – <i>ideally not less than 14 days' advance notification of the effective date of any relaxation of entry restrictions</i>
6.	Conduct air traffic demand prediction analyses – <i>regular analysis, to develop demand prediction processes and be aware of any trends;</i> – <i>specific demand analyses for each case of proposed relaxation of entry restrictions for city pairs, 'travel bubbles' or unrestricted entry.</i> – <i>ATFM demand/capacity analyses where implemented</i> – <i>Other sources, e.g. Aviation Regulator, CANSO, IATA.</i>
7.	Establish regular liaison between ANSP and airport authorities – <i>ensure mutual understanding of the impact of airport capacity limitations on ATM operations</i>
8.	Keep all neighbouring ANSPs informed of current and planned ATM contingency operations through regular bilateral and/or multi-lateral Collaborative Decision-Making (CDM) conferencing – <i>Daily (recommended) otherwise weekly, as a minimum</i> – <i>any planned relaxation of entry restrictions</i> – <i>results of demand prediction analyses</i> – <i>The ICAO COVID-19 Outbreak Simplified Procedure for ATM CDM and Sharing of Information provides further information, including guidance and templates for ATM/CDM teleconferencing.</i>
9.	Notify ICAO Asia/Pacific Regional Office of: – any changes to ATM contingency arrangements: and – any planned relaxation of entry restrictions resulting in a recovery of traffic (full or partial) – apac@icao.int; ssumner@icao.int; lwicks@icao.int; – Any changes to Contingency Coordination Team (CCT) or ATC Points of Contact (Appendix C)

ICAO Asia/Pacific Regional Office Actions	
1.	On receipt of notification from the ANSP of changes to ATM contingency arrangements, or relaxation of entry requirements, ICAO APAC Regional Office will coordinate the convening of Contingency Coordination Teams – <i>Recovery</i> (CCTs-<i>Recovery</i>) where considered necessary, to assess and coordinate: a. readiness of all affected FIRs (including other ICAO Regions where necessary); b. existing COVID-19-related NOTAMs; c. traffic demand predictions; d. Air Traffic Flow Management (ATFM, where capability exists) or other traffic metering mitigation requirements; e. Agreed common commencement date/time of flights under relaxed entry requirements or other resumption of ATM operations (if necessary); f. Reviewed or new NOTAMs as required; g. Situation monitoring and reporting; and h. Follow-up VTCs
2.	CCTs- <i>Recovery</i> , consisting of relevant APAC Administrations, ICAO, IATA and other relevant International Organizations, will may be convened on a case-by-case basis. They may be expanded or merged where necessary.
3.	CCTs- <i>Recovery</i> will communicate and confer by electronic means, including email, Video Teleconference (VTC) and, where necessary, telephone.
4.	CCTs will continue to be separately formed where necessary to coordinate the regional response to ATM contingency operations that are unrelated to the COVID-19 pandemic.

APPENDIX A

SURVEY ON COVID-19-RELATED ATM CAPACITY

Forward to the ICAO Asia/Pacific Regional Office (apac@icao.int) by C.O.B Thursday 25 June 2019

Indicate your ANSP's current ATM capability/capacity, compared to normal full capacity (December 2019)			
☐ 0 – 25%	☐ 26 – 50%	☐ 51 – 75%	☐ 76 – 100%

If your ANSPs current ATM capability/capacity is less than 100% of full capacity (December 2019), indicate how long it would take to reach the following capacity levels:			
Percentage of Full (Dec 2019) Capacity	3 Days	7 Days	14 Days
50%	☐	☐	☐
75%	☐	☐	☐
100%	☐	☐	☐

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Appendix B

CHECKLIST: ASIA/PACIFIC COVID-19 CONTINGENCY OPERATIONS AND RECOVERY

Note: *The survey questions may also serve as a checklist of considerations for States to assess and update their contingency readiness.*

CURRENT AND ONGOING CONTINGENCY OPERATIONS		
Check the box if the Air Navigation Service Provider:		
1.	☐	Established an ATM Central Coordinating Committee (CCC) function for the development, maintenance, activation and conduct of contingency plans, and for the forming of an ATM Operational Contingency Group (AOCG) function. <i>Ref: APAC Regional ATM Contingency Plan elements 5.8, 5.9, 7.1</i>
2.	☐	Convened an ATM Operational Contingency Group for COVID-19-related contingency <i>Ref: APAC Regional ATM Contingency Plan elements 5.10, 5.11, 7.1</i>
3.	☐	Established Level 1 contingency plans for all ATS units, for services that are reduced or withdrawn due to pandemic. <i>Ref: APAC Regional ATM Contingency Plan elements 1.3, 5.5 to 5.7, 5.12, 7.1 to 7.7 and Appendix C</i>
4.	☐	Established Level 2 contingency arrangements with all neighbouring administrations, for reduced or withdrawn ATS affecting cross-border flights. <i>Ref: APAC Regional ATM Contingency Plan elements 1.3, 5.5 to 5.7, 5.12, 7.1 to 7.7 and Appendix C</i>
5.	☐	Established contingency ATS routes, Flight Level Allocation Scheme/s (FLAS) and associated procedures applicable to COVID-19-related contingency operations in the event of reduced or withdrawn ATS affecting cross-border flights. <i>Ref: APAC Regional ATM Contingency Plan elements 1.3, 5.5 to 5.7, 5.12, 7.1 to 7.7 and Appendix C</i>
6.	☐	Published details of ATS contingency routes and Flight Level Allocation Schemes (FLAS) in AIP <i>Ref: APAC Regional ATM Contingency Plan element 7.6</i>
7.	☐	Prepared template NOTAMs for promulgation of ATS contingency routes, FLAS and procedures, in readiness for COVID-19-related reduction or withdrawal of services. <i>Ref: ICAO State Letter AP086/20 (ATM)</i>
8.	☐	Due to COVID-19, developed and implemented a process for monitoring current and expected traffic demand.
9.	☐	Due to COVID-19, implemented processes in ATS units to reduce the risk of virus transmission (e.g. social distancing, protective clothing/face masks, roster segregation)
10.	☐	Due to COVID-19, implemented processes in ATS units for frequent sterilization of shared workstations and other equipment.
11.	☐	Due to COVID-19, implemented processes for COVID-19 tests and follow-up medical treatment (if necessary) for licensed ATC and other key personnel. (ATC, AIS, FIS, RFF, SAR, and CNS technical maintenance personnel)
12.	☐	Due to COVID-19, amended or relaxed regulations for ATC licensing, license validity and medical certification. <i>Ref: ICAO Annex 1 Personnel Licensing section 4.5 and chapter 6.</i>

