



ICAO

International Civil Aviation Organization

Ninth Meeting of the ICAO Asia/Pacific Search and Rescue Working Group (APSAR/WG/9)

Bangkok, Thailand, 07 – 10 May 2024

Agenda Item 4: Asia/Pacific and inter-regional SAR planning, coordination and cooperation

REGIONAL AIR NAVIGATION PLAN UPDATE

(Presented by Secretariat)

SUMMARY

This paper presents an update on the Asia/Pacific Regional Air Navigation Plan (ANP). Meeting participants are invited to review the data affecting their administration and provide feedback to ICAO on the data's accuracy.

1. INTRODUCTION

1.1 The Asia/Pacific Regional Air Navigation Plan (ANP - State letters Ref.: T 11/2.1 – AP034/16 and T 11/2.1 – AP051/16 referred), adopted a common, new ANP template, which was approved by the ICAO Council for use by all ICAO Regions. The ANP Volumes I, II and III are available on the ICAO Asia/Pacific Regional Office website at:

<https://www.icao.int/APAC/Pages/APAC-eANP.aspx>

2. DISCUSSION

Background

2.1 The development of the new Asia/Pacific Regional Air Navigation Plan (ANP), replacing ICAO Doc. 9673 – *Asia and Pacific Regions Regional Air Navigation Plan*, has been discussed since 2017. Proposals for Amendment (PfAs) for Flight Information Regions (FIR) and Search and Rescue Regions (SRR) data in ANP Volume I require approval of the Council of ICAO. States should note that Doc. 9673 did not provide a legal description of the FIRs in the first place, it is very important for States to understand that this process of checking, alignment and validation is crucial if they would like a formal basis for their FIRs. Furthermore, the PfA for SRR data would enable the establishment by States of SRRs under the provisions of Annex 12.

2.2 To facilitate the PfA process, ICAO urged States to urgently review the FIR/SRR data of those FIRs and SRRs related to their administration that were not included in the ANP Volume I Table SAR I-1 and provide feedback to the Regional Office on the data's accuracy.

2.3 As Flight Information Regions (FIRs) were considerably more difficult to establish than Search and Rescue Regions (SRRs) with issues such as air navigation charges and the establishment of Special Use Airspace (SUA) being factors for States, the review of FIRs was being conducted first. In addition, many SRRs were of similar dimensions as their associated FIRs, so this would be an easier

task if the FIR dimensions were already established.

2.4 Four State Letters had been issued on this matter and the reposed to the state letters are shown in **Attachment A**. In the event of anomalies, States were urged to confirm the correctness of the data. The intention was to clarify any anomalies, so they could be then compared to the ICAO data (**Attachment B** – SRRs).

2.5 In order to complete the establishment of FIR/SRR tables, the information presented in the CHART ATS 1 and CHART SAR 1 from ICAO Doc 9673 as agreed by the council, could be used as the baseline to populate ANP Vol I. And after the FIR/SRR Table has been updated with the published coordinates in the Regional Air Navigation Plan, States would need to file a PfA for any change to the Air Navigation Plan.

2.6 The exercise to review the ANP with FIR & SSR coordinates should be based on ICAO historical records and not new proposal for changes. Some States had submitted major amendments to their FIRs during the review process. These will only be considered if it was change that only affected the national airspace and not the neighbouring airspace, or if all parties agreed with the change proposal before submission to ICAO.

PfA Process

2.7 The Proposal for Amendment (PfA) process for FIRs and SRRs are now the same process of approval in the ANP Volume I (approval of the Council). The flow diagram detailing the verifications steps before entry into the ANP can be found in **Attachment C**. A Proposal for Amendment (PfA) Template is provided on the ICAO Asia/Pacific website at:

[APAC AIR NAVIGATION PLAN \(ANP\) \(icao.int\)](https://www.icao.int/APAC/AirNavigationPlan/ANP/)

2.8 States should note that PfAs for either the ANP or the Regional Supplementary Procedures (Document 7030) should include a list of all the States of Registry of any airspace or airport or facility user that may be affected by the items that were proposed for amendment.

Flight Information and Search and Rescue Regions Review

2.9 **Figure 1** shows the status of SRR verification.

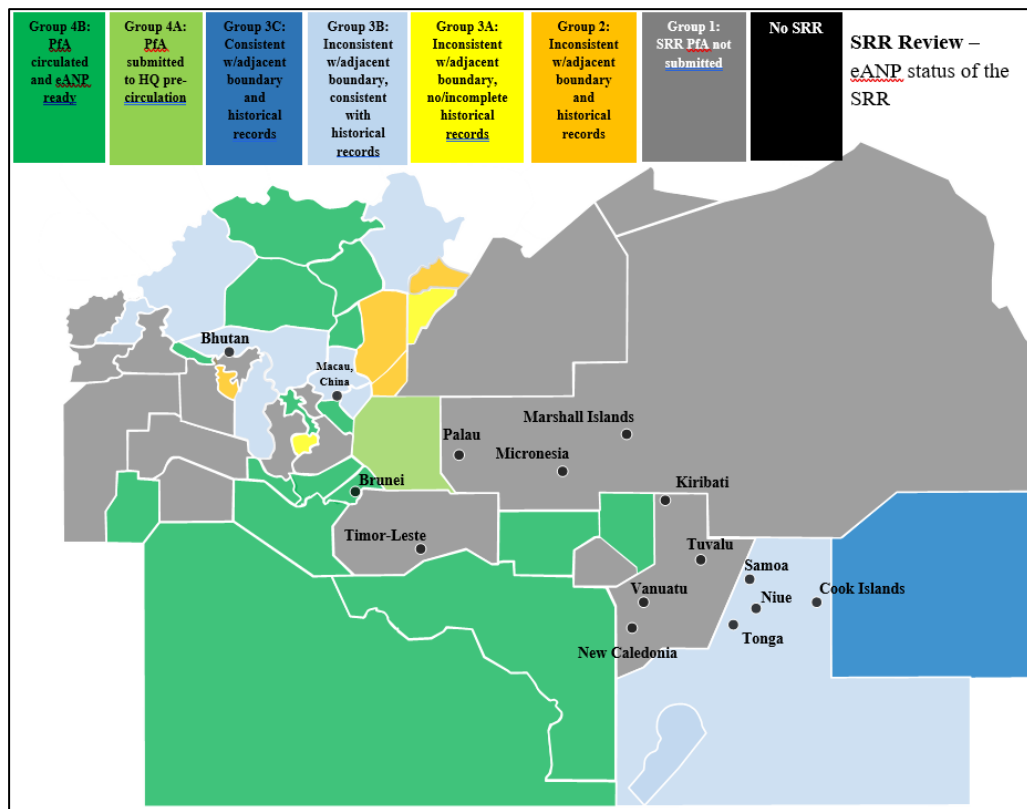


Figure 1: SRR Review Status, as of Mar 2024

DISCLAIMER: The presentation of material in this paper does not imply the expression of any opinion whatsoever on the part of ICAO, APANPIRG or the ATM Sub-Group of APANPIRG concerning the legal status of any country, territory, city or area of its authorities, or concerning the delimitation of its frontiers or boundaries.

