



International Civil Aviation Organization

**The Sixth Meeting of the APANPIRG ATM Sub-Group
(ATM/SG/6)**

Hong Kong, China, 30 July – 03 August 2018

Agenda Item 4: ATM Systems (Modernisation, Seamless ATM, CNS, ATFM)

eANP (FIRs/SRRs)

(Presented by the Secretariat)

SUMMARY

This paper presents an update on the electronic Air Navigation Plan (ANP) for the Asia/Pacific. 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 Electronic Air Navigation Plan (eANP) Volume I and II (State letters Ref.: T 11/2.1 – AP034/16 and T 11/2.1 – AP051/16 referred), had adopted a common, new ANP template, which had been approved by the ICAO Council for use by all ICAO Regions. The ANP containing Volume I and II is currently at <http://www.icao.int/APAC/Pages/APAC-eANP.aspx>.

1.2 The Twenty Seventh Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/27, Bangkok, Thailand, 5 to 8 September 2016) had discussed the development of the eANP in regard to Flight Information Regions (FIRs) and Search and Rescue Regions (SRRs):

3.2.26 ICAO provided updated information on FIR and Search and Rescue Region (SRR) descriptions being analysed for incorporation into the electronic Air Navigation Plan (eANP). The meeting noted that in the first round of consultation regarding the FIRs and SRRs, 11 of the 30 administrations responded (36.7%). After the second round, 14 administrations had responded (46.7%). After the third State Letter, 20 of 30 administrations had responded (66.7%). This represented a relatively poor response, given the importance of FIRs and SRRs. States which did not respond are as follows:

Afghanistan, Democratic People's Republic of Korea, Indonesia, Mongolia, Nauru, Nepal, Papua New Guinea and Solomon Islands. Several States responded with requirement conduct further coordination with adjacent FIRs before submitting PfAs.

3.2.27 Only one State's response (Japan) had allowed a confirmation that the FIR data was correct, and consistent with historical approvals (either a Regional Air Navigation Proposal for Amendment or as an outcome of a Regional Air Navigation meeting).

3.2.28 The ATM/SG/4 meeting agreed that with only one FIR ready for eANP insertion, that a further delay of one year would be recommended to APANPIRG before the FIR/SRR tables could be submitted for approval.

2. DISCUSSION

Flight Information and Search And Rescue Regions Review

2.1 The first round of consultation for the FIR and SRR descriptions was conducted during the Third ATM Sub Group Meeting (ATM/SG/3) and subsequently at APANPIRG/26. The second round of consultation was by State Letter ref.: T 3/10.1.3 – AP043/15 (ATM), and then a second State Letter ref.: T 3/3.7 – AP153/15 (ATM).

2.2 **Figure 1** is a flow diagram detailing the verifications steps before entry into the ANP.

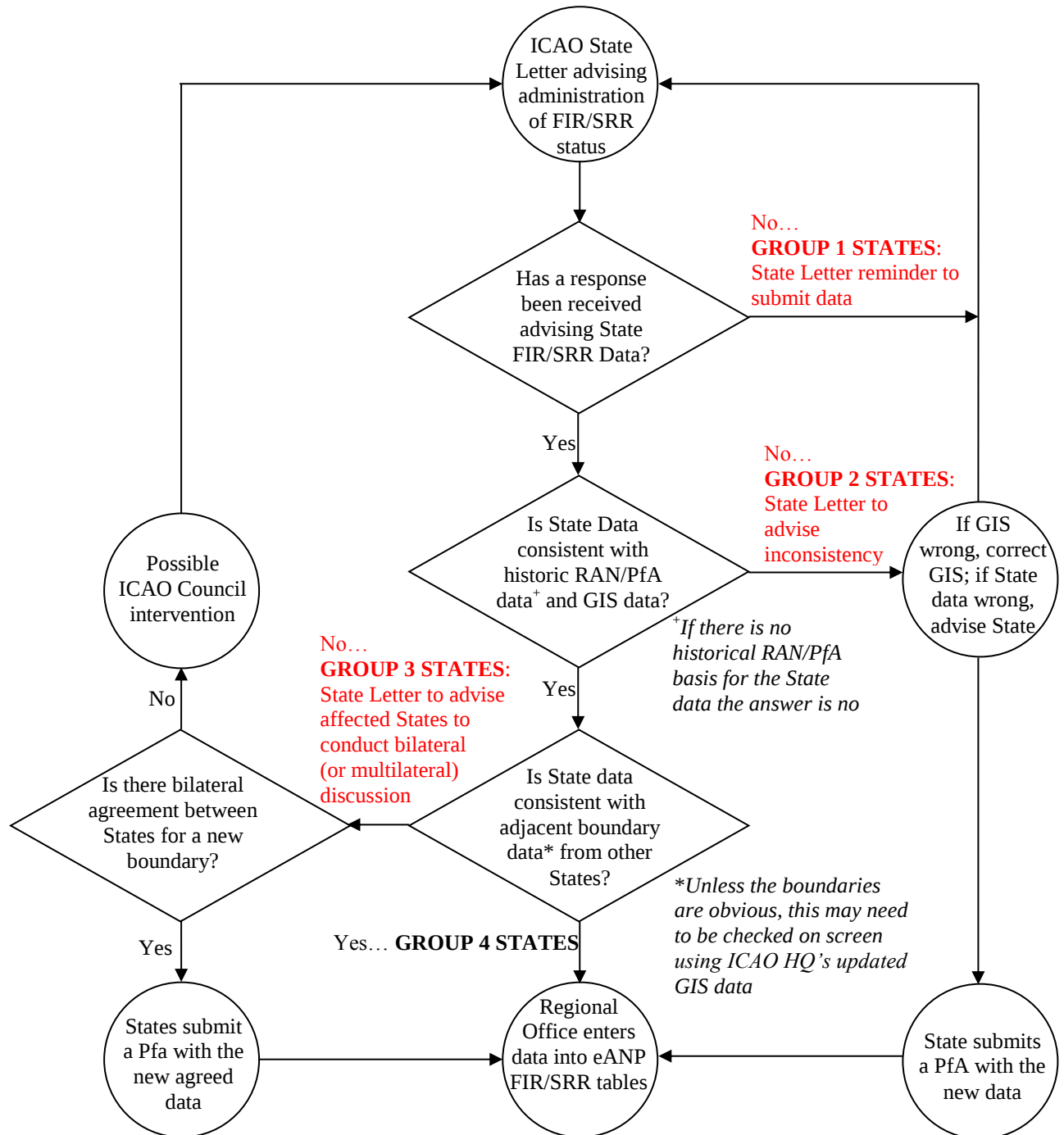


Figure 1: eANP FIR/SRR Review Process Flow Diagram

2.3 The overall feedback from the consultation by State Letter is summarized at **Attachment A**. In the first round, 11 of the 30 administrations responded (only 36.7%). After the second round, 14 administrations had responded (46.7%). By the end of 2016, State response was 53%; 12 States/Administrations which did not respond are as follows:

Afghanistan, Cambodia, Democratic People's Republic of Korea, Indonesia, Lao People's Democratic Republic, Malaysia, Mongolia, Myanmar, Nauru, Nepal, Papua New Guinea, Solomon Islands, Sri Lanka and Viet Nam.

2.4 A third State Letter was circulated and five more States responded (Cambodia, LAO People's Democratic Republic, Malaysia, Myanmar and Viet Nam). Although the reporting is 70%, this is still far from satisfactory given the importance of FIRs and SRRs

2.5 Apart from this paper and an update at the ATM/SG/4 (4-8 July 2016), a further round of consultation by State Letter was sent after the SAIOACG/6 meeting. In the event of anomalies, States were urged to confirm whether the draft data was correct or not; however as noted the response from States had been relatively poor. The intention was to clarify any anomalies, so they could be then compared to the ICAO data (**Attachment B** – FIRs, **Attachment C** – SRRs).

2.6 Regarding the SRR data, a large number of SRRs appear to have data anomalies but may be the same dimensions as the associated FIR, so it was decided to focus on the FIR descriptions first. Some States have provided data as well as PfA for the SRR, however requests from the ICAO Regional Office for the SRR charts have not been responded to. As the SRR data and FIR data were different, new charts for SRR are required. Thus the data in **Attachment C** (SRR Descriptions) does not have the same level of maturity as that in **Attachment B** (FIR Descriptions), as many of the SRR dimensions may be copied after the correct data for the FIR is established. However, those SRRs which are noted to be the same as the FIR with no anomalies have the draft lateral dimensions inserted already.

2.7 It should be noted that **Attachment D** (FIRs) and **Attachment E** (SRRs) provide details of the historical data available at the Regional Office for each amendment that was approved either by a Regional Air Navigation (RAN) meeting or a Proposal for Amendment (PfA) to the Regional Air Navigation Plan.

2.8 When conducting initial analysis of State responses, it was noted that with regard to FIR boundaries, common problems were apparent:

- ICAO's Geographic Information Service (GIS) data showed overlapping descriptions;
- Near geographical features such as coastlines, ICAO's GIS data was inaccurate (so States must provide more accurate, surveyed waypoints in these cases);
- Some States appear to have made internal changes to FIR boundaries but it is unclear whether a formal Proposal for Amendment (PfA) had been submitted for the changes, so the ICAO Council could approve this (there is no distinction in the approval process between internal and external changes, except that within sovereign airspace it is unlikely that another State will raise a concern); and
- Some data is not available in the ICAO GIS.

2.9 Japan was the only State with all data correct and supported by a historical record (either a Regional Air Navigation PfA or as an outcome of a Regional Air Navigation (RAN) meeting. Some other States had provided responses, but as can be noted in **Attachment D**, many outstanding questions remain.

2.10 Due to the poor response from States, the status of FIRs had unfortunately been unchanged in the past 12 months. This means unless States responded urgently to the data verification process and all the issues identified, the FIR table would not be able to be submitted in 2017 (even with only a few FIRs). In 2019, the FIR/SRR data review from States were expected to be completed and ICAO planned to use the data in Attachment B and C by publishing it in the eANP. Once published, States would need to file a PfA for any change.

Figure 2 provides an illustration of the status of the FIR review status.

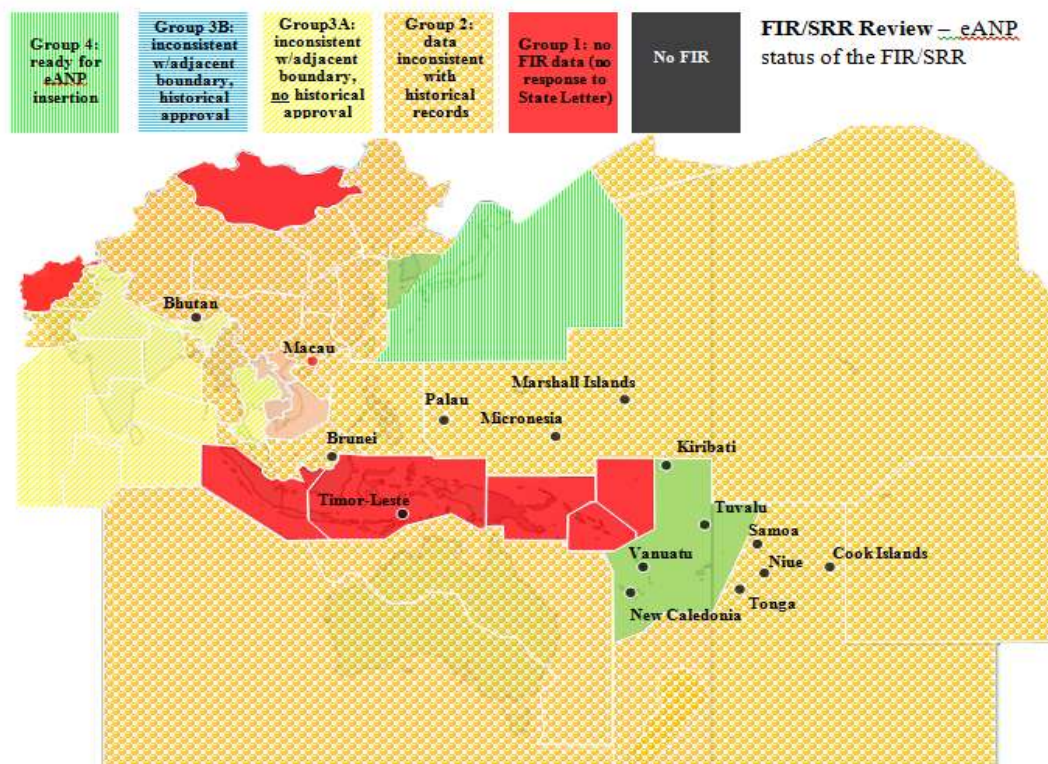


Figure 2: FIR Review Status

2.11 Given the lack of progress, the SAIOACG and SEACG meetings were jointly invited to consider a Draft Conclusion to highlight the need for greater resources and urgency in responding to the FIR/SRR review for the ANP, for further consideration by the ATM/SG/6:

Draft Conclusion SAIOACG/7/SEACG/24-X: FIR/SRR Air Navigation Plan Review			
What:	That, Asia/Pacific States and Administrations having responsibility for the provision of services within a Flight Information Region (FIR) or Aeronautical Search and Rescue Region (SRR), should conduct a review of the ICAO data related to the FIR or SRR and provide a verification to the ICAO Regional Office as early as possible, but in any event not later than 31 December 2017 (to be amended by ATM/SG/6).	Expected impact:	☒ Political / Global ☒ Inter-regional ☐ Economic ☐ Environmental ☒ Ops/Technical
Why:	The poor response from States and Administrations has resulted in insufficient verification of the data for the ANP Volume I FIR and SRR Tables.	Follow-up:	☒ Required from States
When:	3-Aug-18	Status:	Draft to be adopted by Subgroup
Who:	☒ Sub groups ☒ APAC States ☐ ICAO APAC RO ☐ ICAO HQ ☐ Other:		

Designation

- 2.12 The PfA process for FIRs and SRRs are now the same process of approval in the eANP Volume I (approval of the Council), although there appears to be an incongruity with Annex 12, which allows States to ‘delineate’ SRRs without external approval. An excerpt from Annex 12 on the designation of SRRs is below.

2.2 Search and rescue regions

2.2.1 Contracting States shall delineate the search and rescue regions within which they will provide search and rescue services. Such regions shall not overlap and neighbouring regions shall be contiguous.

eANP Timetable

- 2.13 At present the ANP is in the form of pdfs on the website. The electronic ANP (eANP) with full hyperlink and html functionality was expected to be available at the end of 2018.

Proposals for Amendment

- 2.14 A Proposal for Amendment (PfA) Template is provided on the ICAO Asia/Pacific website at: <http://www.icao.int/APAC/APAC%20eANP/ANP%20Amendment%20Template.doc>.

- 2.15 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 proposed for amendment.

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to:
- a) note the information contained in this paper;
 - b) urgently review the FIR/SRR data related to their administration and provide feedback to ICAO on the data’s accuracy;
 - c) note that States should fully respond to ICAO before 31 Dec 2018, before a decision in 2019 is taken to endorse the FIR/SRR data as part of Vol I of the eANP; and
 - d) discuss any relevant matters as appropriate.
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FIR/SRR Review Consultation

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

Japan						NAHA		
Lao PDR	VIENTIANE	VLAO				VIENTIANE		
Malaysia	KOTA KINABALU	WBFC			Yes	KOTA KINABALU		
Malaysia	KUALA LUMPUR	WMFC			Yes	KUALA LUMPUR		
Maldives	MALE	VRMF		Yes	Yes	MALE	Yes	Yes
Mongolia	ULAANBAATAR	ZMUB				ULAANBAATAR		
Myanmar	YANGON	VYYY			Yes	YANGON		
Nauru	NAURU	ANAU			Yes	NAURU		Yes
Nepal	KATHMANDU	VNSM			Yes	KATHMANDU		Yes
New Zealand	AUCKLAND OCEANIC	NZZO	Yes	Yes	Yes	NEW ZEALAND	Yes	Yes
New Zealand	NEW ZEALAND	NZZC	Yes	Yes	Yes			
Pakistan	KARACHI	OPKR			Yes	KARACHI		Yes
Pakistan	LAHORE	OPLR			Yes	LAHORE		Yes
Papua New Guinea	PORT MORESBY	AYPM				PORT MORESBY		
Philippines	MANILA	RPHI		Yes	Yes	MANILA	Yes	Yes
Republic of Korea	INCHEON	RKRR		Yes		INCHEON	Yes	
Singapore	SINGAPORE	WSJC	Yes	Yes	Yes	SINGAPORE	Yes	Yes
Solomon Islands	HONIARA	AGGG				HONIARA		
Sri Lanka	COLOMBO	VCCF			Yes	COLOMBO		Yes
Thailand	BANGKOK	VTBB	Yes		Yes	BANGKOK	Yes	
United States of America	ANCHORAGE OCEANIC		Yes	Yes	Yes	HONOLULU	Yes	Yes
United States of America	OAKLAND OCEANIC		Yes	Yes	Yes	JUNEAU	Yes	Yes
						ELMENDORF		
						SAN FRANCISCO		
Viet Nam	HANOI	VVVV	Yes			HANOI	Yes	
Viet Nam	HO CHI MINH	VVTS	Yes			HO CHI MINH	Yes	