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		☐ Registered a Difference in the ICAO EFOD system.
13.	☐	Due to COVID-19, implemented a program of refresher training for maintenance of ATC skills in preparation for resumption of normal traffic demand.
14.	☐	Due to COVID-19, implemented processes to ensure the validity of performance assessments demonstrating ATC skills required for normal (pre-COVID-19) traffic.
Comments		
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UPDATED: 11 June 2020

Note: The Points of Contact List includes selected non-Asia/Pacific States, for contingency coordination purposes.

	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
	AFGHANISTAN			
CCT	Mr. Ahmad Jawid Shahryar	Deputy DG for operations	Tel: +93700244349	shahryar@acaa.gov.af ; shahryarjawid@gmail.com ;
CCT	Mr. Gh Masoom Masoomi	Director of ATM	Tel: +93786308480	Yama_masoomi@yahoo.com ;
CCT	Mr.Zabiullah Ahmadi	Head ATS section	Tel: +93729111032	za_twr@yahoo.com ;
ATC	Mr. Mohammad Qayoum Najim	Manager of Kabul ACC	Tel: +93794097917	qayoumsamim@gmail.com ;
ATC	Mr. Doug Tyson	Advisor for Kabul ACC	Tel: +93797472285	doug.tyson123@yahoo.com ;
ATC	Mr. Haseebullah Zargar	ATC at Kabul ACC	Tel: +93798127848	haseebhaqyar@gmail.com ;
ATC	Ms. Meheria Khalil	Manager Kabul App	Tel: +93703718647	mikeromeo31@yahoo.com ;
	ARMENIA			
CCT	Mr. Artur Gasparyan	Director General "ARMATS" CJSC	Tel: +374 10284142 Fax: +374 10284142	arthur.gasparyan@armats.am ;
CCT	Mr. Sergey Danielyan	Chief of ATC Centre ARMATS	Tel: +37410282673 Fax: +37410282673	sergey.danielyan@armats.am ;
	AZERBAIJAN			
CCT	Mr. Bala Mirzayev	Head of ATS, Azeraeronavigation	Tel: +99 4124971604 Fax: +99 4124971604	BalaMirzayev@azans.az ;

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
CCT	Mr. Agabek Balabekov			agabek.balabekov@azans.az;
	AUSTRALIA			
ATC	Mr. Neil Bain	ATS Specialist Team Leader Operational Standards Airservices Australia Locked Bag 747 Eagle Farm, Qld, 4009	Tel: +61 7 3866 3526 Fax: +61 7 38663742 Mobile: +61 409069851	neil.bain@airservicesaustralia.com; international@airservicesaustralia.com;
	BAHRAIN			
CCT	Abdallal Alquadhi	Director AIS		aalqadhi@mtt.gov.bh;
CCT	Ahmed Bucheery	Director ATM		aalqadhi@mtt.gov.bh;
	BANGLADESH			
CCT	Md. Mizanur Rahman	Deputy Director (ATS) ATM Division Civil Aviation Authority of Bangladesh	Tel: +880 28901431, +8801911529066	ddats@caab.gov.bd; azad_mizan@yahoo.com;
CCT	Mohammad Doulotuzzaman	Assistant Director Chief Instructor, Civil Aviation Training Center Civil Aviation Authority of Bangladesh	Tel: +880 1913575716	65mdzaman@gmail.com;
ATC	Md. Masud Rana	Assistant Director Deputy Station Air Traffic Officer (SATO) Air Traffic Control Center Hazrat Shahjalal International Airport Dhaka, Bangladesh	Tel: +880 1913575853	mdmrana@yahoo.com;
ATC	Mohammad Shamsudduha	Senior Aerodrome Officer Air Traffic Control Center Hazrat Shahjalal International Airport, Dhaka.	Tel: +880 1913575769	sdoha70@gmail.com;

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
	BHUTAN			
ATC	Ms. Phuntsho Yeozer	ATC Officer ANSP Division Department of Air Transport Paro Int. Airport - Bhutan	Tel: +975 (8) 272306	Pyeozer@doat.gov.bt ;
ATC	Mr. Yonten Dendup	ATS Inspector Air Navigation Services Section Bhutan Civil Aviation Authority (BCAA) 2nd Floor BCAA Building, Paro Int. Airport - Bhutan	Tel: +975 (8) 271 374 (Ext. 219)	yendup@bcaa.gov.bt ;
	BRUNEI DARUSSALAM			
	CAMBODIA			
CCT	Ms. Tith Phoumith	Deputy Director of ANS Department State Secretariat of Civil Aviation #44 Phnom Penh International Airport, Russian Federation Blvd.	Tel: +855 23 890 160 Fax: +855 23 890 159 H/P: +855 16 354 519	tphoumith9999@gmail.com ; tithphoumith@ssca.gov.kh ;
ATC	Ms. Tith Phoumith	Deputy Director of ANS Department State Secretariat of Civil Aviation #44 Phnom Penh International Airport, Russian Federation Blvd.	Tel: +855 23 890 160 Fax: +855 23 890 159 H/P: +855 16 354 519	tphoumith9999@gmail.com ; tithphoumith@ssca.gov.kh ;
	CHINA			
CCT	Mr. Wang Haibo	Director of Department of General Affairs CAAC	Tel: +86 10 64091504 Mobile: +86 13 911403951	