2.10 The following fifteen SRRs PfAs were approved by President of the Council and incorporated in the ATM Table I-1 of the eANP, Vol, I:

- Australia SRR (Australia)
- Beijing, Lanzhou, Sanya, Wuhan SRRs (China)
- Jakarta SRR (Indonesia)
- Vientiane SRR (Lao PDR)
- Kuala Lumpur, Kota Kinabalu SRRs (Malaysia)
- Male SRR (Maldives)
- Ulaanbaatar SRR (Mongolia)
- Nauru SRR (Nauru)
- Kathmandu SRR (Nepal);
- Port Moresby SRR (Papua New Guinea)
- Singapore SRR (Singapore)

2.11 The following PfAs have been submitted to the Regional Office, but still require further clarifications/justifications in coordination with adjacent States:

- Guangzhou, Hong Kong, Kunming, Shenyang Shanghai, Taipei, Urumqi SSRs (China)

- Pyongyang SRR (DPRK)
- Nadi SRR (Fiji)
- New Zealand SRR (New Zealand)
- Manila SRR (Philippines)
- Incheon SRR (Republic of Korea)

2.12 Meeting participants are reminded that the Regional ANP Volume II Part I Section 3 (**Attachment D** to this paper) contains special provisions for the establishment and maintenance of a National Air Navigation Plan (NANP) that contains Basic Planning Elements (BPEs), which align with the ANP. These NANP requirements include SAR planning as part of a whole-of-government approach, to ensure an integrated and harmonized planning in accordance with the national priorities of State governments.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) provide updates of any bilateral/trilateral discussion of unresolved SRR boundaries;
- c) review the SRR data, including its alignment with relevant FIR data, related to their administration to be included in draft Table SAR I-1 (**Attachment B**) and provide feedback to ICAO on the data's accuracy;
- d) where the data has been verified, provide SRR data and charts to submit the proposal for amendment to ICAO accordingly; and
- e) discuss any relevant matters as appropriate.

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FIR/SRR Review Consultation

STATE (in grey, no response)	FIR Name	Location Indicator	1st round response to SL ref.: T 3/10.1.3 – AP043/15 (ATM)	2nd round response to SL ref.: T 3/3.7 – AP153/15 (ATM)	3rd round response to SL ref.: T 3/3.7 – AP039/16 (ATM)	4th round response to SL ref.: T 3/3.6, T 3/3.7, T 3/3.8 – AP105/18 (ATM)	SRR Name	1st round response to SL ref.: T 3/3.7 – AP153/15 (ATM)	2nd round response to SL ref.: T 3/3.7 – AP039/16 (ATM)	3rd round response to SL ref.: T 3/3.6, T 3/3.7, T 3/3.8 – AP105/18 (ATM)	4th round response to SL ref.: T 3/3.6, T 3/3.7, T 3/3.8 – AP128/19 (ATM)
Afghanistan	KABUL	OAKX	No	No	No	Yes	KABUL	No	No	Yes	Yes
Australia	BRISBANE	YBBB	Yes	Yes	Yes	Yes	AUSTRALIA	Yes	Yes	Yes	Yes
Australia	MELBOURNE	YMMM	Yes	Yes	Yes	Yes	--	--	--	--	--
Bangladesh	DHAKA	VGFR	Yes	No	Yes	Yes	DHAKA	No	Yes	Yes	Yes
Cambodia	PHNOM PENH	VDPP	No	No	No	Yes	PHNOM PENH	No	No	Yes	Yes
China	BEIJING	ZBPE	Yes	No	Yes	Yes	BEIJING	No	Yes	Yes	Yes
China	GUANGZHOU	ZGZU	Yes	No	Yes	Yes	GUANGZHOU	No	Yes	Yes	Yes
China	HONG KONG	VHHK	Yes	Yes	Yes	Yes	HONG KONG	Yes	Yes	Yes	Yes
China	KUNMING	ZPKM	Yes	No	Yes	Yes	KUNMING	No	Yes	Yes	Yes
China	LANZHOU	ZLHW	Yes	No	Yes	Yes	LANZHOU	No	Yes	Yes	Yes
China	SANYA	ZJSA	Yes	No	Yes	Yes	SANYA	No	Yes	Yes	Yes
China	SHANGHAI	ZYSH	Yes	No	Yes	Yes	SHANGHAI	No	Yes	Yes	Yes
China	SHENYANG	ZYSH	Yes	No	Yes	Yes	SHENYANG	No	Yes	Yes	Yes
China	URUMQI	ZWUQ	Yes	No	Yes	Yes	URUMQI	No	Yes	Yes	Yes
China	WUHAN	ZHWH	Yes	No	Yes	Yes	WUHAN	No	Yes	Yes	Yes
China	TAIBEI	RCAA	No	No	No	Yes	TAIBEI	No	No	Yes	Yes
DPR Korea	PYONGYANG	ZKKP	No	No	Yes	No	PYONGYANG	No	Yes	No	No
French Polynesia (France)	TAHITI	NTTT	No	No	Yes	Yes	TAHITI	No	Yes	Yes	Yes
India	CHENNAI	VOMF	Yes	No	Yes	Yes	CHENNAI	No	Yes	Yes	Yes
India	DELHI	VIDF	Yes	No	Yes	Yes	DELHI	No	Yes	Yes	Yes
India	KOLKATA	VECF	Yes	No	Yes	Yes	KOLKATA	No	Yes	Yes	Yes
India	MUMBAI	VABF	Yes	No	Yes	Yes	MUMBAI	No	Yes	Yes	Yes
Indonesia	JAKARTA	WIIF	No	No	No	Yes	JAKARTA	No		Yes	Yes
Indonesia	UJUNG PANDANG	WAAF	No	No	No	Yes	UJUNG PANDANG	No	No	Yes	Yes
Indonesia	--	--	--	--	--	--	BALI	No	No	--	Yes
Indonesia	--	--	--	--	--	--	BIAK	No	No	--	Yes
Fiji	NADI	NFFF			Yes	Yes	NADI	No	Yes	Yes	Yes
Japan	FUKUOKA	RJJJ	Yes	Yes	Yes	Yes	TOKYO	Yes	Yes	Yes	Yes
Japan	--	--	--	--	--	--	NAHA	No	No	--	Yes
Lao PDR	VIENTIANE	VLAO	No	No	No	Yes	VIENTIANE	No	No	Yes	Yes