Updated 29 June 2017

Table

FLIGHT INFORMATION REGIONS (FIR)/UPPER INFORMATION REGIONS (UIR) IN THE ASIA/PACIFIC REGIONS

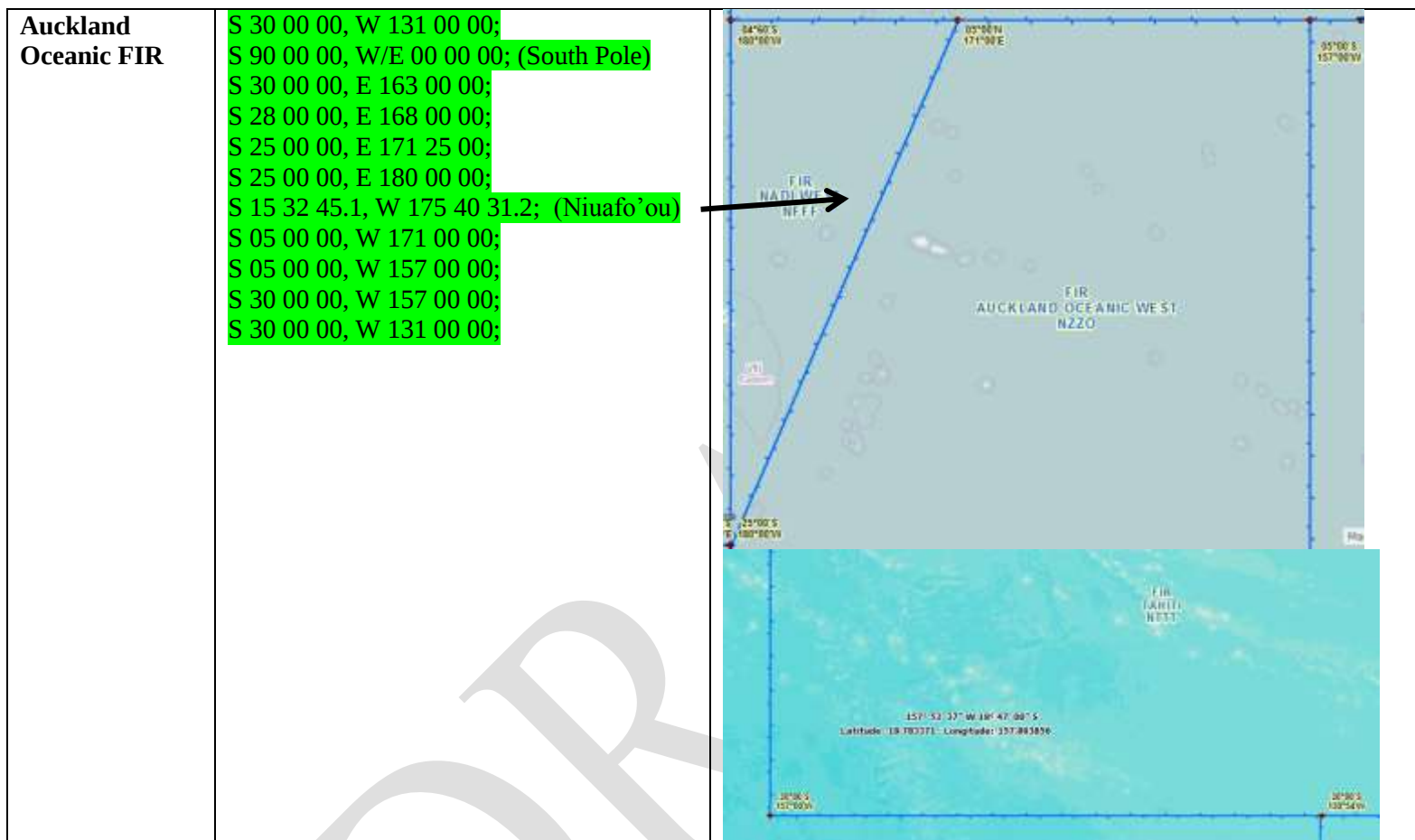
EXPLANATION OF THE TABLE

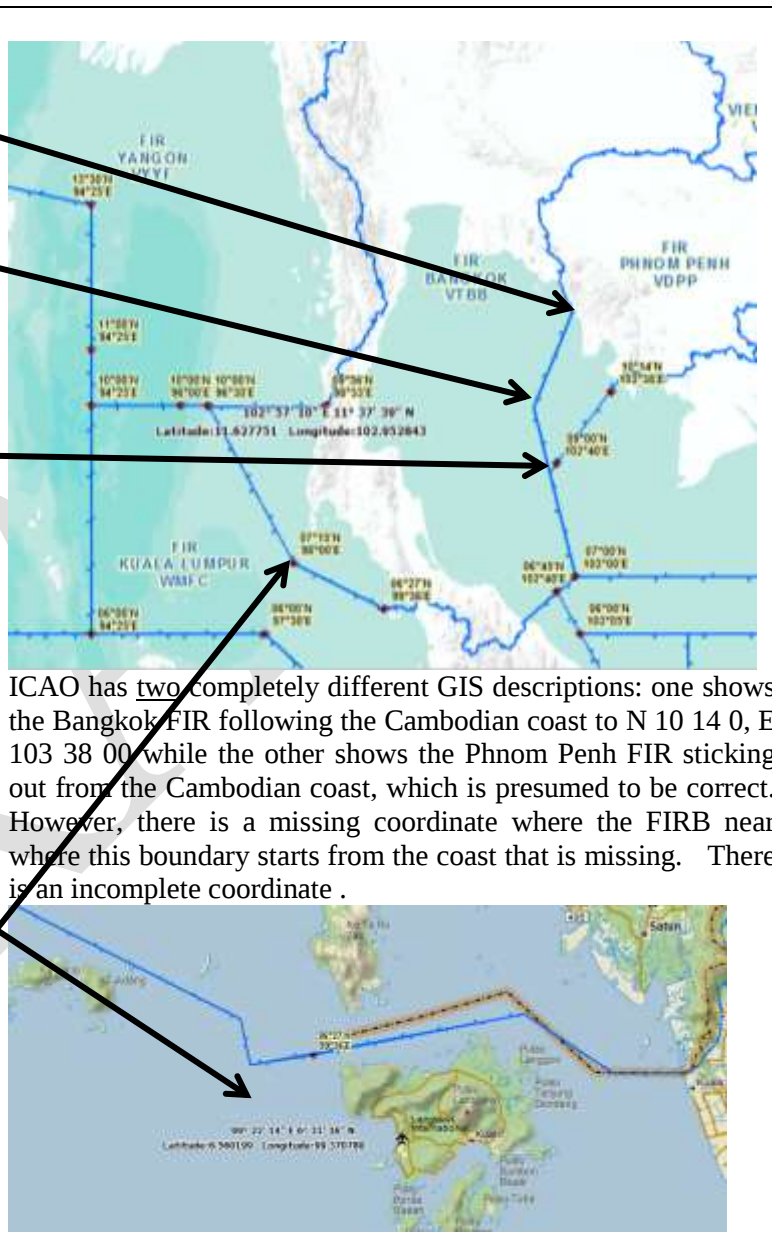
NOTE: THESE FIR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

Column:

- 1 Name of the FIR/UIR / Location Indicator according to Doc 7910
- 2 Description of FIR/UIR lateral limits;
 - a. Describe separately in the table the limits of the UIRs if they are not similar to the FIRs limits.
- 3 Remarks — additional information, if necessary.
 - a. Describe vertical limits if necessary.

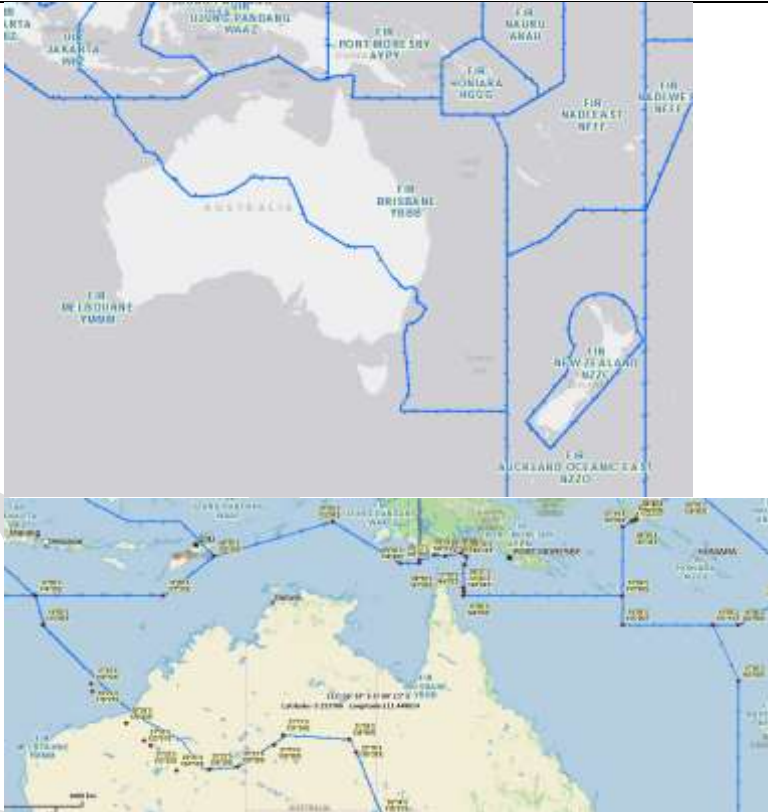
FIR/UIR Location Indicator	Lateral limits coordinates	Remarks
1	2	3
Anchorage Oceanic FIR	N 54 40 09, E 170 00 00; N 51 30 00, E 170 00 00; N 51 05 00, E 173 44 00; N 54 49 00, E 170 12 00; N 51 30 00, E 170 00 00; N 50 08 00, E 176 34 00; N 45 42 00, E 162 55 00; N 50 05 00, E 159 00 00; N 54 00 00, E 169 00 00; N 54 49 00, E 170 12 00; N 54 40 09, E 170 00 00. New coordinates proposed and it will change the adjacent FIR coordinates and has to be coordinated with Anchorage Continental. To provide a new chart for the change.	 The map displays the Anchorage Oceanic FIR with its lateral limits. A proposed new coordinate point is marked at Latitude: 57.809090, Longitude: 159.851300. The map also shows the FIR KODK (R33) to the west. A legend in the top left corner indicates 'FIR Statistic', 'FIR popups', and 'ICAO FIR WORLD'.



Bangkok FIR	N 10 00 10.2, This coordinate supplied by Thailand has no easting and does not align with the boundary shown on GIS at approximately N 11 37 50, E 102 55 14 thence following the national boundary to N 10 00 07.1, E 102 14 47.6; coordinate advised by Thailand may have been amended from N 10 00 00, E 102 15 00 using a WGS-84 converter but without regional agreement to change it it should have stayed as N 10 00 00, E 102 15 00; there is a missing coordinate denoting the corner of the Phnom Penh FIR at approximately N 08 50 25, E 102 32 35 (the point at N 09 00 00, E 102 30 00 is not accurately placed on the corner); N 07 00 00, E 103 00 00; N 06 45 00, E 102 40 00; N 06 15 00, E 102 15 00; this coordinate is not confirmed on the ICAO GIS and the easting appears to be incorrect if it is the national boundary – it should be approximately E 102 05 30 thence following the national boundary to N 06 30 08, E 099 29 49; The GIS data has N 06 27, E 99 36 so it is not clear where the national boundary finishes in the water. If it is here then the Thailand AIP data is incorrect N 07 15 08, E 097 59 50; again this coordinate appears to have been incorrectly converted using WGS-84 and without a regional agreement should have been left as N 07 15 00, E 098 00 00; N 10 00 07, E 096 29 50; this should be N 10 00 00, E 096 30 00 (incorrect WGS conversion);	 ICAO has <u>two</u> completely different GIS descriptions: one shows the Bangkok FIR following the Cambodian coast to N 10 14 0, E 103 38 00 while the other shows the Phnom Penh FIR sticking out from the Cambodian coast, which is presumed to be correct. However, there is a missing coordinate where the FIRB near where this boundary starts from the coast that is missing. There is an incomplete coordinate .
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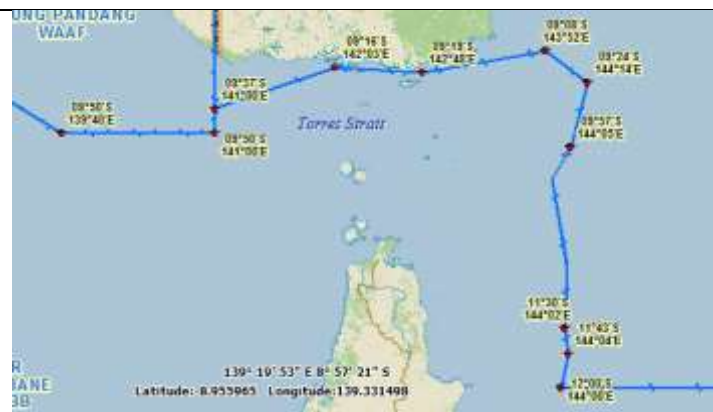
	N 09 56 00, E 98 33 00 (missing coordinate); thence following the national boundary to approximately N 11 37 50, E 102 55 14. N 10 00 10 EASTING?	
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Beijing FIR	N 38 15 00, E 120 00 00; N 37 29 12, E 117 30 00; N 36 40 00, E 115 24 00.0; the GIS data does not reflect these coordinates N 36 04 00, E 113 48 36; N 34 32 00, E 110 15 00; (new corner) N 35 32 00, E 110 18 00; N 37 28 00, E 110 44 00; N 38 22 00, E 110 36 00; N 38 44 00, E 109 41 00; N 40 18 42, E 107 00 12; this coordinate is different from the GIS data (N 40 20, E 107 01) N 40 43 00, E 105 55 00; N 41 44 51, E 105 13 45; thence following the national boundary from N 41 44 51, E 105 13 45 to N 45 23 17, E 115 21 15 this coordinate is different from the GIS data (N 45 25, E 115 19); N 45 23 17, E 115 21 15; N 43 14 42.0, E 117 31 00; this coordinate is different from the GIS data (N 43 15, E 117 31); N 39 54 00, E 119 21 00; N 39 30 00, E 119 52 00; N 38 15 00, E 120 00 00.
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Brisbane FIR	S 14 00 00, E 161 15 00; S 17 40 00, E 163 00 00; GIS states 50 S 45 00 00, E 163 00 00; GIS data missing this coordinate S 45 00 00, E 150 00 00; S 44 33 57, E 150 00 00; GIS states 34 S 43 51 03, E 150 39 53; GIS states S 43 51, E 150 40 S 43 00 00, E 151 00 00; S 38 11 19, E 150 19 14; GIS states S 38 11 E 150 19 S 36 56 43, E 150 45 03; GIS states S 36 57 E 150 45 then along the minor the arc of a circle of 120.00NM radius centred on S 34 57 00, E 150 32 00 (NWA/TAC) from S 36 56 43.0, E 150 45 03.0 arc of a circle anticlockwise to S 35 18 59, E 152 55 50; GIS data S 35 19 E 152 56 S 35 18 59, E 152 55 50; S 34 28 22, E 151 49 29; then along the major arc of a circle of 45.00NM radius centred on S 33 56 38, E 151 10 57.0 (SY/DME) from S 34 28 22.0, E 151 49 29.0 anticlockwise to S 33 25 39, E 150 31 47; GIS data S 33 27 E 150 33 S 33 25 39, E 150 31 47; S 32 05 40, E 148 49 51; GIS data S 32 06 148 50 S 29 00 00, E 146 32 00; S 29 00 00, E 143 30 00; S 26 13 31, E 138 23 24; GIS data S 26 14 E 138 23 S 22 17 51, E 136 38 07; GIS data S 22 18	
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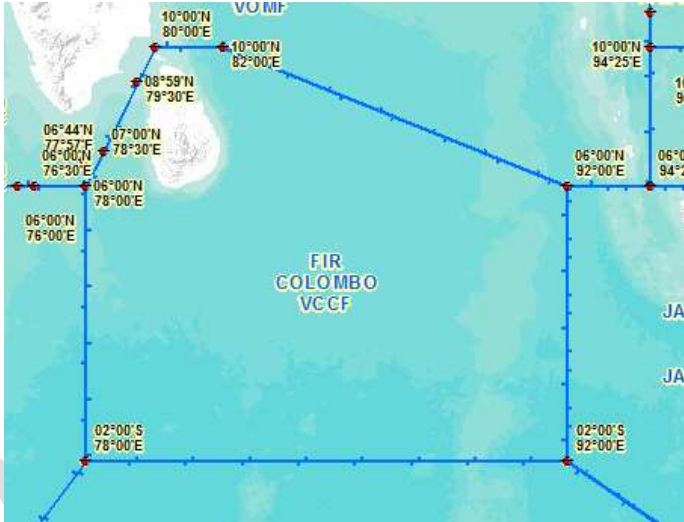
E 136 38	
S 21 51 32, E 136 22 25;	missing on GIS
S 21 29 59, E 136 19 44;	wrong on GIS
S 21 12 09, E 131 50 24;	wrong on GIS
S 23 13 13, E 128 27 49;	wrong on GIS
S 23 23 49, E 126 03 32;	wrong on GIS
S 21 31 19, E 124 33 04;	wrong on GIS
S 20 03 18, E 121 40 22;	wrong on GIS
S 19 00 00, E 120 15 00;	wrong on GIS
S 14 08 13, E 115 08 32;	GIS data S 14 08
E 115 09	
S 14 08 13, E 115 08 32;	duplicate
S 12 00 00, E 114 30 00;	
S 12 00 00, E 123 20 00;	
S 09 20 00, E 126 50 00;	
S 07 00 00, E 135 00 00;	
S 09 50 00, E 139 40 00;	
S 09 50 00, E 141 00 00;	
S 09 37 00, E 141 01 06;	GIS data S 09 37
E 141	
S 09 15 42, E 142 03 30;	GIS data S 09 16
142 03	
S 09 12 48, E 142 06 24;	wrong on GIS
S 09 11 54, E 142 08 36;	wrong on GIS
S 09 12 00, E 142 10 18;	wrong on GIS
S 09 11 24, E 142 12 54;	wrong on GIS
S 09 11 36, E 142 14 06;	wrong on GIS
S 09 13 54, E 142 16 24;	wrong on GIS
S 09 16 06, E 142 20 42;	wrong on GIS
S 09 22 06, E 142 29 42;	wrong on GIS
S 09 21 48, E 142 31 30;	wrong on GIS
S 09 22 36, E 142 33 30;	wrong on GIS
S 09 21 24, E 142 35 30;	wrong on GIS
S 09 20 24, E 142 41 42;	wrong on GIS
S 09 20 18, E 142 43 54;	wrong on GIS
S 09 19 24, E 142 48 18;	GIS data S 09 19
E 142 48	

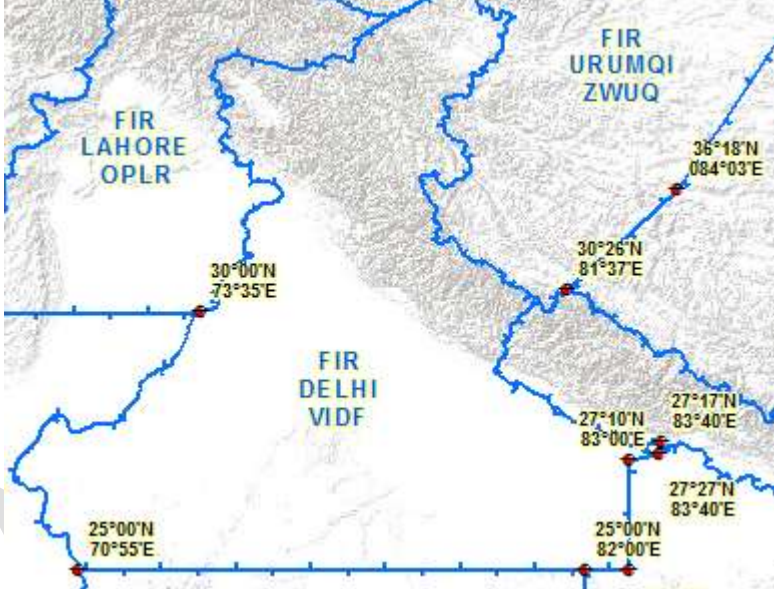
S 09 08 00, E 143 52 30; GIS data S 09 08 143 52	
S 09 24 00, E 144 14 00; wrong on GIS	
S 09 56 34, E 144 05 21; GIS 09 57 E 144 05	
S 10 05 15, E 143 58 52; wrong on GIS	
S 10 08 50, E 143 57 11; wrong on GIS	
S 10 17 51, E 143 54 45; wrong on GIS	
S 10 22 44, E 143 55 25; wrong on GIS	
S 10 26 38, E 143 54 24; wrong on GIS	
S 10 31 10, E 143 54 41; wrong on GIS	
S 10 34 57, E 143 55 36; wrong on GIS	
S 10 41 14, E 143 58 10; wrong on GIS	
S 10 46 41, E 143 59 59; wrong on GIS	
S 10 52 05, E 144 00 46; wrong on GIS	
S 10 59 00, E 144 02 00; wrong on GIS	
S 11 02 24, E 144 02 33; wrong on GIS	
S 11 06 37, E 144 03 51; wrong on GIS	
S 11 11 07, E 144 04 21; wrong on GIS	
S 11 14 13, E 144 03 38; wrong on GIS	
S 11 15 10, E 144 03 07; wrong on GIS	
S 11 29 35, E 144 01 31; GIS data S 11 30 E 144 02	
S 11 30 00, E 144 01 36; wrong on GIS	
S 11 43 30, E 144 04 20; GIS data S 11 43 E 144 04	
S 12 00 00, E 144 00 00;	
S 12 00 00, E 155 00 00;	
S 14 00 00, E 155 00 00;	
S 14 00 00, E 161 15 00.	