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
CCT	Mr. Li Zhe	Deputy Director of Emergency Response Office CAAC	Tel: +86 10 64092125 Mobile: +86 15 810978307	lizhe00162@163.com ;
	HONG KONG, CHINA			
CCT	Mr Tommy AU-YEUNG	Chief (Operations) 1 Civil Aviation Department 2/F, Office Building, Civil Aviation Department Headquarters, 1 Tung Fai Road, Hong Kong International Airport, Lantau	Tel: +852 2910 8170 Fax: +852 2910 8170 +852 2910 0186	thlauyeung@cad.gov.hk ;
	MACAO, CHINA			
CCT	Mr. Stanley Wa Kin PUN	Vice President Civil Aviation Authority, Macao SAR 18/F, Cheng Feng Commercial Centre, 336-342, Alameda Dr. Carlos D'Assumpção, Macao	Tel: +853 8796 4136 Fax: +853 2833 8089	stanleypun@aacm.gov.mo ;
CCT	Mr. Bryan Kuan Hou CHIU	Safety Officer (ATC) Civil Aviation Authority, Macao SAR 18/F, Cheng Feng Commercial Centre, 336-342, Alameda Dr. Carlos D'Assumpção, Macao	Tel: +853 8796 4142 Fax: +853 2833 8089	bryanchiu@aacm.gov.mo ;
ATC	Mr. Bryan Kuan Hou CHIU	Safety Officer (ATC) Civil Aviation Authority – Macao, China SAR 18/F, Cheng Feng Commercial Centre, 336-342, Alameda Dr. Carlos D'Assumpção, Macao	Tel: +853 8796 4142 Fax: +853 2833 8089	bryanchiu@aacm.gov.mo ;
	DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA (DPRK)			

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<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
CCT	Mr. An Kyong Hwa	Deputy Director, Air Traffic Management Bureau (ATMB), General Administration of Civil Aviation	Tel: +850 2 18111 X 8108 Fax: +850 2 3814625 Ext-4625	gaca@silibank.net.kp ;
	FIJI			
CCT	Mr. Isei Tudreu	General Manager ATM & Operations Fiji Airports Limited Private Mail Bag Nadi Airport	Tel: +679 6725777 Fax: +679 6731125 Mobile: +679 9906617	IseiT@fijiairports.com.fj ;
CCT	Theresa Levestam	Controller Ground Safety Civil Aviation Authority of Fiji Private Mail Bag, NAP 0354 Nadi International Airport	Tel: +679 8923167 +679 8923155 ext 3371 Fax: +679 672 0261	cgs@caaf.org.fj ;
ATC	Mr. Amit Singh	ATM Co-Head Operations & Support Fiji Airports Limited Private Mail Bag Nadi Airport	Tel: +679 6725777 Fax: +679 6731125 Mobile: +679 9906127	AmitS@fijiairports.com.fj ;
ATC	Mr. Ivan Wong	ATM Co-Head Operations Fiji Airports Limited Private Mail Bag Nadi Airport	Tel: +679 6725777 Fax: +679 6731125 Mobile: +679 9906128	IvanW@fijiairports.com.fj ;
ATC	Mr. Makiti Raratabu	Air Traffic Management Inspector Air Traffic Management & Meteorology Civil Aviation Authority of Fiji, Private Mail Bag, NAP 0354 Nadi International Airport	Tel: +679 8927907 +679 8923155 ext 3405 Fax: +679 672 0261	makiti.raratabu@caaf.org.fj ;

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<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
	FRANCE (FRENCH POLYNESIA)			
ATC	Mr. Nicolas Hinchliffe	Head of ATC Department SEAC/PF – DGAC	Tel: +689 4086 1147 Fax: Mobile: +689 8953 4894	nicolas.hinchliffe@aviation-civile.gouv.fr ;
	FRANCE (NEW CALEDONIA)			
ATC	M. Thierry HORLAIT	Head of Tontouta Air Traffic Services Head or New Caledonian ARSC	Tel: +687 35.24.01 Mobile: +687 78 57 39	
	INDIA			
CCT	Mr. A K Meena	Executive Director (Air Space Management) Airports Authority of India Rajiv Gandhi Bhawan Safdarjung Airport New Delhi – 110003	Tel: +91 11 24632992 Fax: +91 11 24610528 Mobile: +91 9650108662	edasm@aai.aero ;
CCT	Mr. K Vasudevan	General Manager (Air Space Management) Airports Authority of India Rajiv Gandhi Bhawan Safdarjung Airport New Delhi – 110003	Tel: +91 11 24629012 Fax: +91 11 24610528 Mobile: +91 9920065132	gmasm@aai.aero ;
ATC	Watch Supervisory Officer, Chennai FIR	Area Control Centre, Chennai Airport, Chennai	Tel: +91 44 22560894 Fax: +91 44 22561365 (24 hours) Mobile: +91 9514074449	vomm.wso@aai.aero ;