STATE (in grey, no response)	FIR Name	Location Indicator	1 st round response to SL ref.: T 3/10.1.3 – AP043/15 (ATM)	2 nd round response to SL ref.: T 3/3.7 – AP153/15 (ATM)	3 rd round response to SL ref.: T 3/3.7 – AP039/16 (ATM)	4 th round response to SL ref.: T 3/3.6, T 3/3.7, T 3/3.8 – AP105/18 (ATM)	SRR Name	1 st round response to SL ref.: T 3/3.7 – AP153/15 (ATM)	2 nd round response to SL ref.: T 3/3.7 – AP039/16 (ATM)	3 rd round response to SL ref.: T 3/3.6, T 3/3.7, T 3/3.8 – AP105/18 (ATM)	4 th round response to SL ref.: T 3/3.6, T 3/3.7, T 3/3.8 – AP128/19 (ATM)
Malaysia	KOTA KINABALU	WBFC	No	No	Yes	Yes	KOTA KINABALU	No	No	Yes	Yes
Malaysia	KUALA LUMPUR	WMFC	No	No	Yes	Yes	KUALA LUMPUR			Yes	Yes
Maldives	MALE	VRMF	No	Yes	Yes	Yes	MALE	Yes	Yes	Yes	Yes
Mongolia	ULAANBAATAR	ZMUB	No	No	No	Yes	ULAANBAATAR	No	No	Yes	Yes
Myanmar	YANGON	VYYY	No	No	Yes	Yes	YANGON	No	No	Yes	Yes
Nauru	NAURU	ANAU	No	No	Yes	Yes	NAURU	No	Yes	No	Yes
Nepal	KATHMANDU	VNSM	No	No	Yes	Yes	KATHMANDU	No	Yes	Yes	Yes
New Zealand	AUCKLAND OCEANIC	NZZO	Yes	Yes	Yes	Yes	NEW ZEALAND	Yes	Yes	Yes	Yes
New Zealand	NEW ZEALAND	NZZC	Yes	Yes	Yes	Yes		--	--	--	--
Pakistan	KARACHI	OPKR	No	No	Yes	Yes	KARACHI	No	Yes	Yes	Yes
Pakistan	LAHORE	OPLR	No	No	Yes	Yes	LAHORE	No	Yes	Yes	Yes
Papua New Guinea	PORT MORESBY	AYPM	No	No	No	Yes	PORT MORESBY	No	No	Yes	Yes
Philippines	MANILA	RPHI	No	Yes	Yes	Yes	MANILA	Yes	Yes	Yes	Yes
Republic of Korea	INCHEON	RKRR	No	Yes	No	Yes	INCHEON	Yes	No	Yes	Yes
Singapore	SINGAPORE	WSJC	Yes	Yes	Yes	Yes	SINGAPORE	Yes	Yes	Yes	Yes
Solomon Islands	HONIARA	AGGG	No	No	No	Yes	HONIARA			No	Yes
Sri Lanka	COLOMBO	VCCF	No	No	Yes	Yes	COLOMBO		Yes	Yes	Yes
Thailand	BANGKOK	VTBB	Yes	No	Yes	Yes	BANGKOK	Yes		Yes	Yes
United States of America	ANCHORAGE OCEANIC	PAZA	Yes	Yes	Yes	Yes	HONOLULU	Yes	Yes	Yes	Yes
United States of America	OAKLAND OCEANIC	KZAK	Yes	Yes	Yes	Yes	JUNEAU	Yes	Yes	Yes	Yes
United States of America	--	--	--	--	--	--	ELMENDORF	No	No	--	Yes
United States of America	--	--	--	--	--	--	SAN FRANCISCO	No	No	--	Yes
Viet Nam	HANOI	VVVV	Yes	No	No	Yes	HANOI	Yes	No	Yes	Yes
Viet Nam	HO CHI MINH	VVTS	Yes	No	No	Yes	HO CHI MINH	Yes	No	Yes	Yes

Follow up action:

S/No.	STATE	FIR	Remarks
01	Afghanistan	Kabul	PfA 19/25-ATM approved by President of the Council and incorporated into eANP, Vol. I. SSR – PfA not submitted
02	Australia	Melbourne Brisbane	PfA 19/36-ATM (Melbourne) approved by President of the Council and incorporated into eANP, Vol. I. PfA 20/17-ATM (Brisbane) approved by President of the Council and incorporated into eANP, Vol. I. SRR – PfA 21/22-ATM approved by President of the Council and incorporated into eANP, Vol. I.
03	Bangladesh	Dhaka	PfA submitted to APRO. Coordination with Myanmar required.
04	Cambodia	Phnom Penh	PfA submitted to APRO. Coordination with Viet Nam and Thailand required.
05	China	Beijing, Guangzhou, Hong Kong, Kunming, Lanzhou, Sanya, Shanghai, Shenyang, Urumqi, Wuhan, Taipei	PfA 20/13-ATM (Sanya) approved by HQ. Circulated to States on 12 March 2020. PfA 20/14 (Wuhan) approved by HQ. Circulated to States on 6 Mar 2020. PfA 20/15-ATM (Beijing) and PfA 20/16-ATM (Lanzhou) approved by HQ. Circulated to States on 11 Sep 2020. PfA 20/12-ATM (Hong Kong) is on hold. The boundary between Guangzhou and Hong Kong FIRs is being further enhanced. PfA –ATM (Shanghai) on hold. Further coordination to be conducted for resolution. SRR – PfA 21/18 ATM (Beijing), 21/19 ATM (Lanzhou), 21/20 ATM (Sanya), 21/21 ATM (Wuhan) approved by President of the Council and incorporated into eANP, Vol. I.
06	DPR Korea	Pyongyang	PfA submitted pending coordination at confluence of Kharbarovsk, Fukuoka & Pyongyang FIR
07	French Polynesia	Tahiti	PfA 19/10-ATM circulated to HQ on 10 Jun 2019. Revised PfA submitted with extension of FIR.
08	India	Chennai, Delhi, Mumbai Kolkata	PfA 19/32-ATM (Mumbai), PfA 19/33-ATM (Chennai) and PfA 19/34 – ATM (Delhi) approved by President of the Council, and incorporated into eANP, Vol. I. Kolkata PfA submitted to APRO. Bangladesh has agreed to the Dhaka/Kolkata FIR coordinates. Pending formal documentation submission from Bangladesh and Myanmar. SRR - PfA not submitted
09	Indonesia	Jakarta Ujung Pandang	PfA 20/32-ATM (Jakarta) and PfA 20/33-ATM (Ujung Pandang) and incorporated into eANP, Vol. I. PfA APAC 23/17-ATM and SRR - PfA 23/18-SAR Approved by President of council, Ujung Pandang SRR - PfA not submitted
10	Fiji	Nadi	PfA 19/11-ATM approved by President of the Council and incorporated into eANP, Vol. I. SSR – PfA not submitted

S/No.	STATE	FIR	Remarks
11	Japan	Fukuoka	PfA 19/35-ATM circulated to HQ. PfA on hold due to discrepancies with Russia/Khabarovsk FIR.
12	Lao PDR	Vientiane	PfA 20/44-ATM approved by HQ. PfA circulated to States on 13 Nov 2020. SRR - PfA 21/05-ATM approved by President of Council. SRR data incorporated into ANP.
13	Malaysia	Kuala Lumpur Kota Kinabalu	PfA 20/34-ATM (Kuala Lumpur) and PfA 20/35-ATM (Kota Kinabalu) approved by HQ. PfAs circulated to States on 13 Nov 2020. SRR - 21/16 ATM (Kuala Lumpur), 21/17 ATM (Kota Kinabalu) approved by President of the Council and incorporated into eANP, Vol. I.
14	Maldives	Male	PfA 19/09-ATM approved by President of the Council and incorporated into eANP, Vol. I. SRR - PfA 21/04-ATM approved by President of Council. SRR data incorporated into ANP.
15	Mongolia	Ulaanbaatar	PfA 19/21-ATM approved by President of the Council. Council and incorporated into eANP, Vol. I. PfA 21/09 ATM approved by President of the Council. Incorporated into ANP
16	Myanmar	Yangon	PfA submitted to APRO. Coordination with Thailand and Bangladesh required.
17	Nauru	Nauru	PfA 20/45-ATM approved by HQ. PfA circulated to States on 10 December 2020. SRR - PfA 21/10-ATM approved by President of Council. SRR data incorporated into ANP.
18	Nepal	Kathmandu	PfA 20/37-ATM approved by HQ. PfA circulated to States on 13 Nov 2020. SRR - PfA 21/03-ATM approved by President of Council. SRR data incorporated into ANP.
19	New Zealand	New Zealand Auckland Oceanic	PfA 19/26-ATM (New Zealand) and 19/27-ATM (Auckland Oceanic) approved by President of the Council and incorporated into eANP, Vol. I. SRR PfA submitted, pending coordination with Fiji.
20	Pakistan	Karachi Lahore	PfA 19/15-ATM (Lahore FIR) approved by HQ. PfAs circulated to States on 12 March 2020. PfA on hold
21	Papua New Guinea	Port Moresby	PfA 20/19-ATM (Port Moresby) approved by President of Council. SRR data incorporated into ANP. SRR - PfA 21/06-ATM approved by President of Council. SRR data incorporated into ANP.
22	Philippines	Manila	PfA 19/12-ATM approved by President of the Council and incorporated into eANP, Vol. I. SRR - PfA 21/11-ATM approved by HQ. PfA on hold.
23	Republic of Korea	Incheon	PfA 19/07-ATM circulated to HQ on 19 Apr 2019. PfA on hold.