It appears that the Australian data is more current than the GIS data, much of which is rounded up, but there are also significant deviations from the information ICAO holds so there needs to be a reconsilation with the PfAs Australia has submitted.

Chennai FIR	N 13 30 00, E 094 25 00; GIS has superfluous coordinate N 11 00 E 94 25 N 06 00 00, E 094 25 00; N 06 00 00, E 092 00 00; N 10 00 00, E 082 00 00; N 10 00 00, E 080 00 00; GIS has extra coordinates N 08 59 E 79 30; N 0700 E 78 30 N 06 00 00, E 078 00 00; GIS has extra coordinate N 06 00 E 76 00 N 06 00 00, E 074 00 00; N 07 30 00, E 074 00 00; N 07 30 00, E 072 00 00; N 15 00 00, E 072 00 00; N 15 00 00, E 073 35 00; GIS inconsistent N 16 17 00, E 073 00 00; GIS inconsistent N 16 22 00, E 073 34 00; GIS inconsistent N 16 26 00, E 074 11 00; GIS inconsistent N 16 36 00, E 075 28 00; GIS inconsistent N 16 40 00, E 076 00 00; GIS inconsistent N 18 00 00, E 076 00 00; GIS inconsistent N 19 19 00, E 076 00 00; GIS inconsistent N 19 43 00, E 077 10 00; GIS inconsistent N 18 43 00, E 082 00 00; GIS inconsistent N 18 41 00, E 082 49 00; GIS inconsistent N 15 42 00, E 085 54 00; GIS inconsistent N 14 00 00, E 092 00 00; N 13 30 00, E 094 25 00.	 It appears that changes have been made to the Chennai FIR without the GIS data being updated.
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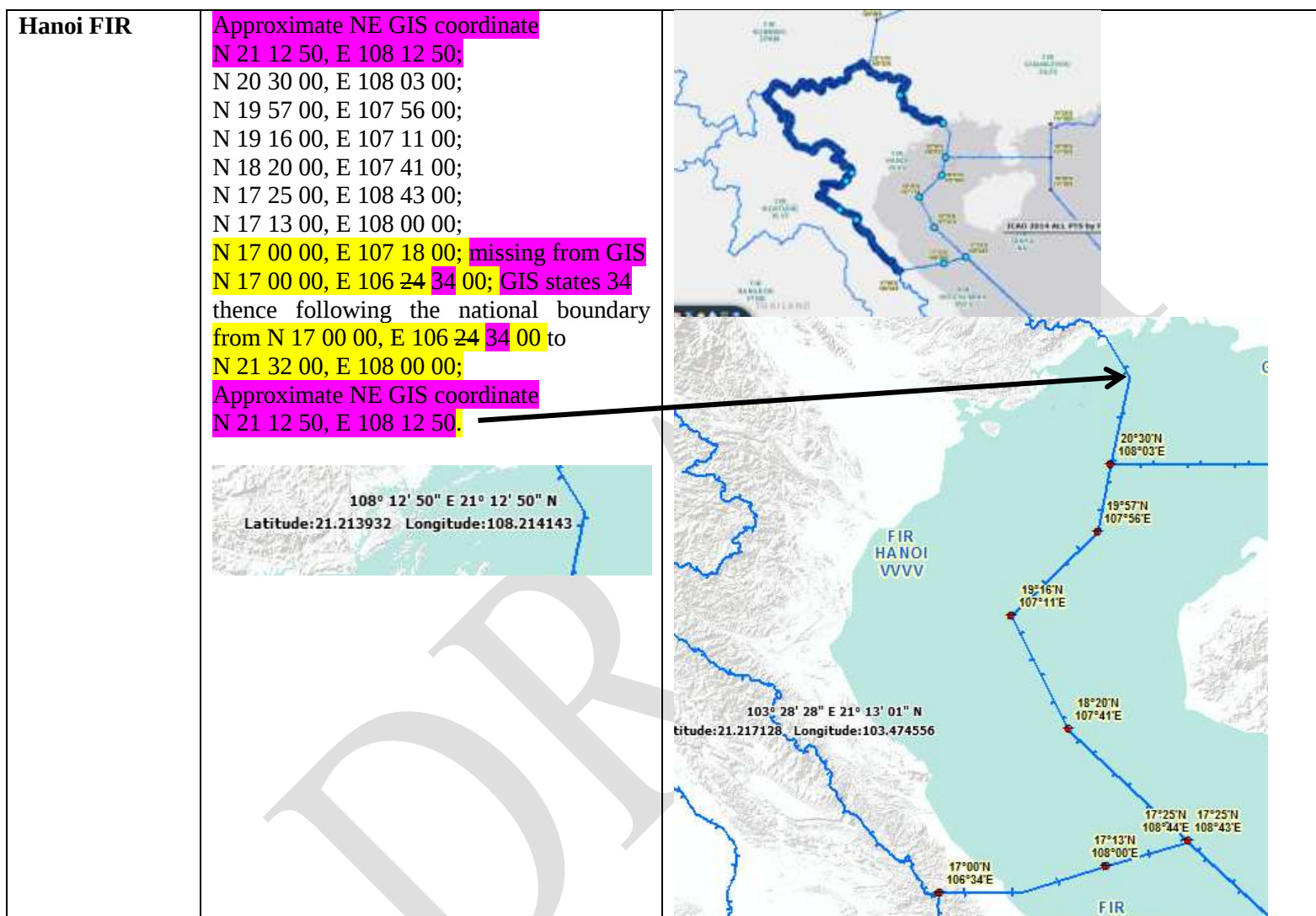
Colombo FIR (Coordinate correct as per the Sri Lanka Letter ref: DM/SD/5/1-2-2-2 (CA/15/0354) dated June 30, 2015)	100000N 0800000E 100000N 0820000E 060000N 0920000E 020000S 0920000E 020000S 0780000E 060000N 0780000E 060000N 0763000E(superflous) 070000N 0783000E (superflous) 100000N 0800000E	
Delhi FIR	N 27 25 00, E 083 40 00; inconsistent with GIS and not certain if it is consistent with the national boundary N 27 15 00, E 083 40 00; inconsistent with GIS N 27 10 00, E 083 00 00; N 25 00 00, E 083 00 00; N 25 00 00, E 070 55 00; thence following the national boundary from N 25 00 00, E 070 55 00 to N 27 25 00, E 083 40 00.	

		
Dhaka FIR	N 21 57 00.0, E 092 32 00.0; Missing coordinate N 21 00 00.0, E 092 00 00.0; N 21 38 00.0, E 089 10 00.0; thence following the national boundary to N 22 09 00.0, E 092 37 00.0; N 21 57 00.0, E 092 32 00.0.	

Fukuoka FIR	N 50 05 00, E 159 00 00; N 45 42 00, E 162 55 00; N 43 00 00, E 165 00 00; N 27 00 00, E 165 00 00; N 27 00 00, E 155 00 00; N 21 00 00, E 155 00 00; N 21 00 00, E 121 30 00; N 23 30 00, E 124 00 00; N 30 00 00, E 124 00 00; N 30 00 00, E 125 25 00; N 32 30 00, E 126 50 00; N 32 30 00, E 127 30 00; N 34 40 00, E 129 10 00; N 37 30 00, E 133 00 00; N 38 00 00, E 133 00 00; N 38 38 00, E 133 39 00; N 40 30 00, E 135 56 00; N 45 45 00, E 140 00 00; N 45 45 00, E 142 00 00; N 44 30 00, E 145 40 00; following the national boundary between Hokkaido and Kunashiri Islands from N 44 N 30 00.0, E 145 40 00.0 to N 43 20 00, E 145 50 00; N 43 20 00, E 145 50 00; N 43 00 00, E 146 50 00; N 45 00 00, E 150 00 00; N 50 05 00, E 159 00 00.	
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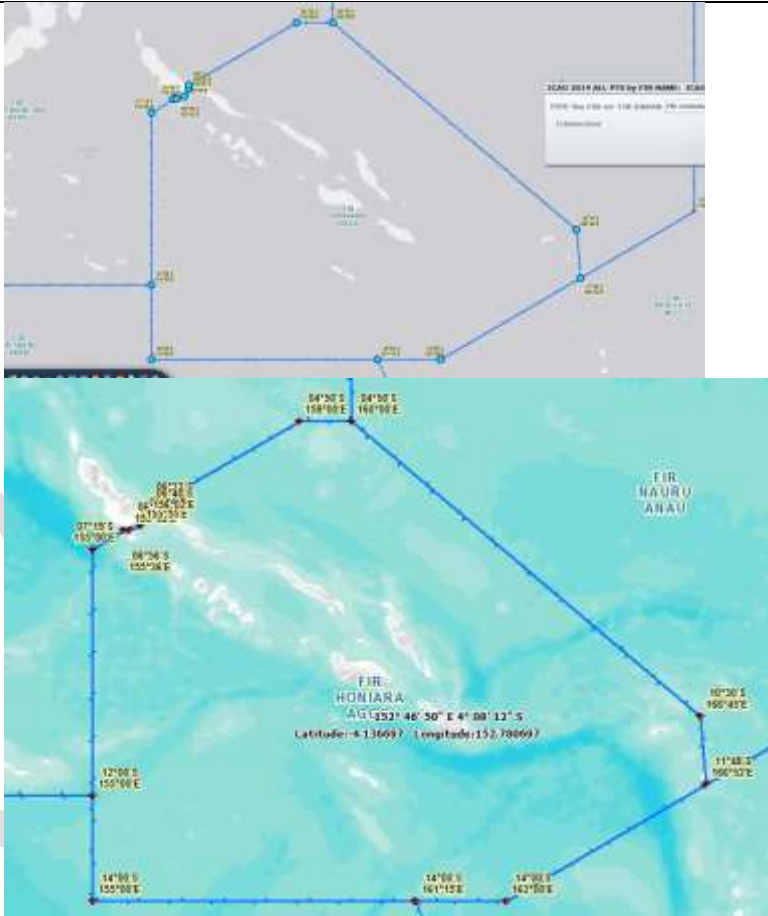
Guangzhou FIR	N 29 02 00, E 114 34 00; N 26 42 00, E 113 57 00; N 26 03 00, E 114 07 00; N 25 46 00, E 114 52 24; inconsistent with GIS N 25 05 30, E 115 25 00; inconsistent with GIS N 24 40 24, E 115 24 30; inconsistent with GIS N 24 22 00, E 116 42 00; N 23 42 00, E 117 11 00; missing point N 23 36 36, E 117 19 40; N 23 30 00, E 117 30 00; Hong Kong boundary N 23 00 00, E 117 30 00; Hong Kong boundary N 22 24 30, E 115 40 00; ? N 22 24 30, E 114 30 00; E of Hong Kong thence following the Hong Kong SAR boundary to N 22 21 30, E 113 52 00; W of Hong Kong N 19 30 00, E 111 30 00; Hong Kong boundary N 20 30 00, E 111 30 00; N 20 30 00, E 108 03 00; N 21 12 35, E 108 12 31; following the national boundary from N 21 12 35, E 108 12 31 to N 23 11 45, E 105 32 30; GIS data N 23 11 E 105 32 N 23 11 45, E 105 32 30; N 24 39 00, E 105 48 00; N 25 42 00, E 107 39 00; inconsistent with GIS N 26 35 00, E 109 19 00; inconsistent with GIS N 28 47 00, E 109 23 00; inconsistent with	
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Ho Chi Minh FIR	N 16 40 00, E 114 00 00; this coordinate is on the Sanya/Manila FIRB? N 14 30 00, E 114 00 00; N 10 30 00, E 114 00 00; N 07 00 00, E 108 00 00; N 07 00 00, E 103 00 00; N 09 00 00, E 102 40 00; N 10 14 00, E 103 38 00; ? check PfA N 10 22 00, E 103 44 00; thence following the national boundary from N 10 14 00, E 103 38 00?? N 10 22 00, E 103 44 00 to N 17 00 00, E 106 24 34 00; stated as 24 minutes but GIS shows more accurately as 34 N 17 13 00, E 108 00 00; N 17 00 00, E 107 18 00; missing from GIS N 17 13 00, E 108 00 00; N 17 25 00, E 108 43 00; N 17 40 00, E 109 40 00; this coordinate is within the Sanya FIR? N 17 00 00, E 111 30 00; this coordinate is within the Sanya FIR? N 17 00 00, E 114 15 00; this coordinate is within the Hong Kong FIR? N 14 30 00, E 112 00 00; N 14 30 00, E 114 00 00.	
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Hong Kong FIR	Kong N 23 40 00, E 117 30 00; N 21 00 00, E 117 30 00; N 16 40 00, E 114 00 00; N 19 30 00, E 111 30 00; N 21 25 00, E 111 30 00; ? this coordinate does not appear to be 3NM offshore thence following Special Administrative Region boundary to 3NM off-shore and the northern boundary of the Macao and the Hong Kong Special Administrative Region to N 23 40 00, E 117 30 00. This point is not shown correctly on the GIS – check PFA 	 
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Honiara FIR	S 10 30 00, E 166 45 00; S 11 48 00, E 166 52 00; S 14 00 00, E 163 00 00; S 14 00 00, E 161 15 00; superfluous S 14 00 00, E 155 00 00; S 12 00 00, E 155 00 00; superfluous S 07 19 00, E 155 00 00; S 06 56 00, E 155 36 00; S 06 56 00, E 155 42 00; S 06 51 00, E 155 55 00; S 06 40 00, E 156 02 00; E 06 33 00, E 156 02 00; S 04 50 00, E 159 00 00; missing coordinate S 04 50 00, E 160 00 00; missing coordinate S 10 30 00, E 166 45 00; S 10 30 00, E 166 45 00.	
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Incheon FIR	N 38 38 00, E 128 22 00; N 38 38 00, E 133 39 00; N 38 00 00, E 133 00 00; N 37 30 00, E 133 00 00; N 34 40 00, E 129 10 00; N 32 30 00, E 127 30 00; N 32 30 00, E 126 50 00; N 30 00 00, E 125 25 00; N 30 00 00, E 124 00 00; N 38 00 00, E 124 00 00; N 38 00 00, E 124 51 00; N 38 00 00, E 124 51 00; following the national boundary to N 38 38 00, E 128 22 00.	
Jakarta FIR	N 01 16 00, E 113 37 00; S 03 00 00, E 110 23 00; S 08 20 00, E 110 23 00; S 12 00 00, E 114 30 00; S 12 00 00, E 110 00 00; superfluous S 12 00 00, E 107 00 00; S 02 00 00, E 092 00 00; N 06 00 00, E 092 00 00; N 06 00 00, E 094 25 00; superfluous N 06 00 00, E 097 30 00; N 01 38 00, E 102 20 00; coordinate is inaccurate, should be approx N 01 38 49, E 102 09 54; the arc of a circle of 100 NM centred on Singapore (coordinates?), anti-clockwise from approx N 01 38 49, E 102 09 54 to approx N/S 00 00 00, E 104 46; N/S 00 00 00, E 105 10 00; S 00 50 00, E 106 00 00; N/S 00 00 00, E 108 00 00; missing coordinate	

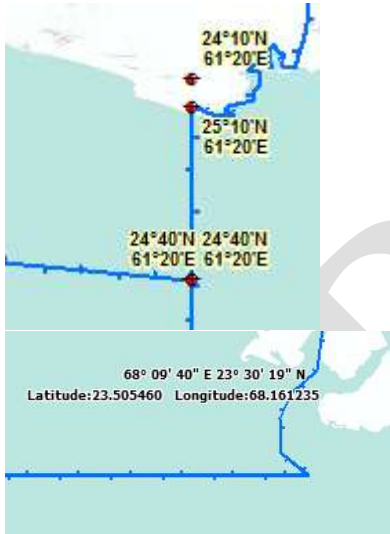
N/S 00 00 00, E 109 10 00; missing
coordinate (need to check if it is on the
coast);
following the coast and the national
boundary from N/S 00 00 00, E 109 10 00
to
N 01 00 00, E 108 58 00; superfluous
N 01 16 00, E 113 37 00.



Kabul FIR

N 30 00 00, E 066 19 00
 N 37 12, E 67 47 00;
 following the national boundary to
 N 30 00 00, E 066 19 00
 N 37 12, E 67 47 00.