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
ATC	Watch Supervisory Officer, Delhi FIR	Area Control Centre, I.G.I. Airport, New Delhi	Tel: +91 11 25653283, +91 11 28705100 Fax: +91 11 25653284 (24 hours) Mobile: +91 7290017580	wsoigidelhi@aai.aero ;
ATC	Watch Supervisory Officer, Kolkata FIR	Area Control Centre, NSCBI Airport, Kolkata	Tel: +91 33 25119520 Fax: +91 33 25130134 (24 hours) Mobile: +91 9831591366	vecc.wso@aai.aero ;
ATC	Watch Supervisory Officer, Mumbai FIR	Area Control Centre, CSI Airport Mumbai	Tel: +91 22 20888088 Fax: +91 22 26828066 (24 hours) Mobile: +91 9869062250	vabb.wso@aai.aero ;
	INDONESIA			
CCT	Mr Tian Kusdinar	Chief of ATM Section Directorate of Air Navigation, DGCA Indonesia, MOT 23rd Floor Karya Building Medan Merdeka Barat No. 8 Jakarta 10110	Tel: +62 21 3506451, 3506617 Fax: +62 21 3507569 Mobile: +62 813 8449 7414	tian231182@gmail.com ;
CCT	Mr. Hermawan Novitriyanto	Manager of Area Control Center and Terminal Control Area Directorate of Operation, AirNav Indonesia 2nd floor Support Building of AirNav Indonesia Headquarters Ir. H. Juanda # 1, Tangerang 15121Banten	Tel: +62 21 55915000, Fax: +62 21 55915100 Mobile: +62 81284173391	hermawan.airnav@gmail.com ;

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
CCT	Mr. Indra Gunawan	Deputy Director of Air Navigation Operation, DGCA of Indonesia		indraatc31@gmail.com ;
CCT	Mrs. Nurdini Tambunan	Air Navigation Inspector, DGCA of Indonesia		truedien@gmail.com ;
CCT	Mr. Rahmat Widiyana	ATFM adn CDM Planning Manager, Airnav Indonesia		rachmat.widiyana@airnavindonesia.co.id ;
ATC	Mr. Raden Triaswanto	Junior Manager Planning and Evaluation of Jakarta ACC Upper Kalimantan, Jakarta Air Traffic Services Centre (JATSC)	Tel: +62 819 5682 502	rtriaswanto@gmail.com ;
ATC	Mr. Ari Nugraha Harsawardhana	Junior Manager of Planning and Evaluation of Ujung Pandang ACC, Makassar Air Traffic Services Centre (MATSC)	Tel: +62 877 8008 1977	arieharsa@gmail.com ;
	IRAN			
CCT	Mr. Ahmad Kaveh Firouz	Deputy of Tehran ACC	Tel: +982144544119 Tel: +982144544119 (H) Fax: 989123230447 Mobile: +982144433100	ahmadkavehfiroz@gmail.com ;
	JAPAN			
CCT	Mr. NINOMIYA Osamu	Special Assistant to the Director, Flight Procedures and Airspace Program Office, Japan Civil Aviation Bureau, Japan Airspace Ministry of Land, Infrastructure, Transport and Tourism 2-1-3 Kasumigaseki, Chiyodaku, Tokyo 100-8918	Tel: +81 3 5253 8750 Fax: +81 3 5253 1664	ninomiya-o104h@mlit.go.jp ;

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<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
ATC	Mr. SHIGENOBU Toshiya	Special Assistant to the Director, Air Traffic Control Division, Japan Civil Aviation Bureau (JCAB), Ministry of Land, Infrastructure, Transport and Tourism 2-1-3 Kasumigaseki, Chiyodaku, Tokyo 100-8918	Tel: +81 3 5253 8749 Fax: +81 3 5253 1664	shigenobu-t07sa@mlit.go.jp ;
	KIRIBATI			
ATC	Ms. Muraea Tiaoti	ATS Manager Airport Service Kiribati Bonriki International Airport	Tel: +686 752 28092 Fax: +686 28280	mtiaoti@gmail.com ;
	KUWAIT			
CCT	Shaine Al-Ghanim	Director Safety		sm.alghanim@dgca.gov.kw ;
CCT	Musatfa Al -ararh	Director ANS Safety		ma.altarrah@dgca.gov.kw ;
	KYRGYZ REPUBLIC			
CCT	Mr. Dmitriy Chetvertak	Head of ATM Department SE Kyrgyzaeronavigatsia	Tel: +996-312393130 Fax: +996-312-393093	kan_atm@kan.kg ;
CCT	Mr.Ulukbek Rakhmanov	Director General	Tel: +996-312393559 Fax: +996-312-393 093	kan_atm@kan.kg ;
	LAO PDR			

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<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
ATC	Mr. Amdounla Salinthone	Director of ATSD Air Traffic Services Division (ATSD) Lao Air Navigation Services (LANS) Souphanouvong RD, Wattay International Airport Vientiane capital, Lao PDR, P.O. Box 2985	Tel: +856 21 512006 Fax: +856 21 512216 Mobile: +856 20 55668240	asalinthone@gmail.com ;
ATC	Mr. Thanongdeth Nalisak	Deputy Director of ANSD Air Navigation Standards Division (ANSD) Department of Civil Aviation of Lao PDR (DCAL) Souphanouvong RD, Wattay International Airport Vientiane capital, Lao PDR, P.O Box: 119.	Tel: +856 21 513 163 Fax: +856 21 520 237 Mobile: +856 20 54212446	thanongdeth@dcal.gov.la ; thanongdeth.nalisak@gmail.com ;
	MALAYSIA			
CCT	Mr. Rohdizad bin Ariffin	Dep Director Kuala Lumpur Area Control Centre Blok B, Air Traffic Control Complex Sultan Abdul Aziz Shah Airport 47200 Subang, Selangor	Tel: +60 3 7846 5233 Fax: +60 3 7845 6590 Mobile: +6013 6190716	rohdizad@caam.gov.my ;
CCT	Mr. Chars Wong	Deputy Director Kota Kinabalu Area Control Centre Jalan Kepayan 88618 Kota Kinabalu, Sabah	Tel: +60 16 817 6983 Fax: +60 88 219 198	chars@caam.gov.my ;
CCT	Mr. Wong Ding Hook	Deputy Director Kuching Area Control Centre P.O. Box 1359 93728 Kuching, Sarawak	Tel: +6019 818 5932 Fax: 082-454523	dhwong@caam.gov.my ;