S/No.	STATE	FIR	Remarks
24	Singapore	Singapore	PfA 20/36-ATM approved by HQ. PfA circulated to States on 13 Nov 2020. PfA APAC 23/17-ATM Approved by President of council., SRR - PfA 23/18-SAR approved by President of Council. SRR data incorporated into ANP.
25	Solomon Islands	Honiara	PfA 20/18-ATM approved by HQ. PfA circulated to States on 20 Aug 2020. SRR - PfA not submitted
26	Sri Lanka	Colombo	PfA 19/31 ATM approved by President of the Council. Ready for incorporation in the next consolidated amendment of Regional Air Navigational Plan. SRR - PfA not submitted
27	Thailand	Bangkok	PfA submitted to APRO. Coordination with Viet Nam and Cambodia required. SRR - PfA not submitted
28	USA	Oakland Oceanic Anchorage Oceanic	PfA 19/29-ATM (Anchorage Oceanic) and 19/30-ATM (Oakland Oceanic) approved by President of the Council. Ready for incorporation in the next consolidated amendment of Regional Air Navigational Plan. SRR - PfA not submitted
29	Viet Nam	Ha Noi Ho Chi Minh	PfA submitted to APRO. Coordination with Cambodia and Thailand required. SRR - PfA not submitted

Legend

- PfA approved by President of Council and entered in eANP
- PfA circulated to ICAO HQ, Justification /coordination required
- PfA submitted to Regional Office, pending further coordination
- PfA not submitted to ICAO APAC Regional Office

SEARCH AND RESCUE REGIONS (SRR) IN THE ASIA/PACIFIC REGIONS – WORKING DRAFT

EXPLANATION OF THE TABLE

- Column 1. Name of the SRR.
- Column 2. Description of SRR lateral limits.
- Column 3. Remarks — additional information, if necessary.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Australia SRR	140000S 1611500E 174000S 1630000E 450000S 1630000E 900000S 0000000W/E (South Pole) 060000S 0750000E 020000S 0780000E 020000S 0920000E 120000S 1070000E 120000S 1232000E 092000S 1265000E 070000S 1350000E 095000S 1394000E 095000S 1410000E 093700S 1410200E 091542S 1420330E 091248S 1420624E 091154S 1420836E 091200S 1421018E 091124S 1421254E 091136S 1421406E 091354S 1421624E 091606S 1422042E 092206S 1422942E 092148S 1423130E 092236S 1423330E 092124S 1423530E 092024S 1424142E 092018S 1424354E 091924S 1424818E 090800S 1435230E 092400S 1441400E 095634S 1440521E 100515S 1435852E 100850S 1435711E 101751S 1435445E	

	102244S 1435525E 102638S 1435424E 103110S 1435441E 103457S 1435536E 104114S 1435810E 104641S 1435959E 105205S 1440046E 105900S 1440200E 110224S 1440233E 110637S 1440351E 111107S 1440421E 111413S 1440338E 111510S 1440307E 112935S 1440131E 113000S 1440136E 114330S 1440420E 120000S 1440000E 120000S 1550000E 140000S 1550000E 140000S 1611500E.	
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Comments:

- a. PfA APAC-I 21/22-ATM approved by President of the Council and data incorporated into eANP, Vol. I.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Bali SRR	No information on record, not all coordinates available on ICAO GIS.	

Comments:

- a. Ujung Pandang FIR and Bali SRR data not aligned.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Bangkok SRR	113900N 1025430E 100000N 1021500E 070000N 1030000E 064500N 1024000E 061500N 1021500E thence following the national boundary to 063000N 0993000E 071500N 0980000E 100000N 0963000E 095600N 0983300E thence following the national boundary to 113900N 1025430E.	

Comments:

- a. Pending confirmation of FIR data.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Beijing SRR	A line joining 452317N 1152115E 431442N 1173100E 421500N 1180500E 395400N 1192100E 393000N 1195200E 381500N 1200000E 380700N 1193300E 372912N 1173000E 364000N 1152400E 361900N 1143000E 360400N 1134836E 343200N 1101500E 353200N 1101800E 372800N 1104400E 382200N 1103600E 384400N 1094100E 392600N 1083000E 401842N 1070012E 404300N 1055500E 414451N 1051345E thence following the national boundary of the People's Republic of China to 452317N 1152115E.	

Comments:

- a. PfA APAC-I 19/29-ATM approved by President of the Council and data incorporated into eANP, Vol. I.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Biak SRR	No information on record, not all coordinates available on ICAO GIS.	

Comments:

- a. Ujung Pandang FIR and Bali SRR data not aligned.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Bombay SRR	A line joining 250001N 0790455E 231049N 0800334E 222850N 0802116E 213009N 0803537E 184300N 0820000E 194300N 0771000E 191900N 0760000E 180000N 0760000E 164000N 0760000E 163600N 0752800E 162600N 0741100E 162200N 0733400E 161700N 0730000E 150000N 0733500E 150000N 0720000E 073000N 0720000E 073000N 0700000E 030500N 0700000E 000000N 0680000E 060000S 0680000E 060000S 0600000E 194800N 0600000E 233000N 0643000E then eastwards along 233000N parallel until it meets the Indian coastline at 233000N 682300E then northwards along the coastline to 234000N 0681000E then along the common border between India and Pakistan to 250000N 0705500E 250001N 0790455E.	

Comments:

- a. Draft SRR PfA forwarded to India. Awaiting submission.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Calcutta SRR	A line joining 210000N 0920000E 140000N 0920000E 154200N 0855400E 184100N 0824900E 184300N 0820000E 213009N 0803537E 222850N 0802116E 231049N 0800334E 250001N 0790455E 250801N 0785955E 253601N 0793554E 251701N 0794954E 262401N 0801154E 264531N 0805340E 270922N 0813300E 273424N 0824443E thence following the national boundary to 213800N 0891000E a line joining 213800N 0891000E 210000N 0920000E.	