The map displays the Kabul FIR (Flight Information Region) with its national boundary. Key locations and coordinates are marked: ASHGABAT UTAA, FIR TURKME NABAT UTAA, FIR DUSHANBE UTOD, FIR KABUL (DAAK), FIR LANDSE OPLR, and DASHKATUT. The map includes a scale bar (0 to 100 km) and a coordinate grid. A black arrow points from the text 'following the national boundary to' to the boundary line on the map.

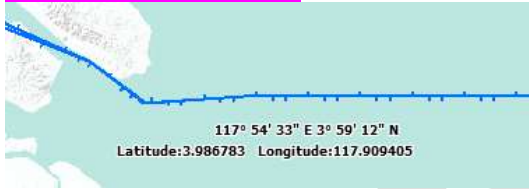
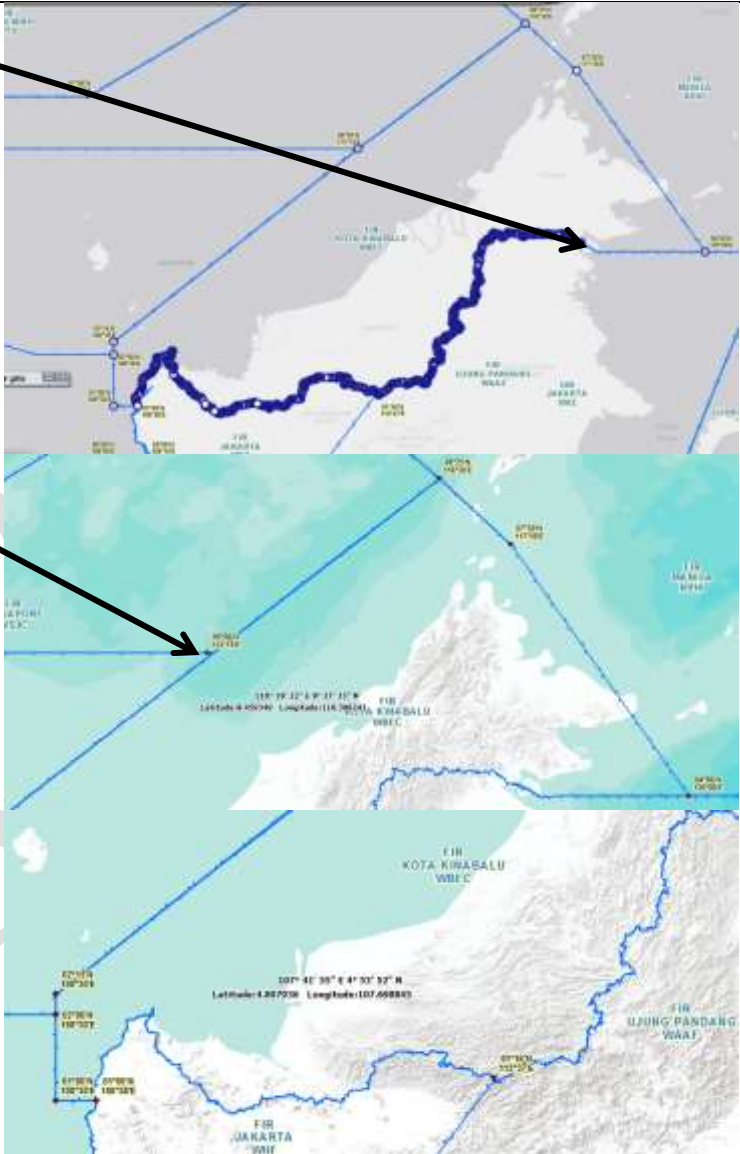
Karachi FIR	N 30 00 00, E 073 35 00; following the national boundary from N 30 00 00, E 073 35 00 to N 23 30 00 E 068 10 00 (Indian data); N 25 00 00, E 070 55 00; superfluous N 23 30 00, E 064 30 00; superfluous N 23 30 00, E 061 20 00; N 24 40 00, E 061 20 00; superfluous N 25 10 00, E 061 20 00; following the national boundary from N 25 10 00, E 061 20 00 to N 30 00 00, E 066 19 00; N 30 00 00, E 073 35 00.  24°10'N 61°20'E 25°10'N 61°20'E 24°40'N 24°40'N 61°20'E 61°20'E 68° 09' 40" E 23° 30' 19" N Latitude:23.505460 Longitude:68.161235	 24°10'N 61°20'E 25°10'N 61°20'E 24°40'N 24°40'N 61°20'E 61°20'E 68° 09' 40" E 23° 30' 19" N Latitude:23.505460 Longitude:68.161235
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Kathmandu FIR	N 30 26 00, E 081 37 00; following the national boundary from N 30 26 00, E 081 37 00 to N 27 17 00, E 083 40 00; N 30 26 00, E 081 37 00 N 30 26 00, E 081 37 00.	
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Kolkata FIR	N 21 00 00 E 092 00 00; N 14 00 00 E 092 00 00; N 15 42 00 E 085 54 00; GIS inconsistent N 18 41 00 E 082 49 00; GIS inconsistent N 18 43 00 E 082 00 00; GIS inconsistent N 25 00 00 E 082 00 00; N 25 00 00 E 083 00 00; N 27 10 00 E 083 00 00; N 27 15 00 E 083 40 00; GIS inconsistent – the FIRB on the GIS is showing it meets the national boundary about N 27 26, E 083 40 Then following the national boundary from approx N 27 26, E 083 40 to , E 088 00 00 thence following the national boundary to N 21 57 00 E 092 32 00; thence following the national boundary to N 26 00 00 E 088 00 00; EASTING?, E 088 00 00; EASTING? E 083 40 00; thence following the national boundary to EASTING? E 088 00 00; N 26 00 00 E 088 00 00; thence following the national boundary to N 26 00 00, EASTING? thence following the national boundary to N 21 38 00 E 089 10 00; N 21 00 00 E 092 00 00.  The coordinate labelled as N 27 27 is in fact at N 27 17 (The GIS is wrong)!	
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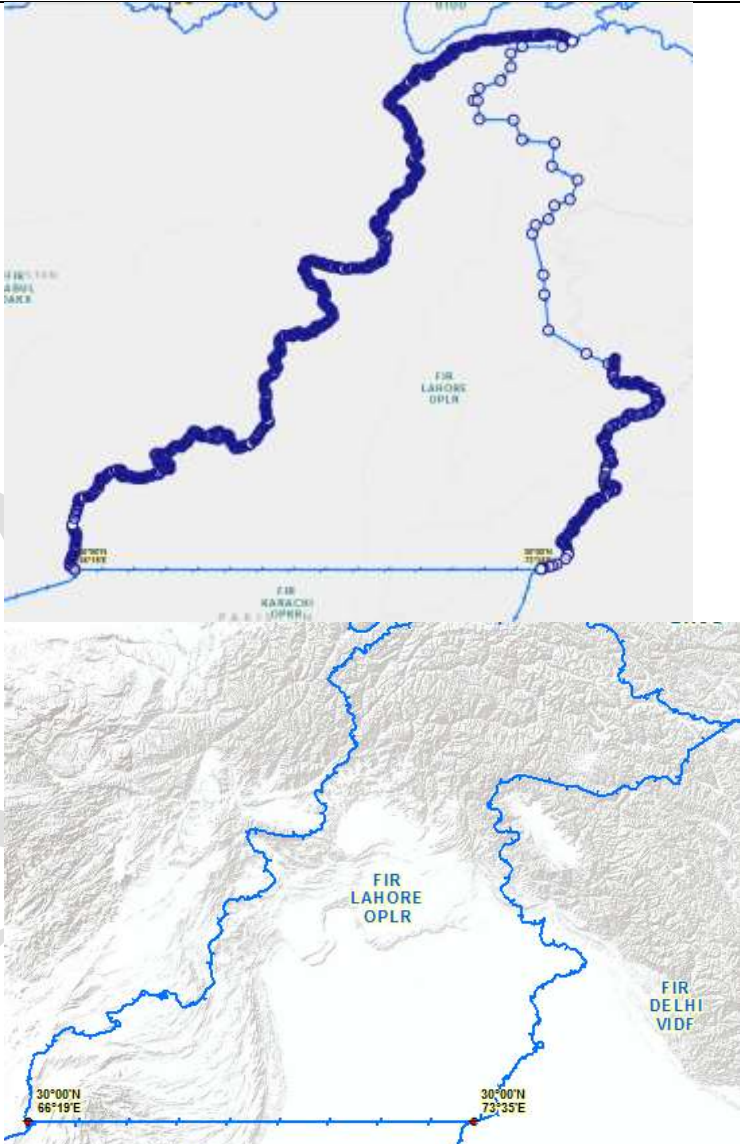
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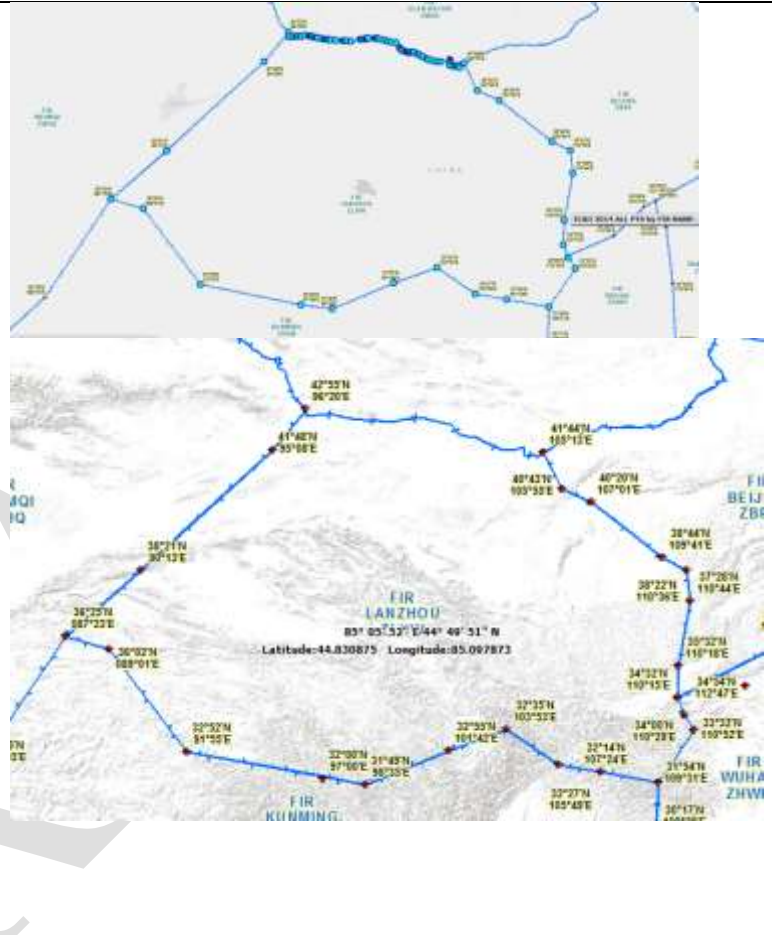
DRAFT

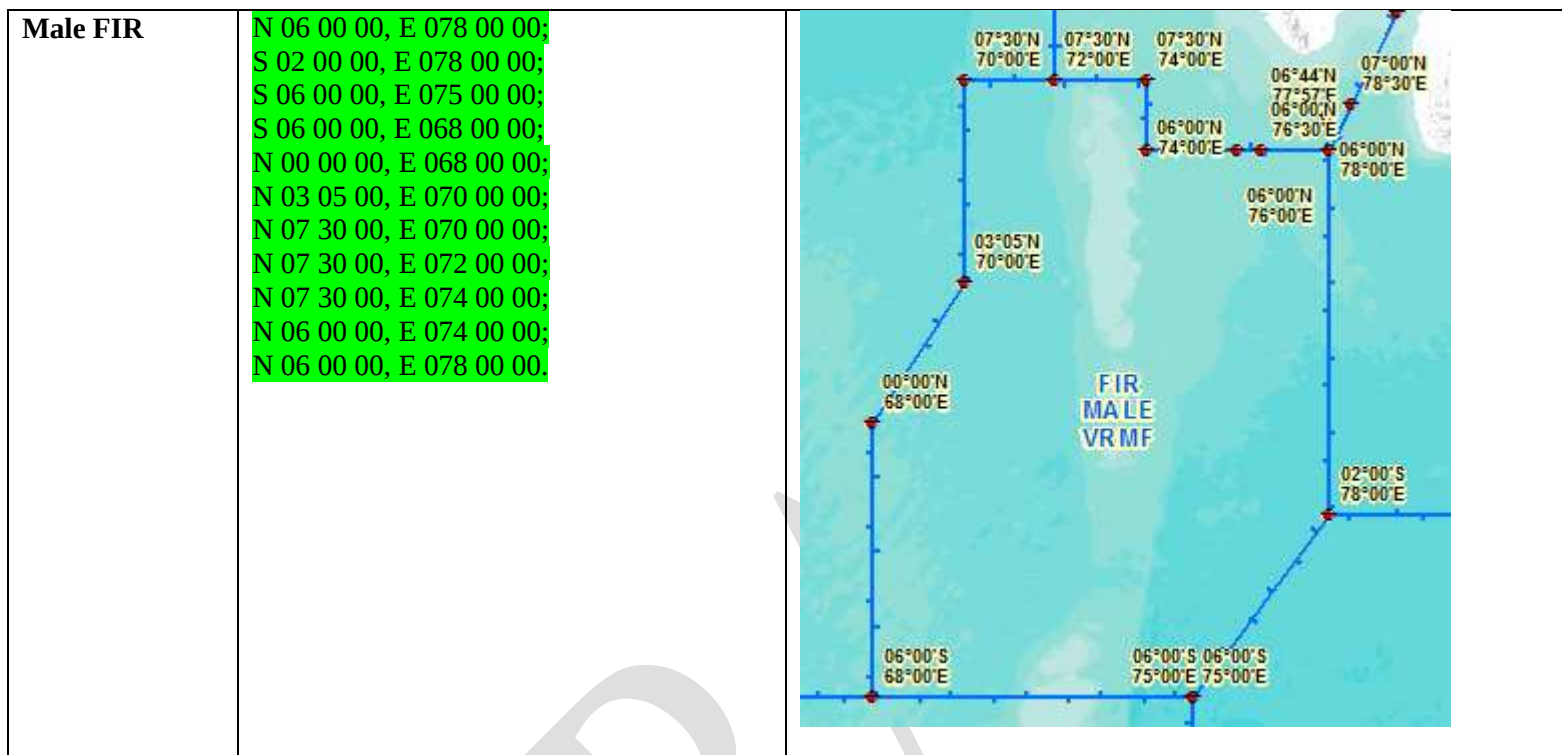
Kota Kinabalu FIR	N 04 00 00, E 120 00 00; N 03 59 12, E 117 54 33; (approx GIS for missing coordinate) thence following the national boundary from N 03 59 12, E 117 54 33 (approx) to N 01 16 00, E 113 37 00; superfluous coordinate thence following the national boundary to N 01 00 00, E 108 58 00; N 01 00 00, E 108 30 00; N 02 00 00, E 108 30 00; superfluous coordinate N 02 15 00, E 108 30 00; N 06 00 00, E 113 15 00; E 113 19 29 according to GIS measurement-check N 08 25 00, E 116 30 00; N 07 30 00, E 117 30 00; N 07 30 00, E 117 30 00; N 04 00 00, E 120 00 00. 	
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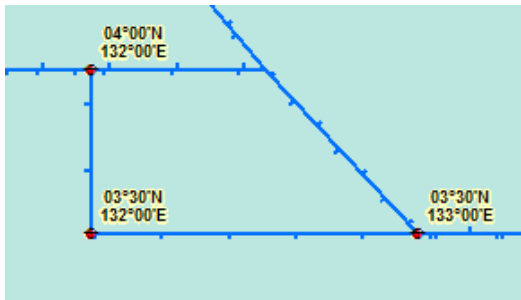
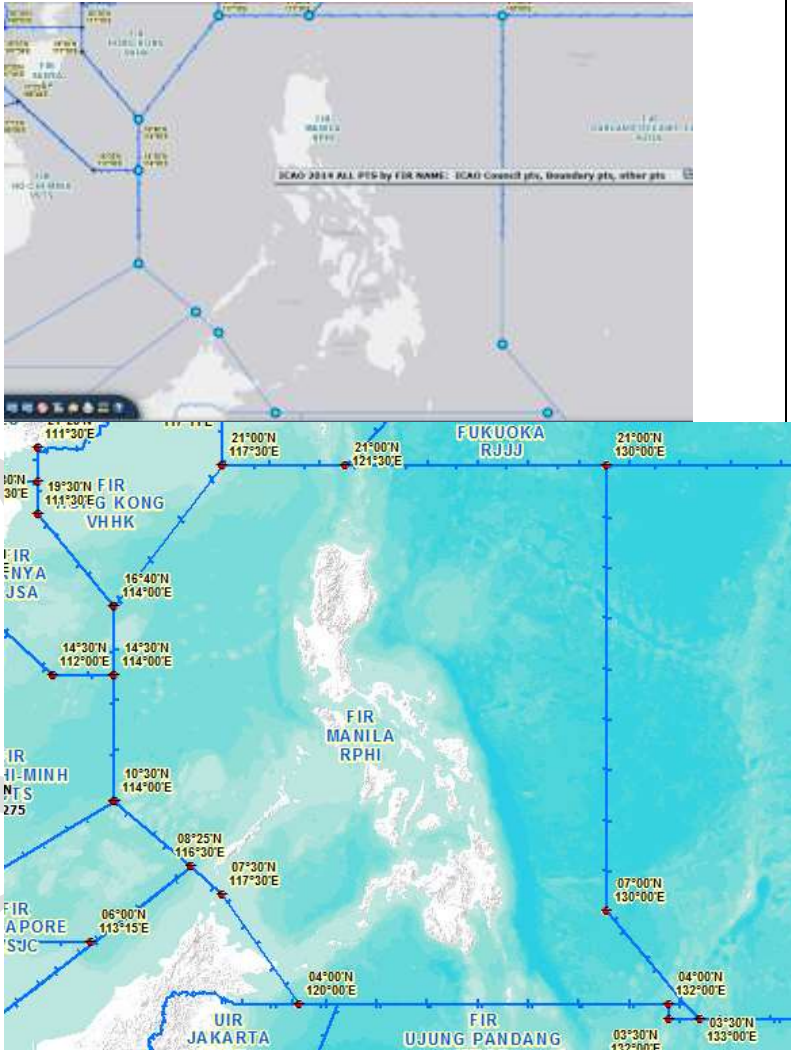
Kuala Lumpur FIR	N 06 45 00, E 102 40 00; N 06 00 00, E 103 05 00; N 04 50 00, E 103 44 00; N 03 40 00, E 103 40 00; N 02 36 00, E 104 45 00; N 01 20 00, E 104 20 00; thence following the national boundary from N 01 20 00, E 104 20 00 to N 01 13 00, E 103 30 00; N 01 38 00, E 102 20 00; this coordinate appears to be inaccurate should be N 01 38 49, E 102 09 54 (approx); N 06 00 00, E 097 30 00; N 06 00 00, E 094 25 00; N 10 00 00, E 094 25 00; N 10 00 00, E 096 00 00; superfluous N 10 00 00, E 096 30 00; N 07 15 00, E 098 00 00; N 06 27 00, E 099 36 00; N 06 30 08, E 099 29 49; according to Thailand-check thence following the national boundary from N 06 30 08, E 099 29 49 to N 06 15 00, E 102 05 30; approx –check; N 06 45 00, E 102 40 00. 	
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Kunming FIR	N 31 54 00, E 109 31 00; N 30 17 00, E 109 29 00; missing coordinate? N 29 31 00, E 109 24 00; N 28 47 00, E 109 23 00; inconsistent with GIS N 27 53 00, E 109 19 00; missing coordinate? N 26 41 00, E 109 12 00 inconsistent with GIS N 26 41 00, E 109 12 00; missing coordinate? N 26 35 00, E 109 19 00; inconsistent with GIS N 25 42 00, E 107 39 00; inconsistent with GIS N 24 39 00, E 105 48 00; N 23 11 45, E 105 32 30; thence following the national boundary from N 23 11 45, E 105 32 30 to N 30 26 30, E 081 37 30; N 32 18 06, E 084 03 18; N 36 25 00, E 087 23 00; N 36 02 00, E 089 01 00; N 32 52 00, E 091 55 00; N 31 49 00, E 098 35 00; N 32 55 00, E 101 42 00; N 33 35 00, E 103 53 00; N 32 27 00; E 105 49 00; N 32 14 00; E 107 24 00; N 31 54 00, E 109 31 00.	
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Lahore FIR	N 30 00 00, E 073 35 00; N 30 00 00, E 066 19 00; thence following the national boundary to N 30 00 00, E 073 35 00.	
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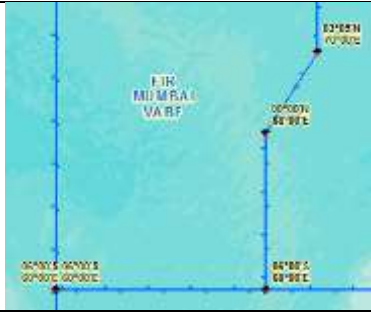
Lanzhou FIR	N 41 44 51, E 105 13 45; N 40 43 00, E 105 55 00; N 40 18 42, E 107 00 12; GIS inconsistent shows N 40 20, E 107 01 N 38 44 00, E 109 41 00; N 38 22 00, E 110 36 00; N 37 28 00, E 110 44 00; N 35 32 00, E 110 18 00; N 34 32 00, E 110 15 00; N 34 05 00, E 110 29 00; GIS point not connected with FIRB N 34 00, E 110 29 N 33 32 00, E 110 52 00; N 31 54 00, E 109 31 00; N 32 14 00, E 107 24 00; N 32 27 00, E 105 49 00; N 33 35 00, E 103 53 00; N 32 55 00, E 101 42 00; N 31 49 00, E 098 35 00; GIS point not connected with FIRB N 32 00, E 097 00 N 32 52 00, E 091 55 00; N 36 02 00, E 089 01 00; N 36 25 00, E 087 23 00; N 38 21 00, E 090 13 00; N 41 48 00, E 095 08 00; N 42 55 00, E 096 20 14; thence following the national boundary from N 42 55 00, E 096 20 14 to N 41 44 51, E 105 13 45.	
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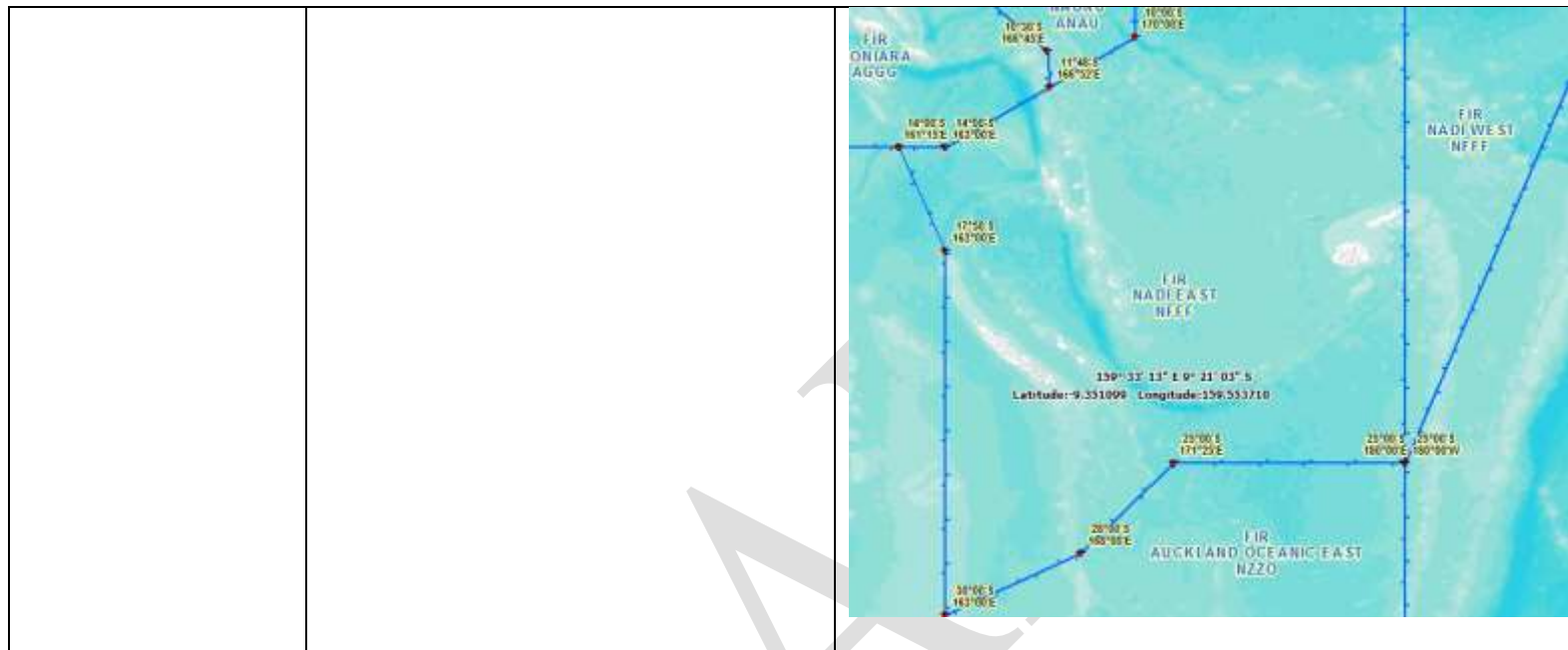