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<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
CCT	Md. Nastain Bin Mahazur	Senior Asst Director Civil Aviation Authority of Malaysia 4 th Floor, Block Podium , No 27 Pesiaran Perdana 62618 Putrajaya, Malaysia	Tel: +603 88714272 Fax: +603 88810530 Mobile: +6017 2187531	mdnastain@caam.gov.my ;
CCT	Mr. Muddastsir Bin Mashor	Senior Asst Director Civil Aviation Authority of Malaysia 4 th Floor, Block Podium , No 27 Pesiaran Perdana 62618 Putrajaya, Malaysia	Tel: +603 88714273 Fax: +603 88810530 Mobile: +60122334550	muddastsir@caam.gov.my ;
ATC	Mr. Rohdizad bin Ariffin	Dep Director Kuala Lumpur Area Control Centre Blok B, Air Traffic Control Complex Sultan Abdul Aziz Shah Airport 47200 Subang, Selangor	Tel: +60 3 7846 5233 Mobile: +6013 6190716 Fax: +60 3 7845 6590	rohdizad@caam.gov.my ;
ATC	Mr. Chars Wong	Deputy Director Kota Kinabalu Area Control Centre Jalan Kepayan 88618 Kota Kinabalu, Sabah	Tel: +60 16 817 6983 Fax: +60 88 219 198	chars@caam.gov.my ;
ATC	Mr. Wong Ding Hook	Deputy Director Kuching Area Control Centre P.O. Box 1359 93728 Kuching, Sarawak	Tel: +6019 818 5932 Fax: 082-454523	dhwong@caam.gov.my ;
	MALDIVES			
ATC		Watch Manager Male Area Control Centre, Velana International Airport	Tel: +960 332 2071 Mobile: +960 7977802 (24 hrs)	sup_matcc@macl.aero ;

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<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
	MARSHALL ISLANDS			
	MICRONESIA			
	MONGOLIA			
CCT	Mr. Erdenebat Yondon	Deputy Director National Civil Aviation Services Center, Civil Aviation Authority of Mongolia, Buyant-Ukhaa, Khan-Uul district, Ulaanbaatar 17120	Tel: +976 71 285100 Fax: +976 70 049640	yo_erdenebat@mcaa.gov.mn ;
CCT	Mr. Urtnasan Doljin	Officer National Civil Aviation Service Center, Civil Aviation Authority of Mongolia, Buyant-Ukhaa, Khan-Uul district, Ulaanbaatar 17120	Tel: +976 71 285014 Fax: +976 70 049640	d_urtnasan@mcaa.gov.mn ;
ATC	Mrs. Mandkhai Batjil	ATM officer Air Navigation and Airports Policy Regulation Department, Civil Aviation Authority of Mongolia, Buyant-Ukhaa, Khan-Uul district, Ulaanbaatar 17120	Tel: +976 71 282060 Fax: +976 70 049640	mandkhai.b@mcaa.gov.mn ;
ATC	Mr. Purevsukh Purev	Director ATS Division, National Civil Aviation Service Center, Civil Aviation Authority of Mongolia, Buyant-Ukhaa, Khan-Uul district, Ulaanbaatar 17120	Tel: +976 71 281700 Fax: +976 70 049640	purevsukh@mcaa.gov.mn ;

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
	MYANMAR			
CCT	Mr. Aung Kyaw Tun	Director General Department of Civil Aviation DCA Headquarters Building Yangon International Airport P.O.Box 11021, Mingaladon Yangon	Tel: +95 (1) 533015 Fax: +95 (1) 533016	dgdca@dca.gov.mm ;
	NAURU			
	NEPAL			
CCT	Mr. Mukul Mishra	Chief, CNS P & D Department Civil Aviation Authority of Nepal, Head Office, Babarmahal, Kathmandu	Tel: +977 1 4249379 Fax: +977 1 4262516 Mobile: +977 9849496700	mishramukul@hotmail.com ;
ATC	Mr. Deepak Baral	Director, ATM Department, Civil Aviation Authority of Nepal, Head Office, Babarmahal, Kathmandu	Tel: +977 1 4266139 Fax: +977 1 4262516 Mobile: +977 9851071819	Deepak.baral@caanepal.gov.np ;
	NEW ZEALAND			
	OMAN			
CCT	Mr. Saleh Al Harthy	Director of CNS	Tel: +968-24519789	saleh@paca.gov.om ;

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
CCT	Mr. Mubarak Al Ghelani	Director of ATC	Tel: +968-24518646	m.alghelani@paca.gov.om ;
CCT	Mr. Nasser Al Mazroui	Chief of ACC	Tel: +968-24518646	n.almazroui@paca.gov.om ;
	PAKISTAN			
CCT	Mr. Iftikhar Ahmed	Additional Director ATS Headquarters, Pakistan Civil Aviation Authority Terminal No.1, Jinnah International Airport Karachi 75200	Tel: +92 21 99242044 Fax: +92 21 99242045 Mobile: +92 301 8267926	Adldops.atm@caapakistan.com.pk ;
	PALAU			
	PAPUA NEW GUINEA			
CCT	Mr. Gabriel Salayau	Executive Manager Aviation Facilities Civil Aviation Safety Authority	Tel: +675 3027551	gsalayau@casapng.gov.pg ;
CCT	Mr. Phil Irvine	Executive Manager Air Traffic Service PNG Airservices Limited	Tel: +675 3131521	pirvine@pngairservices.com.pg ;
ATC	Mr. Gabriel Salayau	Executive Manager Aviation Facilities Civil Aviation Safety Authority	Tel: +675 3027551	gsalayau@casapng.gov.pg ;
ATC	Mr. Phil Irvine	Executive Manager Air Traffic Service PNG Airservices Limited	Tel: +675 3131521	pirvine@pngairservices.com.pg ;
	PHILIPPINES			