Comments:

- a. Pending confirmation of FIR data.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Colombo SRR	A line joining 060000N 0920000E 020000S 0920000E 020000S 0780000E 060000N 0780000E 100000N 0800000E 100000N 0820000E 060000N 0920000E.	

Comments:

- a. Draft SRR PfA forwarded to Sri Lanka. Awaiting submission.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Delhi SRR	A line joining 273424N 0824443E 270922N 0813300E 264531N 0805340E 262401N 0801154E 251701N 0794954E 253601N 0793554E 250801N 0785955E 250001N 0790455E 250000N 0705500E thence following the national boundary to 273424N 0824443E.	

Comments:

- a. Draft SRR PfA forwarded to India. Awaiting submission.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Dhaka SRR	A straight line joining N 20 22 46.1, E 092 24 09.1; to N 21 26 43.6, E 089 10 59.2 ; then to N 21 38 40.2, E 089 09 20.0; Thence following the national boundary line to N 20 22 46.1, E 092 24 09.1	

Comments:

- a. Pending confirmation of FIR data.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Guangzhou SRR	A line joining 290200N 1143400E 264200N 1135700E 260300N 1140700E 254600N 1145224E 250530N 1152500E 244024N 1152430E 242200N 1164200E 234200N 1171100E 233000N 1173000E 230000N 1173000E 222430N 1154000E 222430N 1143000E thence following the Hong Kong Special Administrative Region boundary to 222130N 1135200E a line joining 222130N 1135200E 193000N 1113000E 203000N 1113000E 203000N 1080300E 211235N 1081231E thence following the national boundary of the People's Republic of China to 231145N 1053230E a line joining 231145N 1053230E 243900N 1054800E 254200N 1073900E 263500N 1091900E 284700N 1092300E 293100N 1092400E 292300N 1130712E 290200N 1143400E.	

Comments:

Comments:

- a. PfA On hold

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Ha Noi SRR	211235N 1081231E 203000N 1080300E 195733N 1075547E 191604N 1071123E 182028N 1074053E 172510N 1084437E 171300N 1080000E 170000N 1071800E 170000N 1063258E thence following national boundary to 212812.5N 1080604.3E 212801.7N 1080601.6E 212750.1N 1080557.7E 212739.5N 1080551.5E 212728.2N 1080539.9E 212723.1N 1080538.8E 212708.2N 1080543.7E 211632N 1080805E 211235N 1081231E.	

Comments:

- a. Pending confirmation of FIR data.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Ho Chi Minh SRR	143000N 1140000E 103000N 1140000E 070000N 1080000E 070000N 1030000E 090000N 1024000E 102200N 1034400E thence following national boundary to 170000N 1063258E 171300N 1080000E 170000N 1071800E 172510N 1084437E 143000N 1120000E 143000N 1140000E.	

Comments:

- a. Pending confirmation of FIR data.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Hong Kong SRR	A line joining 230000N 1173000E 210000N 1173000E 164000N 1140000E 193000N 1113000E 222130N 1135200E thence following the Hong Kong Special Administrative Region boundary to 222430N 1143000E a line joining 222430N 1143000E 222430N 1154000E 230000N 1173000E.	

Comments:

- a. SRR PfA submitted. FIR PfA on hold.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Honiara SRR	103000S 1664500E 114800S 1665200E 140000S 1630000E 140000S 1550000E 071900S 1550000E 065533S 1553808E 065533S 1554137E 065050S 1555523E 064104S 1560136E 063950S 1560223E 063300S 1560209E 045000S 1590000E 045000S 1600000E 103000S 1664500E.	

Comments:

- a. Draft SRR PfA forwarded to Solomon Islands. Pending submission.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Honolulu SRR	A line joining 524300N 135000W 510000N 133450W 482000N 128000W 450000N 126300W 405900N 126540W 405000N 127000W 373023N 127000W 362743N 126560W 353000N 125500W 360000N 124120W 343000N 123150W 304500N 120500W 300000N 120000W 033000N 120000W 033000N 145000W 050000S 155000W 050000S 180000W/E 033000N 180000W/E 033000N 160000E 000000N/S 160000E 000000N/S 141000E 033000N 141000E 033000N 133000E 070000N 130000E 210000N 130000E 210000N 155000E 270000N 155000E 270000N 165000E 430000N 165000E 454200N 162550E 500800N 176340W 512400N 167490W 533000N 160000W 560000N 153000W 564542N 151450W	

	532203N 1370000W 524300N 1350000W.	
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Comments:

- a. Draft SRR PfA forwarded to United States. Pending submission.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Jakarta SRR	011300N 1133500E 030000S 1102300E 082000S 1102300E 120000S 1143000E 120000S 1070000E 020000S 0920000E 060000N 0920000E 060000N 0942500E 060000N 0973000E 013900N 1021000E 011300N 1033000E 011408N 1033142E 011200N 1033900E 011046N 1034015E 010800N 1034500E 011500N 1040000E 011800N 1043000E 012921N 1043441E 011947N 1044606E 021838N 1052205E 023641N 1051311E 024348N 1050854E 025010N 1051210E 031453N 1052619E 031727N 1052959E 033045N 1055130E 041312N 1071743E 043820N 1073315E 045203N 1074625E 045904N 1075525E 050012N 1080132E 045700N 1081619E 025050N 1091629E 021500N 1083000E 010000N 1083000E	Vertical limits: SFC to UNL Remarks: For portions of the Jakarta FIR where the provision of air traffic services is delegated by Indonesia to Singapore, as documented in APAC ANP Volume I, Part IV, ATM Table I-1, Search and rescue (SAR) services are provided jointly by Indonesia and Singapore.

	010000N 1085400E thence along Kalimantan west coast to the national boundary of Indonesia/Malaysia to 011300N 1133500E.	
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Comments:

- a. PfA APAC-I 23/18-ATM approved by President of the Council and data incorporated into eANP, Vol. I.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Kabul SRR	371105N 0674723E thence following the national boundary to 371105N 0674723E.	

Comments:

- a. Draft SRR PfA forwarded to Afghanistan. Pending submission.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Juneau SRR	A line joining 544009N 1700000E 513000N 1700000E 510500N 1734400E 500800N 1763400W 454200N 1625500E 500500N 1590000E 540000N 1690000E 544009N 1700000E.	

Comments:

- a. Draft SRR PfA forwarded to United States. Pending submission.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Karachi SRR	300000N 0733500E thence following the national boundary to 234000N 0681000E 233000N 0682300E 233000N 0643000E 233000N 0612000E 244000N 0612000E 251040N 0613550E thence following the national boundary to 300000N 0661900E 300000N 0733500E.	

Comments:

- a. Draft SRR PfA forwarded to Pakistan. Pending submission.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Kathmandu SRR	302645N 0813744E thence following the national boundary to 302645N 0813744E.	

Comments:

- a. PfA APAC-I 21/03 circulated to ICAO HQ. Approved and incorporated into the ANP.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Kota Kinabalu SRR	082500N 1163000E 073000N 1173000E 040000N 1200000E 040000N 1180000E thence along the national boundary of Malaysia and Indonesia to 010000N 1085400E 010000N 1083000E 021500N 1083000E 082500N 1163000E.	