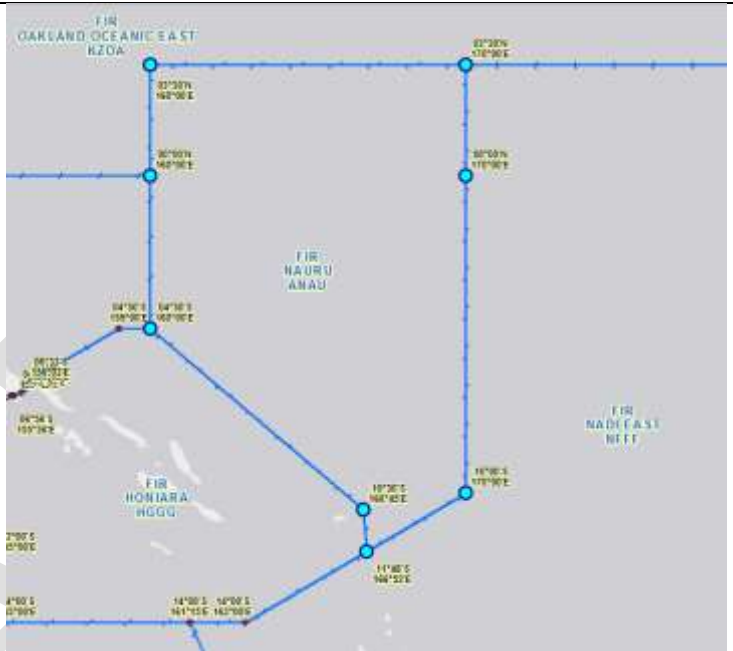
Manila FIR	N 21 00 00, E 130 00 00; N 07 00 00, E 130 00 00; N 03 30 00, E 133 00 00; check this coordinate – it makes a strange corner N 03 30 00, E 132 00 00; check this coordinate – it makes a strange corner with Ujung Pandang N 04 00 00, E 132 32 00; GIS states E 132 00 N 04 00 00, E 120 00 00; N 07 30 00, E 117 30 00; N 08 25 00, E 116 30 00; N 10 30 00, E 114 00 00; N 14 30 00, E 114 00 00; superfluous N 16 40 00, E 114 00 00; N 21 00 00, E 117 30 00; N 21 00 00, E 130 00 00. 	
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Melbourne FIR	S 29 00 00, E 146 32 00; S 32 05 40, E 148 49 51; S 33 25 39, E 150 31 47; the arc of a circle of 45NM radius centred on S 33 56 38, E 151 10 57; (SY/DME) from S 33 25 39, E 150 31 47 clockwise to S 34 28 22, E 151 49 29; S 35 18 59, E 152 55 50; the arc of a circle of 120NM radius centred on S 34 57 00, E 150 32 00 (NWA/TAC) from S 35 18 59, E 152 55 50 clockwise to S 36 56 43, E 150 45 03; GIS inconsistent S 38 11 19, E 150 19 14; S 43 00 00, E 151 00 00; S 43 51 03, E 150 39 53; S 44 33 57, E 150 00 00; S 45 00 00, E 150 00 00; S 45 00 00, E 163 00 00; S 90 00 00, E 135 00 00 W/E 000 00 00; (South Pole) S 06 00 00, E 075 00 00; S 02 00 00, E 078 00 00; S 02 00 00, E 092 00 00; S 12 00 00, E 107 00 00; S 12 00 00, E 114 30 00; S 14 08 13, E 115 08 32; S 19 00 00, E 120 15 00; GIS inconsistent S 20 03 18, E 121 40 22; GIS inconsistent S 21 31 19, E 124 33 04; GIS inconsistent S 23 23 49, E 126 03 32; GIS inconsistent S 23 13 13, E 128 27 49; GIS inconsistent S 21 12 09, E 131 50 24; GIS inconsistent S 21 29 59, E 136 19 44; GIS inconsistent S 21 51 32, E 136 22 25; GIS inconsistent S 22 17 51, E 136 38 07; S 26 13 31, E 138 23 24; S 29 00 00, E 143 30 00;	
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	S 29 00 00, E 146 32 00.	
Mumbai FIR	N 25 00 00, E 082 00 00; N 18 43 00, E 082 00 00; not shown on GIS N 19 43 00, E 077 10 00; not shown on GIS N 19 19 00, E 076 00 00; not shown on GIS N 18 00 00, E 076 00 00; superfluous N 16 40 00, E 076 00 00; not shown on GIS N 16 36 00, E 075 28 00; not shown on GIS N 16 26 00, E 074 11 00; not shown on GIS N 16 22 00, E 073 34 00; not shown on GIS N 16 17 00, E 073 00 00; not shown on GIS N 15 00 00, E 073 35 00; not shown on GIS N 15 00 00, E 072 00 00; N 07 30 00, E 072 00 00; N 07 30 00, E 070 00 00; N 03 05 00, E 070 00 00; N/S 00 00 00, E 068 00 00; S 06 00 00, E 068 00 00; S 06 00 00, E 060 00 00; N 19 48 00, E 060 00 00; superfluous N 19 48 00 E 060 00 00; N 23 30 00 E 064 30 00; N 23 40 00 E 068 10 00; thence following the coast from N 23 40 00 E 068 10 00 to N 23 30 00 E 068 23 00; thence following the national boundary from N 23 30 00 E 068 23 00 to N 25 00 00, E 070 55 00; N 25 00 00, E 082 00 00.	

		
Nadi FIR	N 03 30 00, W/E 180 00 00. S 05 00 00, W/E 180 00 00; S 05 00 00, W 171 00 00; S 15 32 45.1, W 175 40 31.2; (Niuafu'ou) missing coordinate S 25 00 00, W/E 180 00 00; S 25 00 00, E 171 25 00; S 28 00 00, E 168 00 00; S 30 00 00, E 163 00 00; S 17 40 00, E 163 00 00; S 14 00 00, E 161 15 00; S 14 00 00, E 163 00 00; S 11 48 00, E 166 52 00; S 10 00 00, E 170 00 00; N 03 30 00, E 170 00 00; N 03 30 00, W/E 180 00 00.	



Nauru FIR	N 03 30 00, E 170 00 00; N/S 00 00 00, E 170 00 00; superfluous S 10 00 00, E 170 00 00; S 11 48 00, E 166 52 00; S 10 30 00, E 166 45 00; S 04 50 00, E 160 00 00; N/S 00 00 00, E 160 00 00; superfluous N 03 30 00, E 160 00 00; N 03 30 00, E 170 00 00.	
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New Zealand FIR

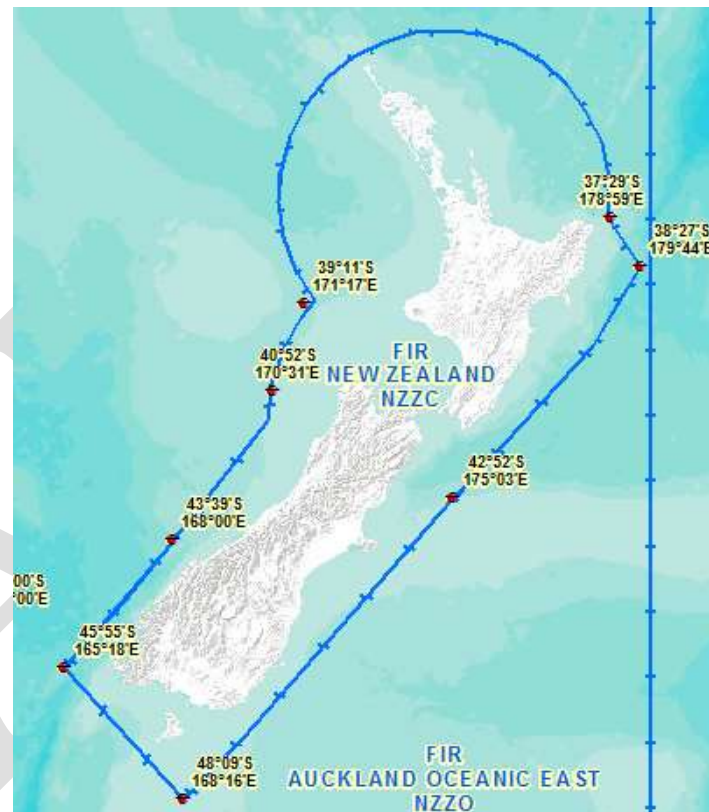
S 38 27 00, E 179 44 00;
S 42 51 30, E 175 03 00;
S 48 09 00, E 168 16 00;
S 45 55 00, E 165 18 00;

GIS shows extra coordinate S 43 39, E 168 00

S 41 25 27, E 170 23 24, the arc of a circle of 200 NM radius centred on S 41 20 14, E 174 49 01, (Wellington VOR/DME) from S 41 25 27, E 170 23 24, clockwise to S 39 07 38, E 171 33 22;

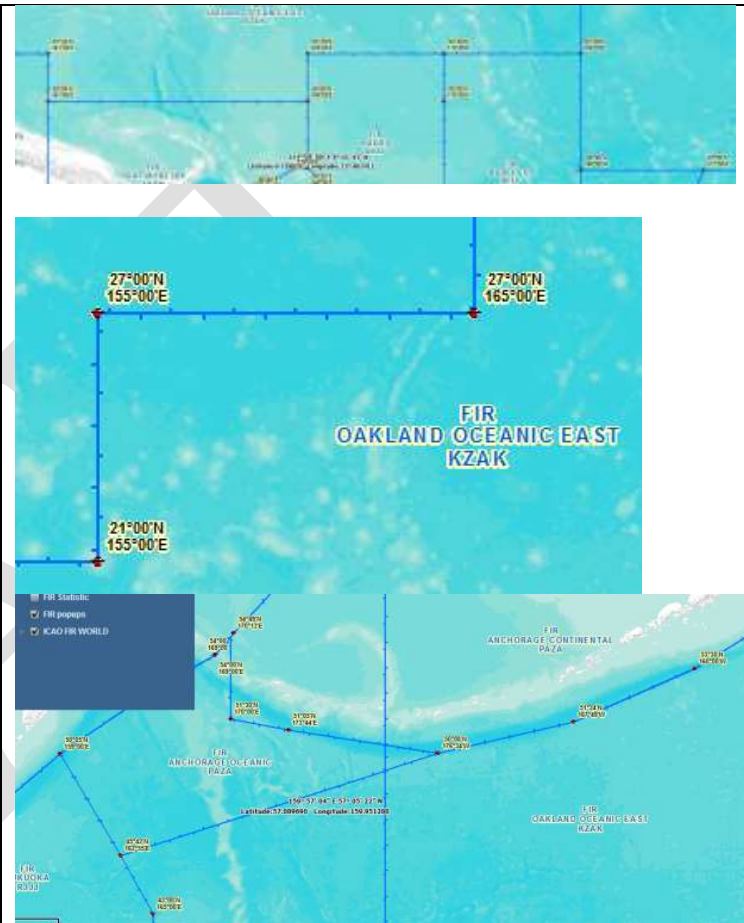
the arc of a circle of 200 NM radius centred on S 37 00 17, E 174 48 49 (Auckland VOR/DME) from S 39 07 38, E 171 33 22 clockwise to S 37 32 30, E 178 56 09; GIS shows S 37 29, E 178 59