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
ATC	Mr. Amada de Guzman, Jr.	Head, Operation Center Civil Aviation Authority of the Philippines MIA Road, Pasay City 1300 Metro Manila, Philippines	Tel: +632 7944 2030 +632 7944 2031	opcen@gnail.com ;
ATC	Ms. Maria Theresa L. Olpindo	Department Manager, III Air Traffic Control and Management Department Air Traffic Service, Civil Aviation Authority of the Philippines	Tel: +632 944 2221	Limavic2000@yahoo.com ;
ATC	Mr. Ferdinand A. Tienzo	Chief, Enroute Division Air Traffic Control and Management Department Air Traffic Service, Civil Aviation Authority of the Philippines	Tel: +632 944 2215	fatienzo@caap.gov.ph ;
ATC	Mr. Romel Y. Matnog	Chief, Approach Division Air Traffic Control and Airspace Management Department Air Traffic Service, Civil Aviation Authority of the Philippines	Tel: +632 7944 2215	mdapproach@yahoo.com ;
ATC	Ms. Marlene I. Singson	Chief, Aerodrome Division Air Traffic Control and Airspace Management Department Air Traffic Service, Civil Aviation Authority of the Philippines	Tel: +632 7944 2222	phlaerodrometowers2017@gmail.com ;
ATC	Mr. Ariel J. Carabeo	Facility Chief Manila Area Control Center Air Traffic Service, Civil Aviation Authority of the Philippines	Tel: +632 8672 7784	arielcarabeo@yahoo.com ;

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
ATC	Mr. Joselito D. Mamuad	Facility Chief Manilla-Clark Approach Cluster Air Traffic Service, Civil Aviation Authority of the Philippines	Tel: +632 8672 7711	ym_atcradar@yahoo.com ;
ATC	Ms. Helen Grace J. Cabuyadao	Facility Chief Manila Control Tower Air Traffic Service, Civil Aviation Authority of the Philippines	Tel: +632 7944 2169	juliet_golf@yahoo.com ;
	REPUBLIC OF KOREA			
CCT	Ms. Hye-in Jung	Deputy Director Air Traffic Command Center Air Traffic Management Office 50-12, Maeyeou-ro 1 gil, Dong-gu, Daegu City, 41059	Tel: +82 53 668 0232 Fax: +82 53 668 0275	hyein@korea.kr ;
CCT	Ms. So-hyun Park	Assistant Director Air Traffic Division Korea Office of Civil Aviation Ministry of Land, Infrastructure and Transport #11 Doum-ro 6, Sejong Special Self-governing City, 30103	Tel.: +82 44 201 4196 Fax: +82 44 201 5631	psohyon@korea.kr ;
	QATAR			
CCT	Qatar FLS			aalhammadi@caa.gov.qa ;
CCT	Qatar MFP			ahmed@caa.gov.qa ; Ahmed@caa.gov.qa ;
	SAUDI ARABIA			

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
CCT	Mr. Ibrahim Al-Jabri			ialjabri@gaca.gov.sa ;
	RUSSIAN FEDERATION			
CCT	Mr. Sergey Pogrebnov	Deputy Director General, State ATM Corporation HQ	Tel: Fax:	Pogrebnov@matfmc.ru ;
CCT	Mr. Peter Shipil	Director, International Relations and Protocol, State ATM Corporation HQ	Tel: Fax:	shipil@gkovd.ru ;
CCT	Mr. Alexey Buevich	Head of ATFM & Strategic Planning, Main ATM Center of Russia, State ATM Corporation	Tel: +7 495 6010643 Fax: +7 495 601 07 64	matcc@aviacom.ru ;
CCT	Mr. Konstantin Starostin,	Deputy Branch Director for ATM, Far East Air Navigation Branch (Khabarovsk), State ATM Corporation	Tel: Fax:	sko@dv.gkovd.ru ;
CCT	Mr. Viktor Trikola,	Head of ATM unit, North East Air Navigation Branch (Magadan)	Tel: Fax:	trikopa@sv.gkovd.ru ; acc@sv.gkovd.ru ;
CCT	Mr. Alexey Khrabrov	Chief of ATM Services, PK ACC	Tel: +7 914 788 1874 Fax:	
	SAMOA			
	SINGAPORE			
ATC	Mr. Thomas Yeo	Senior Chief (SATCC)/ Chief (Approach) Singapore Air Traffic Control Centre 60 Biggin Hill Road Singapore 509950	Tel: +65 6541 2947 Fax: +65 6545 6252	thomas_yeo@caas.gov.sg ;

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
ATC	Mr. Harrison Lim	Chief (Area) Singapore Air Traffic Control Centre 60 Biggin Hill Road Singapore 509950	Tel: +65 6422 7048 Fax: +65 6545 6252	harrison_lim@caas.gov.sg ;
ATC	Mr. Yeo Khung Hui			YEO_Khung_Hui@caas.gov.sg
	SOLOMON ISLANDS			
ATC	Mr Alfred Pitaa	Manager Air Traffic Services Ministry of Communication and Aviation PO BOX 1850 HONIARA	Tel: +677 36326 OR +677 36271	APita'a@mca.gov.sb;
	SRI LANKA			
CCT	Mr. Sumith Tennakoon	Senior Manager – Air Traffic Control	Tel: +94 11 2623030 Ext: 251 Fax: +94 112635105 Mobile: +94 777703854	sumithatc.ans@airport.lk ;
ATC	Mr. Nishan Abeywardena	Head of Air Navigation Services Air Navigation Services Complex Bandaranaike International Airport, Katunayake. Sri Lanka	Tel: +94 11 2252062 Fax: +94 11 2252062 Mobile: +94 11 768242691	head.ans@airport.lk ;
	TAJIKISTAN			
CCT	Mr. Alisher A. Shambiev,	First Deputy of Director General, SUE “Tajikairnavigation”	Tel: +992 48 701-17-20	a.shambiev@airnav.tj ;
	THAILAND			