Comments:

- a. PfA APAC-I 21/17-ATM approved by President of the Council and data incorporated into eANP, Vol. I.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Kuala Lumpur SRR	064500N 1024000E 045000N 1034400E 034000N 1034000E 023600N 1044500E 012000N 1042000E thence along 012000N to the national boundary of Malaysia/Singapore; thence along the national boundary of Malaysia/Singapore to 011700N 1033600E 011300N 1033000E 013900N 1021000E 060000N 0973000E 060000N 0942500E 100000N 0942500E 100000N 0963000E 071500N 0980000E 063000N 0993000E thence along the national boundary of Malaysia/Thailand to 061500N 1021500E 064500N 1024000E.	

Comments:

- a. PfA APAC-I 21/16-ATM approved by President of the Council and data incorporated into eANP, Vol. I.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Kunming SRR	A line joining 315400N 1093100E 293100N 1092400E 284700N 1092300E 263500N 1091900E 254200N 1073900E 243900N 1054800E 231145N 1053230E thence following the national boundary of the People’s Republic of China to 302630N 0813730E; a line joining 302630N 0813730E 321806N 0840318E 362500N 0872300E 360200N 0890100E 325200N 0915500E 320600N 0970000E 314900N 0983500E 325500N 1014200E 333500N 1035300E 322700N 1054900E 321400N 1072400E 315400N 1093100E.	

Comments:

- a. PfA submitted to Regional Office. Pending confirmation of FIR data.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Lahore SRR	A line joining 300000N 0733500E 300000N 0661900E thence following the national boundary to 300000N 0733500E.	

Comments:

- a. Draft SRR PfA forwarded to Pakistan. Pending confirmation of FIR data.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Lanzhou SRR	A line joining 414451N 1051345E 404300N 1055500E 401842N 1070012E 392600N 1083000E 384400N 1094100E 382200N 1103600E 372800N 1104400E 353200N 1101800E 343200N 1101500E 340500N 1102900E 333200N 1105200E 315400N 1093100E 321400N 1072400E 322700N 1054900E 333500N 1035300E 325500N 1014200E 314900N 0983500E 320600N 0970000E 325200N 0915500E 360200N 0890100E 362500N 0872300E 382100N 0901300E 414800N 0950800E 425500N 0962014E thence following the national boundary of the People's Republic of China to 414451N 1051345E.	

Comments:

- a. PfA APAC-I 21/18-ATM approved by President of the Council and data incorporated into eANP, Vol. I.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Madras SRR	A line joining 133000N 0942500E 060000N 0942500E 060000N 0920000E 100000N 0820000E 100000N 0800000E 060000N 0780000E 060000N 0740000E 073000N 0740000E 073000N 0720000E 150000N 0720000E 150000N 0733500E 161700N 0730000E 162200N 0733400E 162600N 0741100E 163600N 0752800E 164000N 0760000E 180000N 0760000E 191900N 0760000E 194300N 0771000E 184300N 0820000E 184100N 0824900E 154200N 0855400E 140000N 0920000E 133000N 0942500E.	

Comments:

- a. Draft SRR PfA forwarded to India. Pending submission.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Male SRR	A line joining 060000N 0780000E 020000S 0780000E 060000S 0750000E 060000S 0680000E 000000N/S 0680000E 030500N 0700000E 073000N 0700000E 073000N 0720000E 073000N 0740000E 060000N 0740000E 060000N 0780000E.	

Comments:

- a. PfA APAC-I 21/04 circulated to ICAO HQ. Approved and incorporated into the ANP.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Manila SRR	A line joining 210000N 130000E 070000N 130000E 040000N 132320E 040000N 120000E 073000N 117300E 082500N 116300E 103000N 114000E 164000N 114000E 210000N 117300E 210000N 130000E.	

Comments:

- a. PfA APAC-I 21/11 circulated to ICAO HQ. Further coordination required with adjacent States.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Nadi SRR	A line joining 033000N 180000E 050000S 180000W 050000S 171000W 153245.1S 1754031.2W 250000S 180000E 250000S 171250E 280000S 168000E 300000S 163000E 174000S 163000E 140000S 161150E 140000S 163000E 100000S 170000E 033000N 170000E 033000N 180000E.	

Comments:

- a. Draft SRR PfA forwarded to Fiji. Pending submission.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Nauru SRR	033000N 1700000E 100000S 1700000E 114800S 1665200E 103000S 1664500E 045000S 1600000E 033000N 1600000E 033000N 1700000E.	

Comments:

- a. PfA APAC-1 21/10 circulated to ICAO HQ. Approved and incorporated into the ANP.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
New Zealand SRR	A line joining 250000S 1630000E 250000S 1800000E 153300S 1754100W 050000S 1710000W 050000S 1570000W 300000S 1570000W 300000S 1310000W 900000S 1310000W 250000S 1630000E	

Comments:

- a. PfA submitted, pending coordination with Fiji.

a.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Phnom Penh SRR	102200N 1034400E 090000N 1024000E 070000N 1030000E 100000N 1021500E 113900N 1025430E thence following the national boundary to 102200N 1034400E.	

Comments:

a. Pending confirmation of FIR data.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Port Moresby SRR	000000N/S 1600000E 045000S 1600000E 045000S 1590000E 063300S 1560209E 063950S 1560223E 064104S 1560136E 065050S 1555523E 065533S 1554137E 065533S 1553808E 071900S 1550000E 120000S 1550000E 120000S 1440000E 114330S 1440420E 113000S 1440136E 112935S 1440131E 111510S 1440307E 111413S 1440338E 111107S 1440421E 110637S 1440351E 110224S 1440233E 105900S 1440200E 105205S 1440046E 104641S 1435959E 104114S 1435810E 103457S 1435536E 103110S 1435441E 102638S 1435424E 102244S 1435525E 101751S 1435445E 100850S 1435711E 100515S 1435852E 095634S 1440521E 092400S 1441400E 090800S 1435230E 091924S 1424818E 092018S 1424354E	

	092024S 1424142E 092124S 1423530E 092236S 1423330E 092148S 1423130E 092206S 1422942E 091606S 1422042E 091354S 1421624E 091136S 1421406E 091124S 1421254E 091200S 1421018E 091154S 1420836E 091248S 1420624E 091542S 1420330E 093700S 1410200E 065334S 1410106E thence following the Fly River to 061914S 1410000E 000000N/S 1410000E 000000N/S 1600000E.	
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Comments:

- a. PfA APAC-I 21/06 circulated to ICAO HQ. Approved and incorporated into the ANP.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Pyongyang SRR	414000N 1313100E 403000N 1355600E 383800N 1333900E 383800N 1282200E THENCE FOLLOWING THE MILITARY DEMARCATION LINE TO 380000N 1240000E 395100N 1241000E THENCE FOLLOWING THE NATIONAL BOUNDARY TO 421736N 1304148E	

Comments:

- a. Pending confirmation of FIR data.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Sanya SRR	A line joining 203000N 1113000E 193000N 1113000E 164000N 1140000E 143000N 1140000E 143000N 1120000E 182028N 1074053E 191604N 1071123E 195733N 1075547E 203000N 1080300E 203000N 1113000E.	