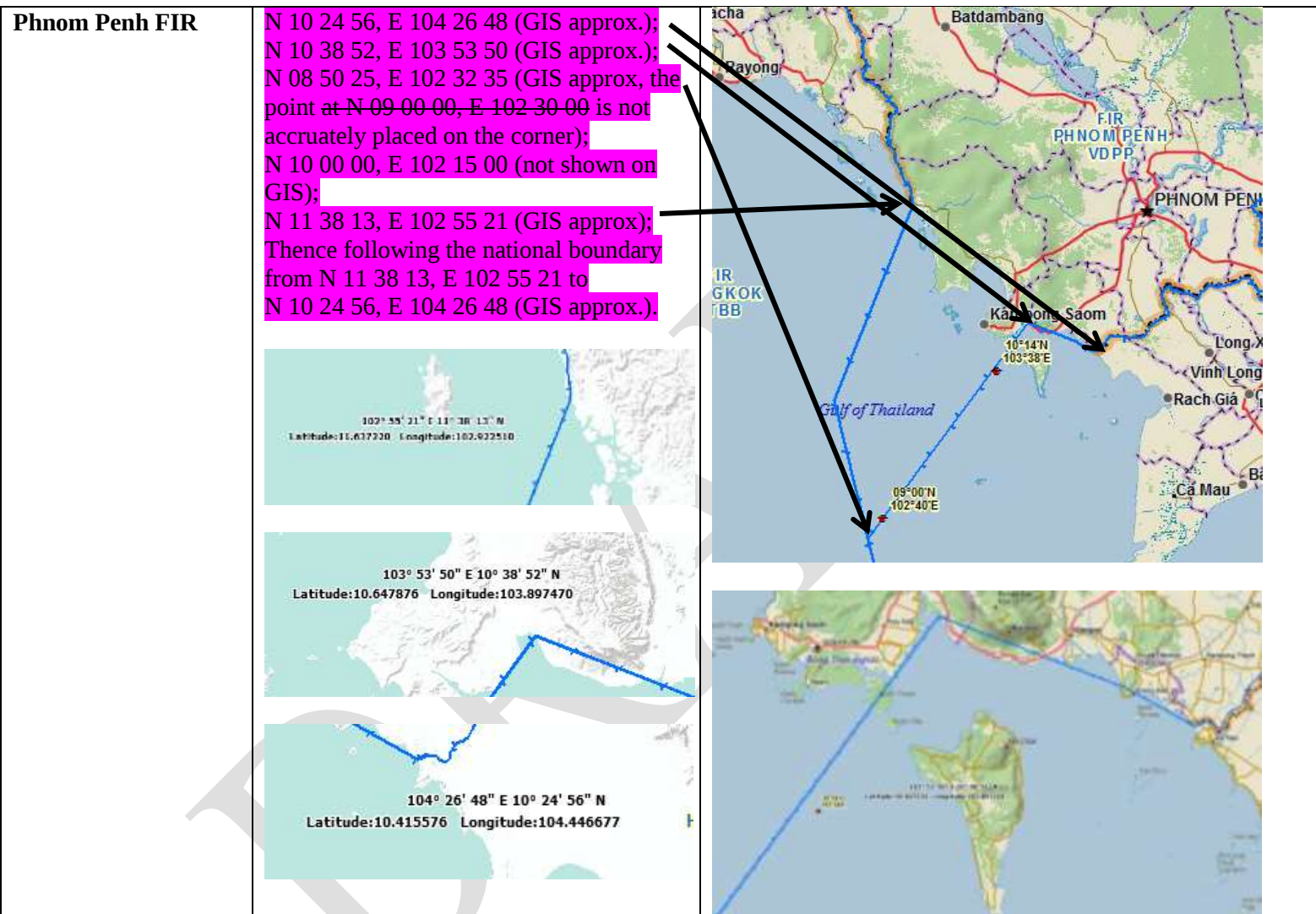
S 38 27 00, E 179 44 0.



Oakland Oceanic	N 52 43 00, W 135 00 00; N 51 00 00, W 133 45 00; N 48 20 00, W 128 00 00; N 48 10 00, W 127 00 00; N 45 00 00, W 126 30 00; N 40 59 00, W 126 54 00; N 40 50 00, W 127 00 00; N 37 30 23, W 127 00 00; N 36 27 43, W 126 56 00; N 35 30 00, W 125 50 00; N 36 00 00, W 124 12 00; N 34 30 00, W 123 15 00; N 30 45 00, W 120 50 00; N 30 00 00, W 120 00 00; N 03 30 00, W 120 00 00; N 03 30 00, W 145 00 00; S 05 00 00, W 155 00 00; S 05 00 00, W/E 180 00 00; N 03 30 00, W/E 180 00 00; N 03 30 00, E 160 00 00; N/S 00 00 00, E 160 00 00; N/S 00 00 00, E 141 00 00; N 03 30 00, E 141 00 00; N 03 30 00, E 133 00 00; N 07 00 00, E 130 00 00; N 21 00 00, E 130 00 00; N 21 00 00, E 155 00 00; N 27 00 00, E 155 00 00; N 27 00 00, E 165 00 00; N 43 00 00, E 165 00 00; N 45 42 00, E 162 55 00; N 50 08 00, W 176 34 00; N 51 24 00, W 167 49 00; N 53 30 00, W 160 00 00; N 56 00 00, W 153 00 00; N 56 45 42, W 151 45 00; N 53 22 03, W 137 00 00;	
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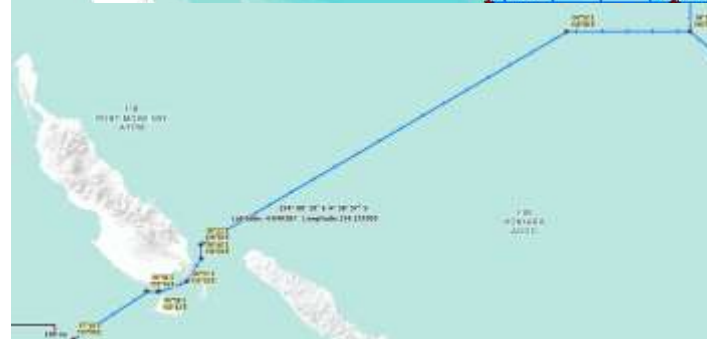
N 52 43 00, W 135 00 00.



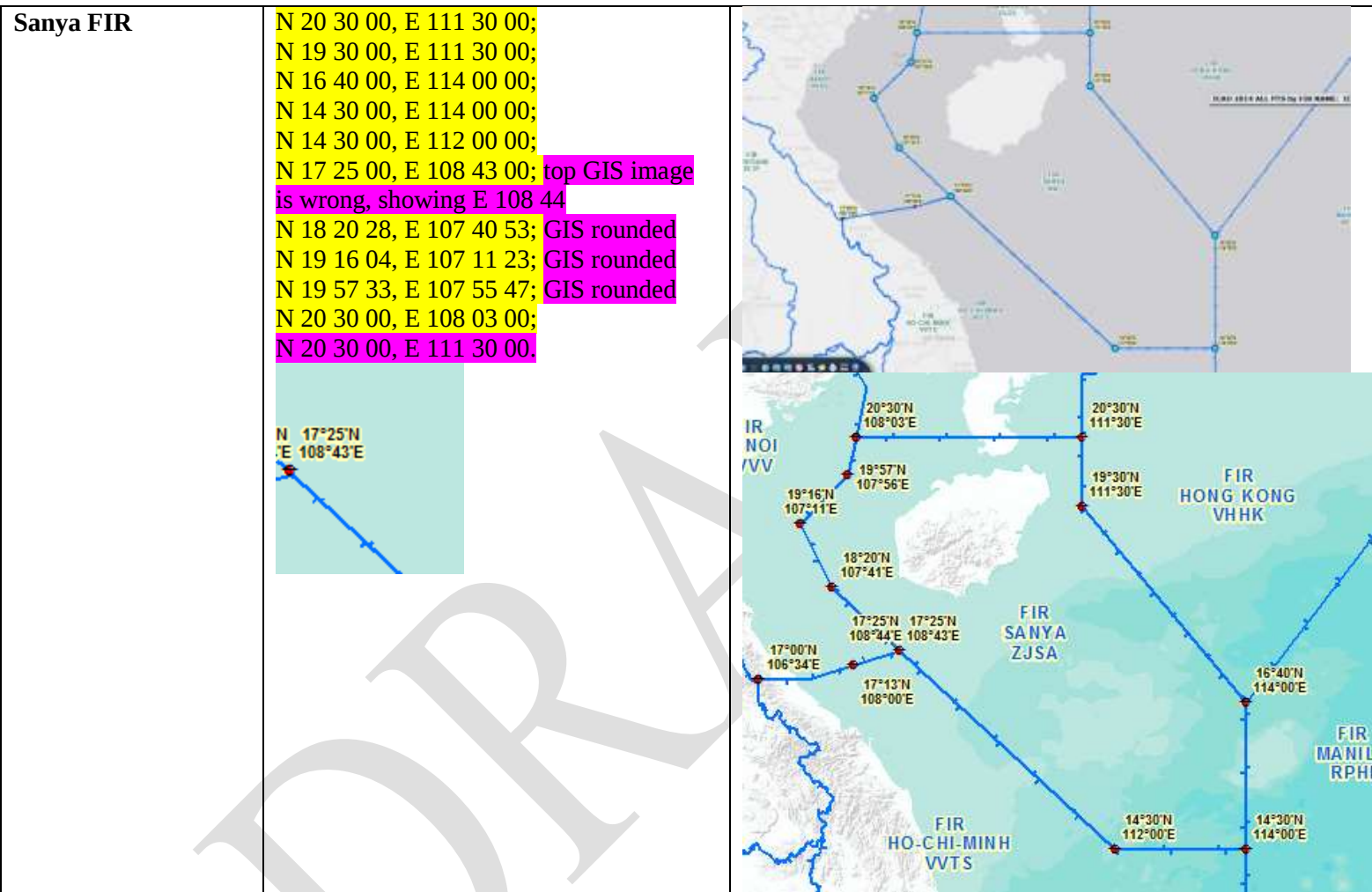


Port Moresby FIR

N/S 00 00 00, E 160 00 00;
S 04 50 00, E 160 00 00;
S 04 50 00, E 159 00 00;
S 06 33 00, E 156 02 00;
S 06 40 00, E 156 02 00;
S 06 51 00, E 155 55 00;
S 06 56 00, E 155 42 00;
S 06 56 00, E 155 36 00;
S 07 19 00, E 155 00 00;
S 12 00 00, E 155 00 00;
S 12 00 00, E 144 00 00;
S 11 43 00, E 144 04 00;
S 11 30 00, E 144 02 00;
S 09 57 00, E 144 05 00;
S 09 24 00, E 144 14 00;
S 09 08 00, E 143 52 00;
S 09 19 00, E 142 48 00;
S 09 16 00, E 142 03 00;
S 09 37 00, E 141 00 00;
N/S 00 00 00, E 141 00 00;
N/S 00 00 00, E 160 00 00.



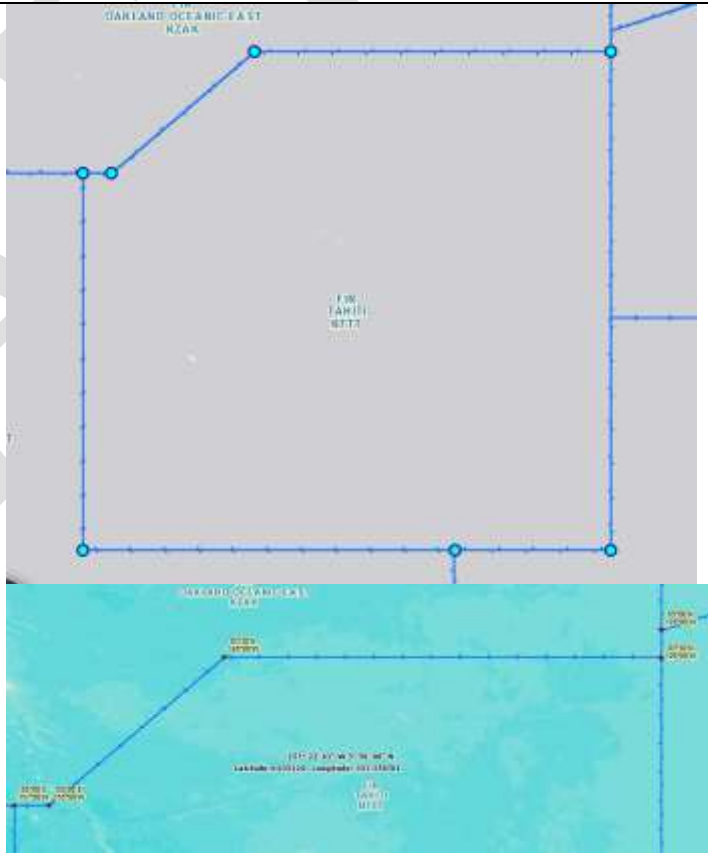
Pyongyang FIR	N 40 30 00, E 135 56 00; N 38 38 00, E 133 39 00; N 38 38 00, E 128 25 22 00; GIS inconsistency thence following the national boundary from N 38 38 00, E 128 22 00 to N 38 00 00, E 124 51 00; ROK data N 38 00 00, E 124 00 00; N 39 51 00, E 124 10 00; thence following the national boundary from N 39 51 00, E 124 10 00 to N 42 25 00, E 130 36 00; N 42 09 00, E 130 53 00; N 41 40 00, E 131 31 00; N 40 30 00, E 135 56 00.	
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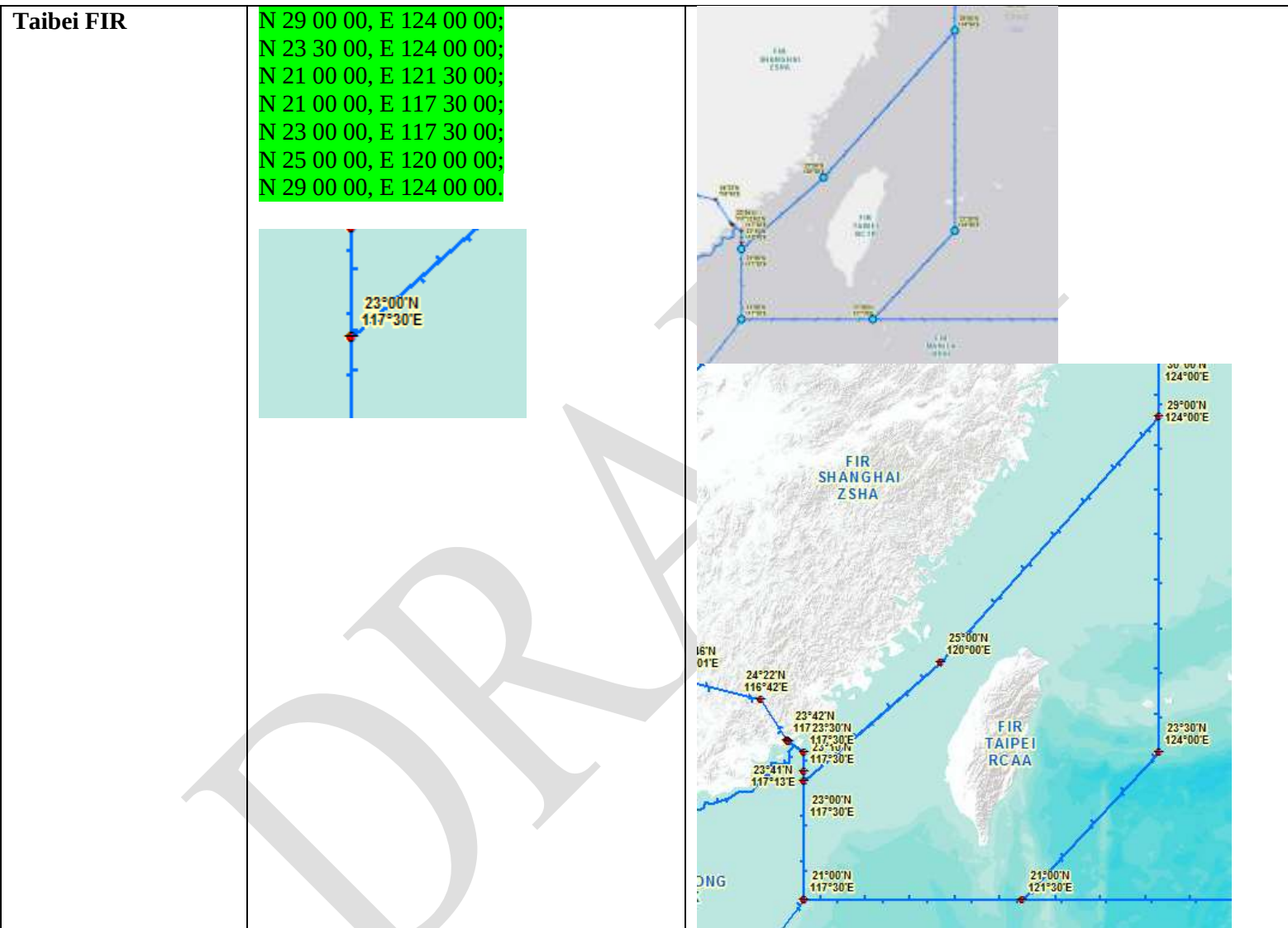
Shanghai FIR	N 38 00 00, E 124 00 00; N 29 00 00, E 124 00 00; N 26 29 08, E 121 26 56; this coordinate is not shown on GIS – check PFA N 25 00 00, E 120 00 00; N 23 00 00, E 117 30 00; N 23 30 00, E 117 30 00; N 23 42 00, E 117 11 00; N 24 22 00, E 116 42 00; N 24 40 24, E 115 24 30; GIS inconsistent N 25 05 30, E 115 25 00; GIS inconsistent N 25 46 00, E 114 52 24; GIS inconsistent N 26 03 00, E 114 07 00; N 26 42 00, E 113 57 00; N 29 02 00, E 114 34 00; N 30 05 00, E 115 56 00; N 32 54 30, E 115 48 48; GIS rounding N 34 31 00, E 115 54 30; GIS data not shown N 35 14 48, E 115 27 00; GIS inconsistent N 36 40 00, E 115 24 00; GIS inconsistent N 37 29 12, E 117 30 00; GIS rounding N 38 15 00, E 120 00 00; N 38 15 00, E 123 00 00; GIS data not shown N 38 00 00, E 124 00 00.	
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Shenyang FIR	N 39 49 41, E 124 10 06; N 38 00 00, E 124 00 00; N 38 15 00, E 123 00 00; missing on GIS N 38 15 00, E 120 00 00; N 39 30 00, E 119 52 00; N 39 54 00, E 119 21 00; N 43 14 42, E 117 31 00; GIS rounded N 45 23 17, E 115 21 15; GIS wrong N-45 25, E 115-19 thence following the national boundary to N 39 49 41, E 124 10 06. GIS wrong N-39 51 E 124 10	
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Singapore FIR	N 08 25 00, E 116 30 00; N 06 00 00, E 113 15 00; superfluous N 02 15 00, E 108 30 00; N 02 00 00, E 108 30 00; superfluous N 01 00 00, E 108 30 00; N 01 00 00, E 108 58 00; GIS inconsistent N 01 00 00, E 108 54 00; thence following the coastline of Borneo from N 01 00 00, E 108 54 00 to N 00 15 00, E 109 00 00; GIS inconsistent N 00 00 00, E 109 10 00; N 00 00 00, E 109 00 00; GIS inconsistent N 00 00 00, E 108 00 00; S 00 50 00, E 106 00 00; N 00 00 00, E 105 10 00; S 00 00 00, E 104 57 00; superfluous S 00 00 00, E 104 46 00; GIS inconsistent the arc of a circle radius 100NM centered on Singapore Island N 01 21 36 E 103 48 25; clockwise from S 00 00 00, E 104 46 00 to N 10 39 00, E 102 10 00; GIS inconsistent N 01 38 00, E 102 20 00; N 01 13 00, E 103 30 00; N 01 17 00, E 103 36 00; GIS inconsistent shows N 01 13 E 103 30 thence following the national boundary from N 01 17 00, E 103 36 00 to N 01 20 00, E 104 11 20 (approx) GIS? N 01 20 00, E 104 20 00; N 02 36 00, E 104 45 00; N 03 40 00, E 103 40 00; N 04 50 00, E 103 44 00; N 06 00 00, E 103 05 00; superfluous N 06 45 00, E 102 40 00; N 07 00 00, E 103 00 00; N 07 00 00, E 108 00 00; N 10 30 00, E 114 00 00;	
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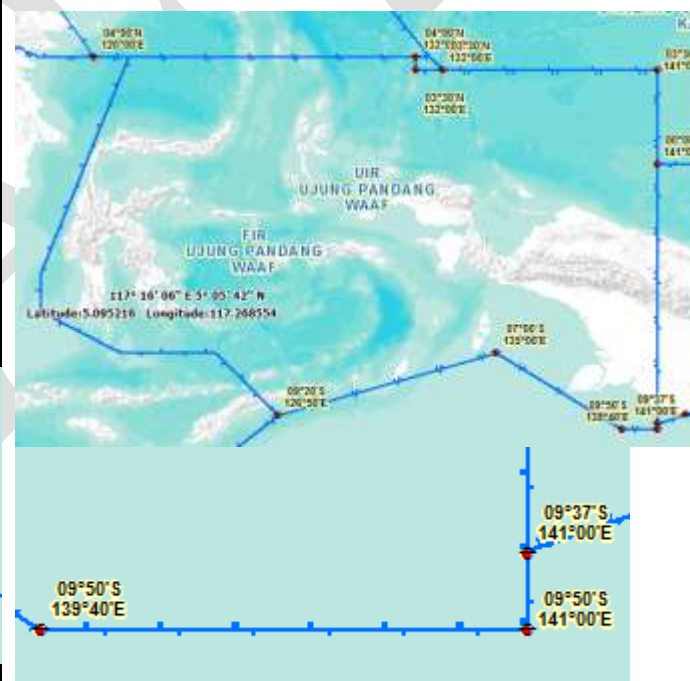
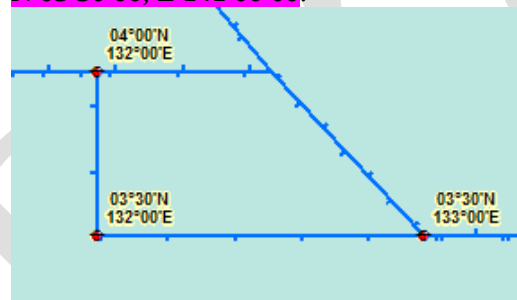
	N 08 25 00, E 116 30 00.	
Tahiti FIR	N 03 30 00, W 120 00 00; S 30 00 00, W 120 00 00; S 30 00 00, W 131 00 00; S 30 00 00, W 157 00 00; S 05 00 00, W 157 00 00; S 05 00 00, W 155 00 00; N 03 30 00, W 145 00 00; N 03 30 00, W 120 00 00.	