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
CCT	Mr. Piyawut Tantimekabut,	Air Traffic Management Network Manager Network Operations Air Traffic Management Center Aeronautical Radio of Thailand Ltd. (AEROTHAI) 102 Soi Ngamduplee, Tungmahamek, Sathon Bangkok 10120 Thailand	Tel: +66 2 287 8616 Fax: Mobile: +66 89 697 5859	piyawut@aerorhai.co.th ;
ATC	Ms. Suppanat Hannarongsag	Senior Director, Bangkok Area Air Traffic Control Management Bureau Aeronautical Radio of Thailand Ltd (AEROTHAI) 102 Soi Ngamduplee Tungmahamek, Sathorn, Bangkok 10120	Tel: +66 2 287 8808 Mobile: +66 85 481 1646	suppanat.ha@aerorhai.co.th ;
	TONGA			
ATC	Mr. Tino Fuka	Chief Operating Officer Tonga Airports Limited Fua'amotu International Airport P.O. Box 876 Nuku'alofa	Tel: +676 35212 Mobile: +676 7767264	tfuka@tongaairports.com ;
	TURKEY			
CCT	Mr. Ayhan Öztekin	Air Traffic Manager, DHMI HQ, Ankara	Tel: +90 312 2042290 Fax: +903122220976	Ayhan.Oztekin@dhmi.gov.tr ;
CCT	Mr. Sıtkı Kağan Ertas	Air Navigation Department General Directorate of State Airports Authority	Tel: +90 312 2042592 Fax: +90 3122220976	Kagan.Ertas@dhmi.gov.tr ;
	TURKMENISTAN			

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
CCT	Mr. Batyr Chikayev	Chief of Ashgabat ACC, "Turkmenhowayollary", State Civil Aviation Department	Tel: + 99 312233880 Fax: + 99 312230199	
	UAE			
CCT	Mr. Hamad Rashid Al Belushi	Director Air Traffic Management GCAA P.O Box 666, Abu Dhabi	Tel.: +971 2 5996830, +971 50 6164350 Fax: +971 2 5996836	hbelushi@szc.gcaa.ae ;
CCT	Mr. Ahmed Al Jallaf	Assistant Director General Air Navigation Services Sector GCAA P.O Box 666, Abu Dhabi	Tel.: +971 2 5996888, +971 50 6599242 Fax: +971 2 5996883	aljallaf@szc.gcaa.ae ;
ATC	UAE ANS			aldossari@gcaa.gov.ae ;
	UNITED STATES OF AMERICA			
ATM/ CCT	Mr. Michael Watkins	Senior ATO Representative Asia/Pacific Region Air Traffic Organization, International Office Federal Aviation Administration Air Traffic Representative US Embassy 27 Napier Road Singapore 258508	Tel: +65 6476 9462 Fax: +65 9228 6216 Mobile: +65 9228 2612	michael.w.watkins@faa.gov ;
ATM/ CCT	Mr. Greg Byus		Tel: +1 540 422 4570 Mobile: +1 202 281 6513	Greg.Byus@faa.gov ;

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
CCT	Mr. Robert Roxbrough			robert.roxbrough@faa.gov ;
	VANUATU			
	VIET NAM			
CCT	Mr. Nguyen The Hung	Director Air Navigation Department Civil Aviation Authority of Viet Nam 119 Nguyen Son Street, Long Bien District Ha Noi, Viet Nam	Tel: +8424 3827 4191 Fax: +8424 3927 4194 Mobile: +84 936 700 729	hungand@caa.gov.vn ; hungand_caav@yahoo.com ;
CCT	Mr. Bui Thanh Ha	Director ATS Department – VATM 5/200 Nguyen Son street, Long Bien District, Ha Noi, Viet Nam	Tel: +8424 3872 5272 Fax: +8424 3872 5281	habt@vatm.vn ; buithanhhaatc@yahoo.com ;
ATC	Mr. Nguyen The Hung	Director Air Navigation Department Civil Aviation Authority of Viet Nam 119 Nguyen Son Street, Long Bien District Ha Noi, Viet Nam	Tel: +8424 3827 4191 Mobile: +84 936 700 729 Fax: +8424 3927 4194	hungand@caa.gov.vn ; hungand_caav@yahoo.com ;
ATC	Mr. Bui Thanh Ha	Director ATS Department – VATM 5/200 Nguyen Son street, Long Bien District, Ha Noi	Tel: +8424 3872 5272 Fax: +8424 3872 5281	habt@vatm.vn ; buithanhhaatc@yahoo.com ;
	CANSO			

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<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
CCT	Mr. Chiang Hai Eng	Director Asia Pacific Affairs Civil Air Navigation Services Organization Asia Pacific Office Singapore Aviation Academy 1 Aviation Drive Singapore 499867	Tel: Fax:	hai.eng.chiang@canso.org ;
	EUROCONTROL			
CCT	Mr. Tihomir Todorov	EUROCONTROL Network Management Directorate Airspace and Capacity Division Operations Planning Unit Head of Section Airspace Design	Tel: +32 2 729 31 34	Tihomir.TODOROV@eurocontrol.int ;
CCT	Mr. Razvan Bucuroiu	EUROCONTROL Network Management Directorate Head of Airspace and Capacity Division/Acting Head of Operations Planning Unit	Tel: +32 (0)2 7293648	razvan.bucuroiu@eurocontrol.int ;
	IATA			
SAR	Mr. John Moore	ASPAC Assistant Director – Safety and Flight Operations IATA Singapore	Tel: +65 64992529 Mobile: +65 92470139	moorej@iata.org ;
CCT	Mr. David Rollo	ASPAC Assistant Director – Safety and Flight Operations International Air Transport Association (IATA) Singapore	Tel: +65 6499 2251 Mobile: +65 91771093	rollod@iata.org ;