Comments:

- a. PfA APAC-I 21/20-ATM approved by President of the Council and data incorporated into eANP, Vol. I.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Shanghai SRR	A line joining 380000N 1240000E 323000N 1240000E 323000N 1265000E 290000N 1254900E 290000N 1240000E 262908N 1212656E 250000N 1200000E 230000N 1173000E 233000N 1173000E 234200N 1171100E 242200N 1164200E 244024N 1152430E 250530N 1152500E 254600N 1145224E 260300N 1140700E 264200N 1135700E 290200N 1143400E 300500N 1155600E 325430N 1154848E 343100N 1155430E 351448N 1152700E 364000N 1152400E 372912N 1173000E 380700N 1193300E 381500N 1200000E 381500N 1230000E 380000N 1240000E.	

Comments:

- a. SRR PfA submitted to Regional Office. Pending confirmation of FIR data.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Shenyang SRR	394941N 1241006E 380000N 1240000E 381500N 1230000E 381500N 1200000E 393000N 1195200E 395400N 1192100E 421500N 1180500E 431442N 1173100E 452317N 1152115E thence following the national boundary of the People's Republic of China to 394941N 1241006E.	

Comments:

- a. SRR PfA submitted to Regional Office. Pending confirmation of FIR data.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Singapore SRR	082500N 1163000E 025050N 1091629E 045700N 1081619E 050012N 1080132E 045904N 1075525E 045203N 1074625E 043820N 1073315E 041312N 1071743E 033045N 1055130E 031727N 1052959E 031453N 1052619E 025010N 1051210E 024348N 1050854E 023641N 1051311E 021838N 1052205E 011947N 1044606E 012921N 1043441E 011800N 1043000E 011500N 1040000E 010800N 1034500E 011046N 1034015E 011200N 1033900E 011408N 1033142E 011700N 1033600E thence east along the national boundary of Singapore/Malaysia, thence along 012000N to 012000N 1042000E 023600N 1044500E 034000N 1034000E 045000N 1034400E 064500N 1024000E 070000N 1030000E 070000N 1080000E 103000N 1140000E 082500N 1163000E.	Vertical limits: SFC to UNL

Comments:

- a. PfA APAC-I 23/18-ATM approved by President of the Council and data incorporated into eANP, Vol. I.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Incheon Taegu SRR	383800N 1333900E 380000N 1330000E 373000N 1330000E 344000N 1291000E 323000N 1273000E 323000N 1265000E 300000N 1252500E 300000N 1240000E 380000N 1240000E 380000N 1245100E following the national boundary from 380000N 1245100E to 383800N 1282200E a line joining 383800N 1282200E 383800N 1333900E 400000N 1275800E 400000N 1350000E 372000N 1350000E 350000N 1300000E 344000N 1291000E 331200N 1280500E 300000N 1252500E 300000N 1210000E 400000N 1210000E 400000N 1215000E	

Comments:

- a. SRR PfA submitted to Regional Office. Naming of Incheon SRR to replace Taegu SRR. Pending confirmation of FIR data.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Tahiti SRR	033000N 1200000W 300000S 1200000W 300000S 1570000W 050000S 1570000W 050000S 1550000W 033000N 1450000W 033000N 1200000W.	

Comments:

- a. Pending confirmation of FIR data.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Taibei SRR	A line joining 290000N 1240000E 290000N 1254900E 260000N 1250000E 253000N 1240000E 233000N 1240000E 210000N 1213000E 210000N 1173000E 230000N 1173000E 250000N 1200000E 262908N 1212656E 290000N 1240000E	

Comments:

- a. SRR PfA submitted to Regional Office. Pending confirmation of FIR data..

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Tokyo SRR	500500N 1590000E 454200N 1625500E 430000N 1650000E 270000N 1650000E 270000N 1550000E 210000N 1550000E 210000N 1213000E 233000N 1240000E 300000N 1240000E 300000N 1252500E 323000N 1265000E 323000N 1273000E 344000N 1291000E 373000N 1330000E 380000N 1330000E 383800N 1333900E 403000N 1355600E 454500N 1400000E 454500N 1420000E 443000N 1454000E then between Hokkaido and Kunashiri Islands from 443000N 1454000E to 432000N 1455000E 430000N 1465000E 450000N 1500000E 500500N 1590000E.	

Comments:

- a. Pending confirmation of FIR data.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Ulaanbaatar SRR	495044.4N 1164249.3E thence following the national boundary to 495044.4N 1164249.3E.	

Comments:

- a. PfA APAC-I 21/09 circulated to ICAO HQ. Approved incorporated into the ANP.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Urumqi SRR	A line joining 425500N 0962014E 414800N 0950800E 382100N 0901300E 362500N 0872300E 321806N 0840318E 302630N 0813730E thence following the national boundary of the People's Republic of China to N425500N 0962014E.	

Comments:

- a. SRR PfA submitted to Regional Office. Pending confirmation of FIR data.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Vientiane SRR	170000N 1063258E thence following the national boundary to 170000N 1063258E.	

Comments:

- a. PfA APAC-I 21/05 circulated to ICAO HQ. Approved incorporated into the ANP.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Wuhan SRR	A line joining 364000N 1152400E 351448N 1152700E 343100N 1155430E 325430N 1154848E 300500N 1155600E 290200N 1143400E 292300N 1130712E 293100N 1092400E 315400N 1093100E 333200N 1105200E 340500N 1102900E 343200N 1101500E 360400N 1134836E 361900N 1143000E 364000N 1152400E.	

Comments:

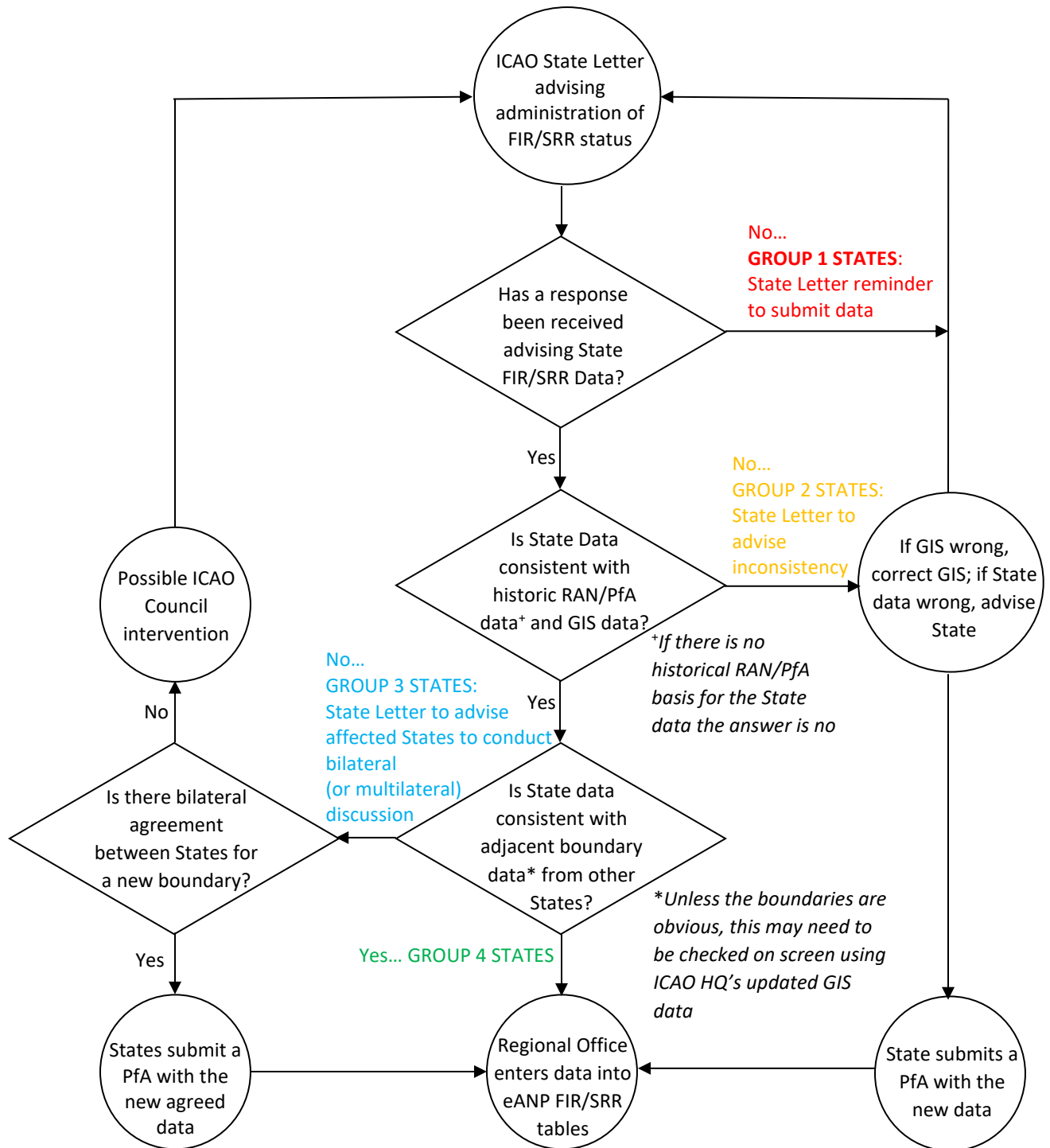
- a. PfA APAC-I 21/21-ATM approved by President of the Council and data incorporated into eANP, Vol. I.

Name of SRR	Lateral limits coordinates	Remarks
1	2	3
Yangon SRR	A line joining 100000N 0983000E 100000N 0942500E 133000N 0942500E 140000N 0920000E 210000N 0920000E 215700N 0923200E thence following the national boundary to 100000N 0983000E.	

Comments:

- a. Pending confirmation of FIR data.

Attachment C - ANP FIR/SRR Review Process Flow Diagram



APAC ANP, VOLUME II

PART I – GENERAL PLANNING ASPECTS (GEN)

1. INTRODUCTION

1.1. The material in this part of Volume II of ANP is applicable to one or more parts of the ANP. It should be taken into consideration in the overall planning process for the Asia and Pacific Regions.

2. GENERAL REGIONAL REQUIREMENTS

2.1. To facilitate air navigation systems planning and implementation, homogenous ATM areas and/or major traffic flows/routing areas have been defined for the Regions. While these areas of routing do not encompass all movements in the Regions, they include the major routes. This includes the domestic flights in that particular area of routing.

Homogeneous ATM area

2.2. A homogeneous ATM area is an airspace with a common ATM interest, based on similar characteristics of traffic density, complexity, air navigation system infrastructure requirements or other specified considerations. In such an ATM area a common detailed plan will foster the implementation of interoperable ATM systems. Homogeneous ATM areas may extend over States, specific portions of States, or groupings of States. They may also extend over large oceanic and continental areas. They are considered areas of shared interest and requirements.

2.3. The method of identifying homogeneous ATM areas involves consideration of the varying degrees of complexity and diversity of the worldwide air navigation infrastructure. Based on these considerations, planning could best be achieved at the global level if it was organized based on ATM areas of common requirements and interest, taking into account traffic density and the level of sophistication required.

Major traffic flows/routing areas

2.4. A major traffic flow refers to a concentration of significant volumes of air traffic on the same or proximate flight trajectories. Major traffic flows may cross several homogeneous ATM areas with different characteristics.

2.5. A routing area encompasses one or more major traffic flows, defined for the purpose of developing a detailed plan for the implementation of ATM systems and procedures. A routing area may cross several homogeneous ATM areas with different characteristics. A routing area specifies common interests and requirements of underlying homogeneous areas, for which a detailed plan for the implementation of ATM systems and procedures either for airspace or aircraft will be specified.

2.6. The homogeneous ATM areas and major traffic flows/routing areas identified are given in [Table GEN II-1](#).

3. SPECIFIC REGIONAL REQUIREMENTS

3.1. States shall establish and maintain a National Air Navigation Plan (NANP) that supports implementation of the Global Air Navigation Plan and regional air navigation planning. The NANP shall be accessible to key stakeholders, including ICAO; however, specific details related to national security may be withheld from public release.

The NANP should detail the State's assessment of its requirements and the implementation process for applicable global and regional air navigation planning elements.

States shall report their implementation progress and status of the applicable global and regional air navigation planning elements at least once each year (preferably prior to 01 April) to support:

- global and regional plans (including the Seamless Air Traffic Management Plan and the Regional Air Navigation Plan Volume III); and
- specific plans for aerodromes, Aeronautical Information Management (AIM), Air Traffic Flow Management (ATFM), Air Traffic Management (ATM) contingency and Search and Rescue (SAR).

Note: a 'robust' status plan that is not subject to consideration as an APANPIRG Deficiency is one that is evaluated as achieving 90% or more implementation of the planning elements.

The NANP should include the following Basic Planning Elements:

Background – a brief introduction aimed at high level decision-makers that describes the need for the plan with benefits and costs, including the necessity for global and regional harmonization and interoperability:

- a) general (not necessarily quantitative) description of the Plan's benefits;
- b) general description of the costs*; and
- c) details of how the State Plan connects to the global and regional planning hierarchy.

**Note 1: this is a matter for the State to determine, and could be in terms of quantitative, qualitative, cost of implementation or cost of not implementing.*

**Note 2: ICAO do not require details of costs from States, as this is for the State's benefit.*

Stakeholder Consultation – high level descriptions and statements:

- a) of the process used to consult with stakeholders, including the military; and
- b) from key stakeholders (such as Heads of CAAs, ANSPs, military organisations, etc.) endorsing the State Plan.

Analysis – Information on the State's analysis of:

- a) all applicable ASBU and regional elements deemed to be applicable, including a statement of the State's priorities* for implementation; and
- b) elements that are deemed to be not applicable, and how these were determined.

**Note: this assessment should be guided by the priorities determined by APANPIRG*

Planning – descriptions of:

- a) the implementation process, such as how the different stakeholders will work together, design systems and provide feedback on implementation; and
- b) each applicable global and regional element's implementation managers (those responsible for execution of the implementation) and timelines.

Progress – details in the State Plan as to the progress of implementation against the planning timelines.

Note 1: this also provides an indication that the Plan is a ‘living document’ subject to periodic review and update.

Note 2: ICAO would not normally be interested in the details of the Plan (except where specific need is identified at APANPIRG Contributory bodies). The NANP will need to address the BPEs at a high level and States should send detailed information only when requested by ICAO.

3.2. The homogeneous ATM areas and major traffic flows/routing areas identified in the Asia and Pacific Regions are shown in [Chart GEN II APAC-1](#).