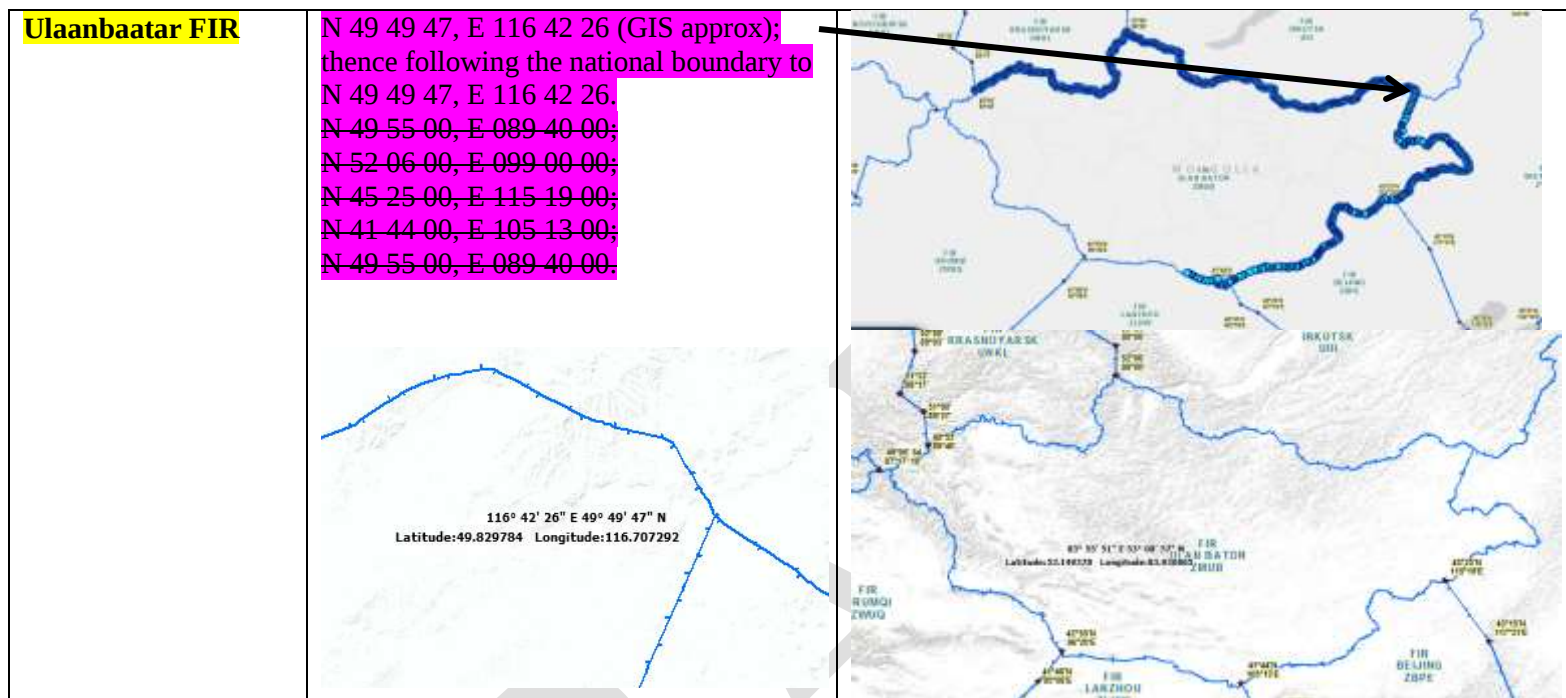
		
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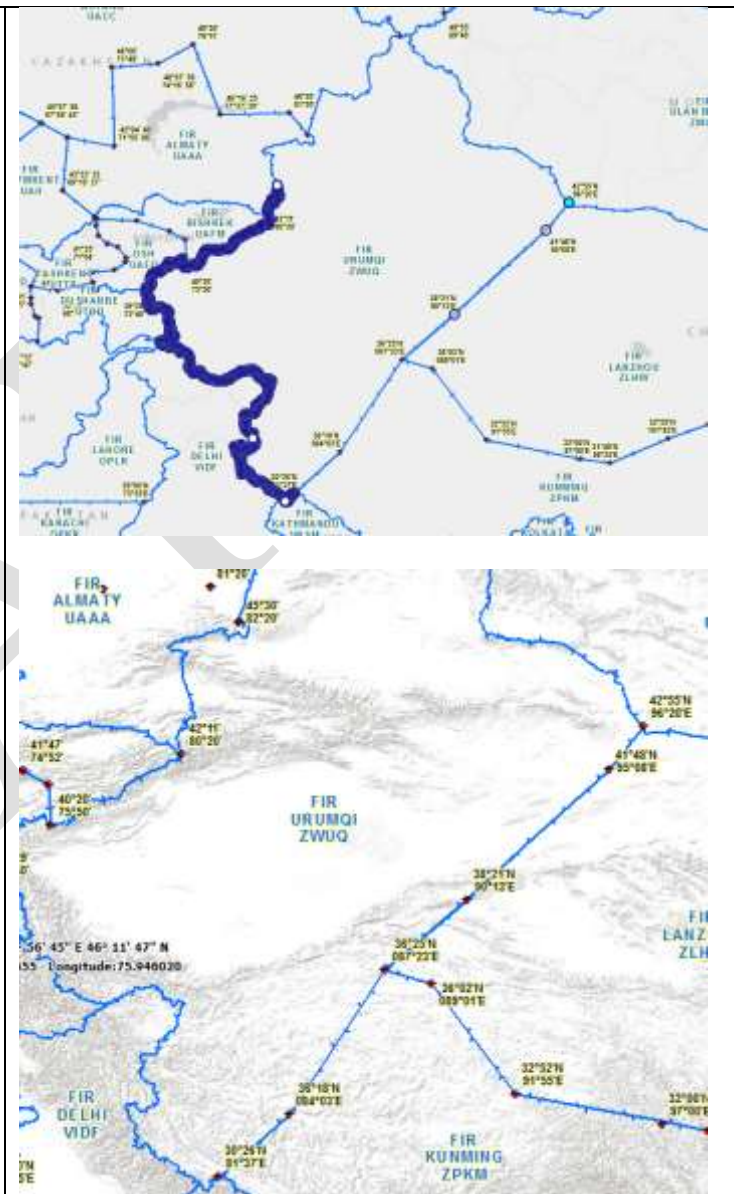


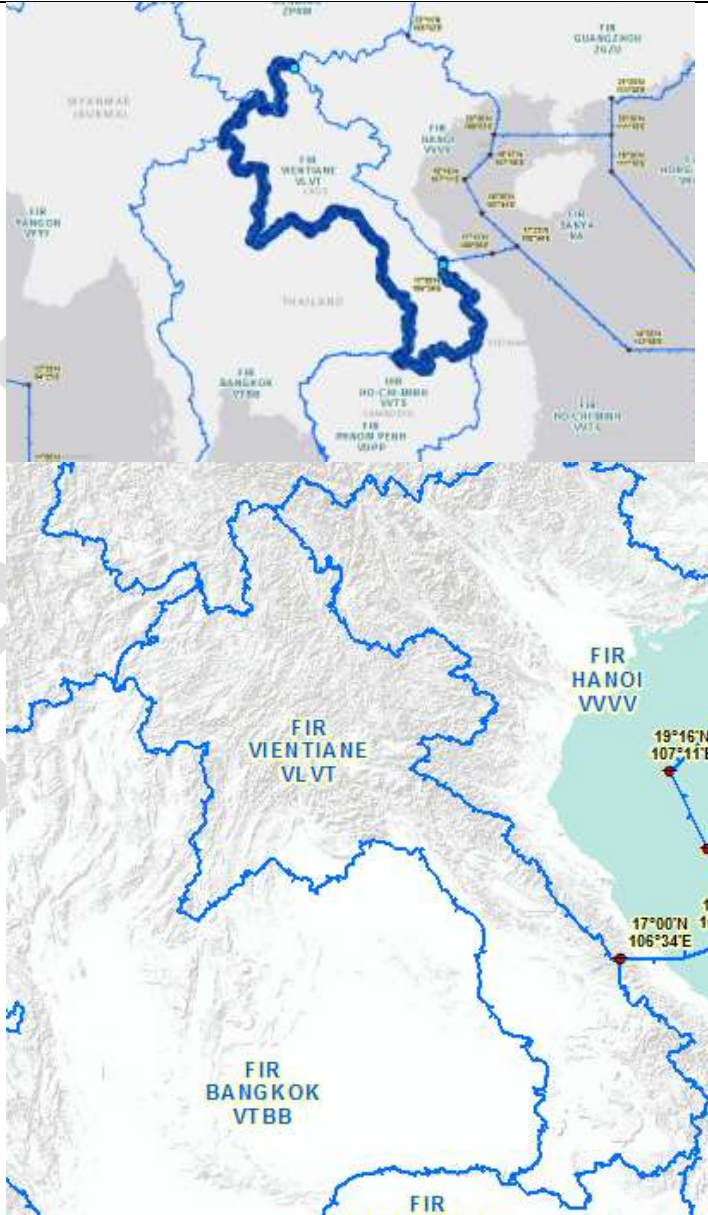
Ujung Pandang

N 03 30 00, E 141 00 00;
S 09 50 00, E 141 00 00;
S 09 50 00, E 139 40 00;
S 07 00 00, E 135 00 00;
S 09 20 00, E 126 50 00;
S 12 00 00, E 123 20 00; no GIS data
S 12 00 00, E 114 30 00; no GIS data
S 08 20 00, E 110 23 00; no GIS data
S 03 00 00, E 110 23 00; no GIS data
N 01 16 00, E 113 37 00; no GIS data
hence following the national boundary to
there are at least three coordinates missing
on GIS between the Jakarta and Ujung
Pandang FIRs
N 04 00 00, E 121 15 00; no GIS data
N 04 00 00, E 132 32 00; GIS states E 132
00
N 03 30 00, E 132 00 00; check this
coordinate – it makes a strange corner
between Ujung Pandang and Manila
N 03 30 00, E 133 00 00; superfluous
N 03 30 00, E 141 00 00.





Urumqi FIR	N 42 55 00, E 096 20 14; GIS rounded N 41 48 00, E 095 08 00; N 38 21 00, E 090 13 00; N 36 25 00, E 087 23 00; N 32 18 06, E 084 03 18; GIS rounding N 30 26 30, E 081 37 30; GIS rounding thence following the national boundary from N 42 55 00, E 096 20 14 to N 42 55 00, E 096 20 14.	
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Vientiane FIR	N 17 00 00, E 106 34 00; thence following the national boundary to N 17 00 00, E 106 34 00.	
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Wuhan FIR

N 36 40 00, E 115 24 00; not shown on
GIS

N 35 14 48, E 115 27 00; GIS rounding

N 34 31 00, E 115 54 30; not shown on
GIS

N 32 54 30, E 115 48 48; not consistent
with GIS

N 30 05 00, E 115 56 00;

N 29 02 00, E 114 34 00;

N 29 23 00, E 113 07 12; GIS 113 06

N 29 31 00, E 109 24 00;

N 31 54 00, E 109 31 00;

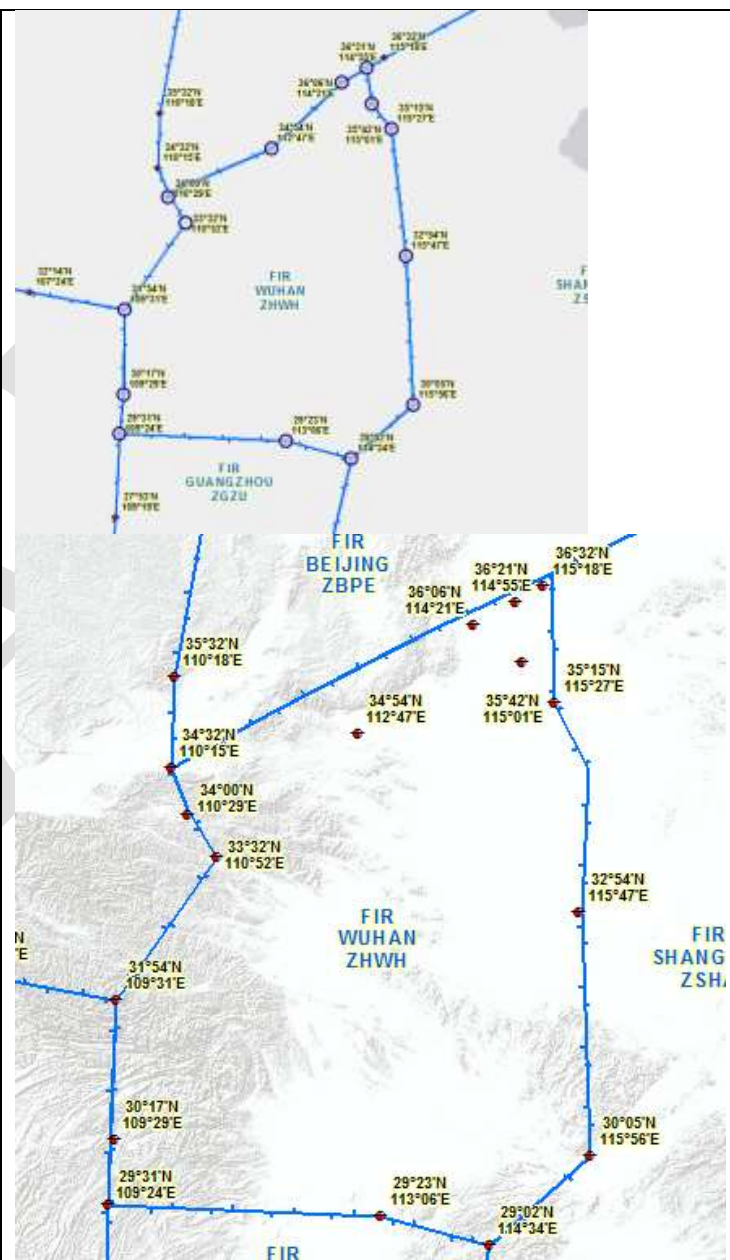
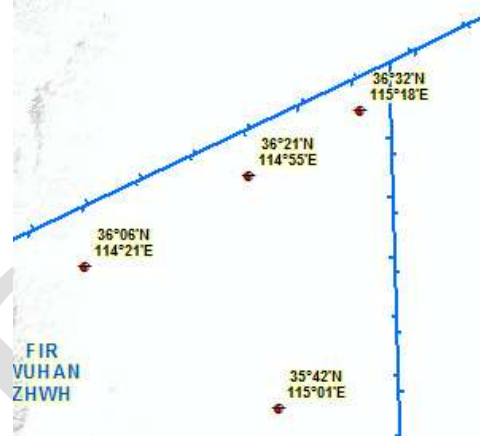
N 33 32 00, E 110 52 00;