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ATC= Air Traffic Control, CCT= Contingency Coordination Team				
CCT	Ms. Zainab Khudhair	IATA MENA Office Jordan Manger Safety & flight Operations	Tel: +962 6 5804200 Mobile: +962795222602	khudhairz@iata.org ;
CCT	Mr. John Moore	ASPAC Assistant Director – Safety and Flight Operations IATA Singapore	Tel: +65 6499 2529 Fax: Mobile: +65 92470139	moorej@iata.org ;
CCT	Mr. Yoshiki Imawaka	Executive Advisor, ANA Holdings Inc. Shiodome City Center, 1-5-2 Higashi Shimbashi, Minato-ku, Tokyo, 105-7140, Japan	Tel: +81 50 3756 8520 Fax: +81 3 6735 5770	y.imawaka@anahd.co.jp ;
CCT	Mr. Kim Jung Sik	Chief Specialist, CNS/ATM, FLT OPS Technical Support, Korean Air.	Tel: +822 2656 6249 Mobile: +822 10 97516551	jungsikkim@koreanair.com ;
CCT	Capt Nilesh Patel	Head, Regulatory and International Affairs’ Singapore Airlines	Tel: +65 65481662 Mobile: +65 93699951	nileshm_patil@singaporeair.com.sg ;
CCT	Capt Nithaar Zain	Senior Manager Technical and Flight Services; Singapore Airlines	Tel: +65 65411023 Mobile: +65 9821 2541	nithaar_zain@singaporeair.com.sg ;
CCT	Mr. Julian Fung	International Operations Manager Flight Operations Dept Cathay Pacific Airways Ltd	Tel: +852 27473818 Mobile: +852 97473573	julian_fung@cathaypacific.com ;
CCT	Ms. Lori Shaw	Head of Regulatory Affairs - Flight Ops and Industry; Cathay Pacific	Tel: +852 27478829 Mobile: +852 67402947	Lori_shaw@cathaypacific.com ;
ATC	Mr. David Rollo	ASPAC Assistant Director – Safety and Flight Operations International Air Transport Association (IATA) Singapore	Tel: +65 64992251 Mobile: +65 91771093	rollod@iata.org ;

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<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
ATC	Mr. John Moore	ASPAC Assistant Director – Safety and Flight Operations IATA Singapore	Tel: +65 64992529 Mobile: +65 92470139	moorej@iata.org ;
ATC	Mr. Yoshiki Imawaka	Executive Advisor, ANA Holdings Inc. Shiodome City Center, 1-5-2 Higashi Shimbashi, Minato-ku, Tokyo, 105-7140, Japan	Tel: +81 50 3756 8520 Fax: +81 3 6735 5770	y.imawaka@anahd.co.jp ;
	ICAO			
CCT	Mr. Mike Boyd	Technical Officer, ICAO HQ	Tel: +1 514 954 8219 X 5323 Fax: Mobile: +1 514 6912693	mboyd@icao.int ;
CCT	Mr. Chris Dalton	Chief, Airspace Management and Organization ICAO HQ	Tel: +1 514 954 6711 Fax: +1 514 954 8197 Mobile: +1 514 9510283	cdalton@icao.int ;
CCT	Mr. Raphael Guillet	Chief, ICAO APAC Regional Sub-Office, Beijing	Tel: +86 10 64557179 Fax: +86 10 64557164 Mobile: +86 18510853925	rguillet@icao.int ;
CCT	Mr. Sven Halle	Regional Officer, ICAO Paris	Tel: Fax:	shalle@icao.int ;
CCT	Mr. Elie El Khoury	Regional Officer, ICAO Cairo	Tel: Fax:	ekhoury@icao.int ; icaomid@icao.int ;

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
CCT	Mr. Shane Sumner	Regional Officer, ICAO Bangkok	Tel: + 66 2 537 8189 X 159 Fax: +66 2 5378199 Mobile: +66 9 707 3 2424	ssumner@icao.int ;
CCT	Mr. Hiroyuki Takata	Regional Sub-Office, Beijing	Tel: Fax: +86 10 64557164	htakata@icao.int ;
CCT	Mr. Leonard (Len) Wicks	Regional Officer, ICAO Bangkok	Tel: + 66 2 537 8189 X 152 Fax: +66 2 5378199 Mobile: +66 8 49073260	lwicks@icao.int ;
	ICCAIA			
ADM	Warren BEESTON	ATM Expert - Operational Authority Director Thales Air Systems 3, avenue Charles Lindbergh 94628 Rungis Cedex	Tel: +33 (0)1 79 6123 49 Mobile: +33 (0)6 37 49 12 34	warren.beeston@thalesgroup.com ;
	IFALPA			
ADM	Capt. Amornvaj Mansumitchai	Executive Vice President, Asia/Pacific, IFALPA 484 Rachadinivet Soi 12 Pracharajbampen Rd Huaykhwang Bangkok 10320, Thailand	Tel: +66 02 274 3673 +66 81 3446055 Fax: +66 02 513 0030	amornvaj@gmail.com ;

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	NAME	TITLE/ORGANIZATION	TEL/FAX NUMBER	E-MAIL
<i>ATC= Air Traffic Control, CCT= Contingency Coordination Team</i>				
ADM	SFO Thasan Bureechana	Regional Vice President, Asia East IFALPA 3 rd Floor, 5 th Building Thai Airways International Public Company 89 Vibhavadi – Rangsit Road Chatuchak Bangkok 10900 Thailand	Tel: +66 2 5454046 Fax: +66 2 5130030 Mobile: +66 81 935 0126	thasancom@yahoo.com ;
	IFATCA			
ADM	Mr. Anthony Ang	Executive Vice-President Asia Pacific International Federation of Air Traffic Controllers' Associations (IFATCA)	Tel: +65 9797 0252	anthony.ang@ifatca.org ;

Appendix D

Links

To be provided in final version

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