N 34 05 00, E 110 29 00; GIS inconsistent

N 34 32 00, E 110 15 00;

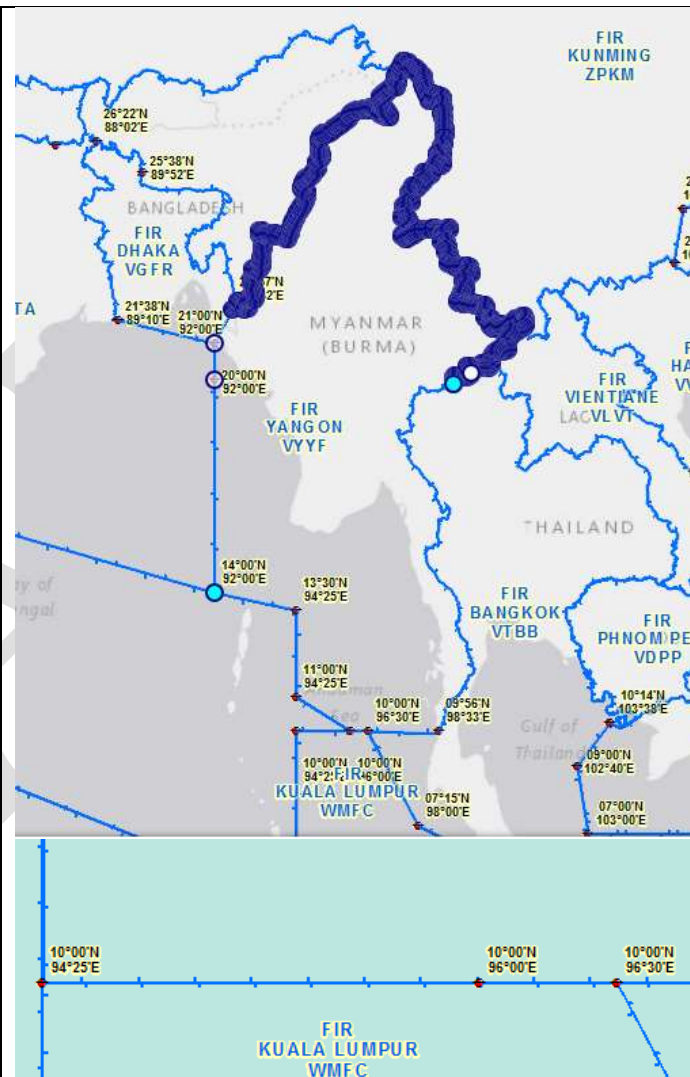
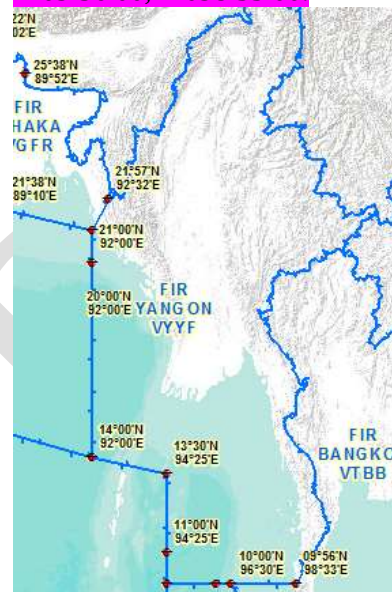
N 36 04 00, E 113 48 36; GIS inconsistent

N 36 40 00, E 115 24 00.



Yangon FIR

N 09 56 00, E 098 33 00; coordinate needs to be checked
N 10 00 00, E 096 30 00;
N 10 00 00, E 094 25 00; there are two different GIS descriptions – one does not have this coordinate – if this coordinate is not part of the description then the Chennai FIR needs to be fixed
N 1100 00, E 094 25 00; this coordinate may not be necessary if the corner is at N 10 00 00, E 094 25 00
N 13 30 00, E 094 25 00;
N 14 00 00, E 092 00 00;
N 20 00 00, E 092 00 00; superfluous
N 21 00 00, E 092 00 00;
N 21 57 00, E 092 32 00; thence following the national boundary from N 21 57 00, E 092 32 00 to
N 09 56 00, E 098 33 00.



**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

SRR	Lateral limits coordinates	Remarks
1	2	3
Kabul SRR (Kabul FIR)	N 30 00 00, E 066 19 00 N 37 12, E 67 47 00; following the national boundary to N 30 00 00, E 066 19 00 N 37 12, E 67 47 00.	

**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
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Australia SRR (Brisbane and Melbourne FIRs)	S 06 00 00, E 075 00 00; S 02 00 00, E 078 00 00; S 02 00 00, E 092 00 00; S 12 00 00, E 107 00 00; S 12 00 00, E 123 20 00; S 09 20 00, E 126 50 00; S 07 00 00, E 135 00 00; S 09 50 00, E 139 40 00; S 09 50 00, E 141 00 00; S 09 37 00, E 141 01 00; S 09 16 00, E 142 03 00; then along the Australian EEA boundary clarify? S 09 19 00, E 142 48 00; S 09 08 00, E 143 53 00; S 09 24 00, E 144 14 00; S 09 57 00, E 144 05 00; S 10 05 00, E 143 59 00; S 10 09 00, E 143 57 00; S 10 18 00, E 143 55 00; S 10 23 00, E 143 55 00; S 10 27 00, E 143 54 00; S 10 31 00, E 143 55 00; S 10 35 00, E 143 56 00; S 10 47 00, E 144 00 00; S 11 02 00, E 144 03 00; S 11 07 00, E 144 04 00; S 11 11 00, E 144 04 00; S 11 14 00, E 144 04 00; S 11 15 00, E 144 03 00; S 11 30 00, E 144 02 00; S 11 43 00, E 144 04 00; S 12 00 00, E 144 00 00; S 12 00 00, E 155 00 00; S 14 00 00, E 155 00 00; S 14 00 00, E 161 15 00; S 17 40 00, E 163 00 00; S 90 00 00, E 163 00 00; S 90 00 00, E 075 00 00; S 06 00 00, E 075 00 00.	

AND PACIFIC REGIONS

ENDORSEMENT BY APANPIRG/29 OR LATER

Bali SRR (Ujung Pandang FIR – Bali SRR data not aligned)	No information on record, not all coordinates available on GIS	
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TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

Bangkok SRR (Bangkok FIR-SRR data not aligned)	N 11 37 00, E 102 55 00; N 10 00 00, E 102 15 00; N 09 30 00, E 103 45 00; N 07 00 00, E 103 00 00; N 06 15 00, E 102 15 00; N 10 00 00, E 096 30 00; N 07 15 00, E 098 00 00; N 06 30 00, E 099 30 00; N 11 37 00, E 102 55 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Beijing SRR (Beijing FIR- SRR data not aligned)	N 45 25 00, E 115 19 00; N 43 15 00, E 117 31 00; N 39 54 00, E 119 21 00; N 39 30 00, E 119 52 00; N 38 15 00, E 120 00 00; N 37 29 00, E 117 30 00; N 36 32 00, E 115 18 00; N 36 21 00, E 114 55 00; N 36 06 00, E 114 21 00; N 34 54 00, E 112 47 00; N 34 00 00, E 110 29 00; N 34 32 00, E 110 15 00; N 35 32 00, E 110 18 00; N 37 28 00, E 110 44 00; N 38 22 00, E 110 36 00; N 38 44 00, E 109 41 00; N 40 20 00, E 107 01 00; N 40 43 00, E 105 55 00; N 41 44 00, E 105 13 00; N 45 25 00, E 115 19 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER

Biak SRR (Ujung Pandang FIR-SRR data not aligned)	No information on record, not all coordinates available on GIS	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

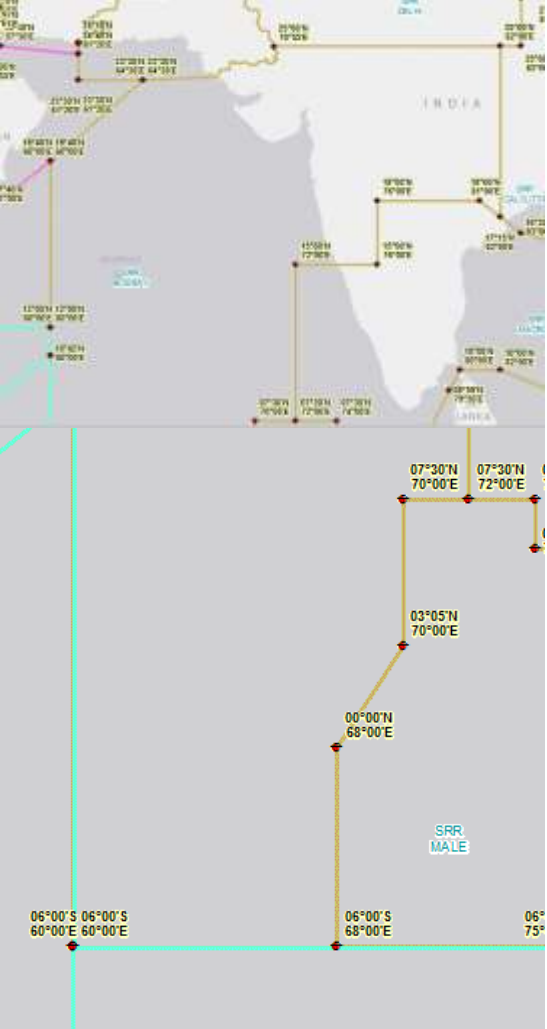
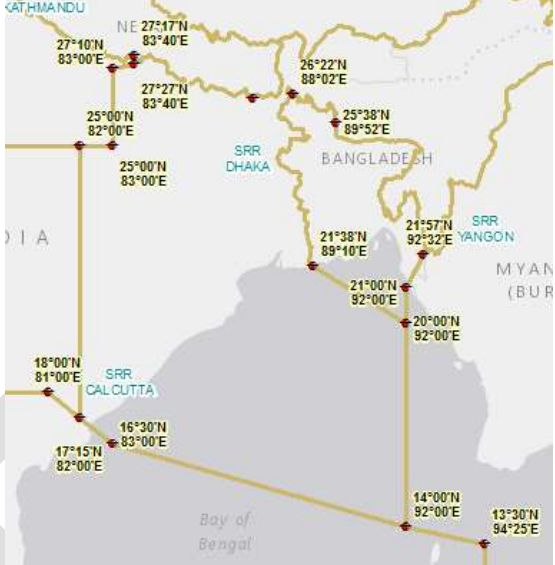
Bombay SRR (Mumbai FIR- Bombay SRR data not aligned)	S 06 00 00, E 060 00 00; N 10 42 00, E 060 00 00; N 12 00 00, E 060 00 00; N 19 48 00, E 060 00 00; N 23 30 00, E 064 30 00; N 25 00 00, E 070 55 00; N 25 00 00, E 082 00 00; N 17 15 00, E 082 00 00; N 18 00 00, E 081 00 00; N 18 00 00, E 076 00 00; N 15 00 00, E 076 00 00; N 15 00 00, E 072 00 00; N 07 30 00, E 072 00 00; N 07 30 00, E 070 00 00; N 03 05 00, E 070 00 00; S 06 00 00, E 068 00 00; S 06 00 00, E 060 00 00.	
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TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

Calcutta SRR (Kolkata FIR- Calcutta SRR data not aligned)	N 25 38 00, E 089 52 00; N 26 22 00, E 088 02 00; N 21 38 00, E 089 10 00; N 20 00 00, E 092 00 00; N 14 00 00, E 092 00 00; N 16 30 00, E 083 00 00; N 17 15 00, E 082 00 00; N 25 00 00, E 082 00 00; N 25 00 00, E 083 00 00; N 27 10 00, E 083 00 00; N 27 27 00, E 083 40 00; N 27 17 00, E 083 40 00; N 25 38 00, E 089 52 00.	 The map displays the Search and Rescue Regions (SRR) for Dhaka, Yangon, and Calcutta. Key coordinates marked on the map include: Dhaka SRR: 27°10'N 83°00'E, 27°27'N 83°40'E, 25°00'N 82°00'E, 25°00'N 83°00'E, 26°22'N 88°02'E, 25°38'N 89°52'E. Yangon SRR: 21°38'N 89°10'E, 21°57'N 92°32'E, 21°00'N 92°00'E, 20°00'N 92°00'E. Calcutta SRR: 18°00'N 81°00'E, 17°15'N 82°00'E, 16°30'N 83°00'E, 14°00'N 92°00'E, 13°30'N 94°25'E. Geographical labels include KATHMANDU, NE, BANGLADESH, MYAN (BUR), and Bay of Bengal.
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER

Colombo SRR (Colombo FIR- SRR data not aligned)	N 10 00 00, E 080 00 00; N 10 00 00, E 082 00 00; N 06 00 00, E 092 00 00; S 02 00 00, E 092 00 00; S 02 00 00, E 078 00 00; N 06 00 00, E 078 00 00; N 06 00 00 E 076 30 00; N 07 00 00 E 078 30 00; N 10 00 00, E 080 00 00.	
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TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

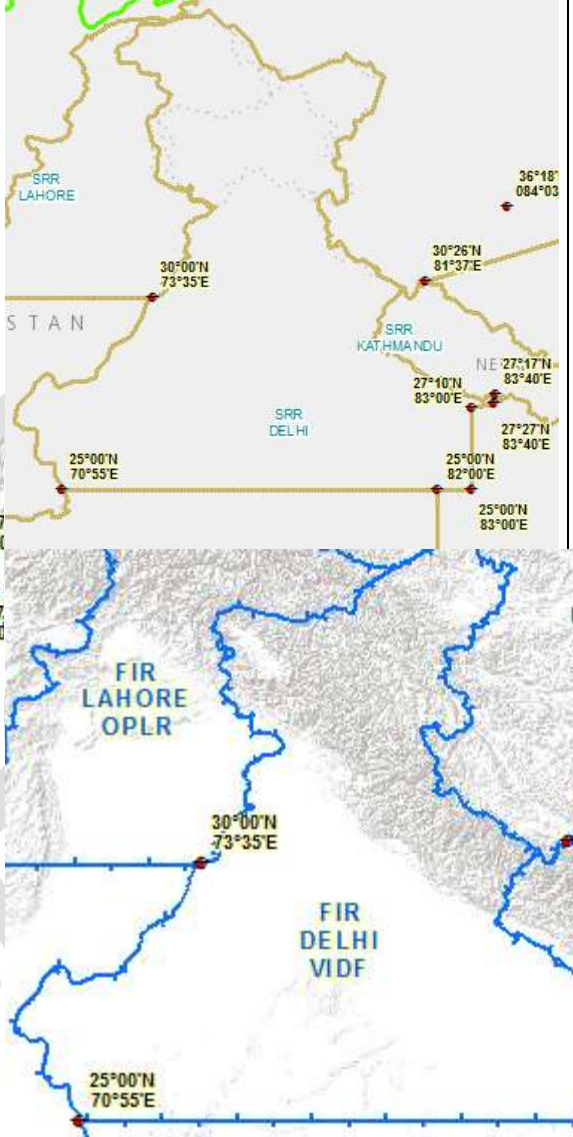
Delhi SRR (Delhi FIR)	N 27 25 00, E 083 40 00; inconsistent with GIS and not certain if it is consistent with the national boundary N 27 15 00, E 083 40 00; inconsistent with GIS N 27 10 00, E 083 00 00; N 25 00 00, E 083 00 00; N 25 00 00, E 070 55 00; thence following the national boundary from N 25 00 00, E 070 55 00 to N 27 25 00, E 083 40 00.	 The figure consists of two maps. The top map shows the SRR boundaries for LAHORE, KATHMANDU, and DELHI. It includes coordinate points such as 30°00'N 73°35'E, 30°26'N 81°37'E, 27°10'N 83°00'E, 27°17'N 83°40'E, 25°00'N 82°00'E, and 25°00'N 83°00'E. The bottom map shows the FIR boundaries for LAHORE OPLR and DELHI VIDF, with coordinate points like 30°00'N 73°35'E, 27°10'N 83°00'E, and 25°00'N 70°55'E. A large 'DRAFT' watermark is visible across the maps.
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TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

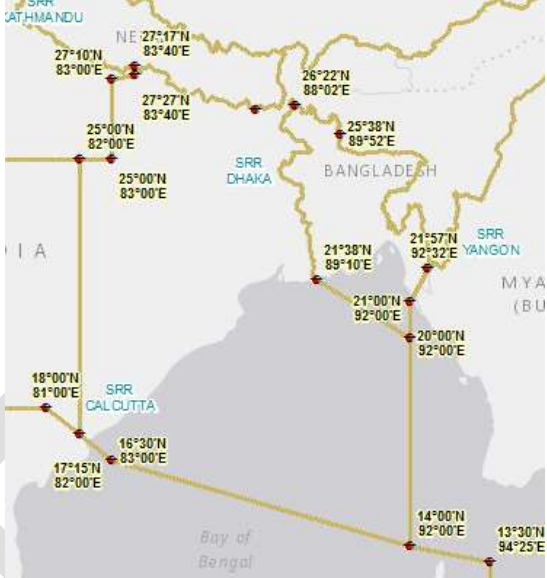
Dhaka SRR (Dhaka FIR-SRR data not aligned)	N 21 00 00, E 092 00 00; N 21 38 00, E 089 10 00; thence following the national boundary from N 21 38 00, E 089 10 00 to N 22 09 00, E 092 37 00; thence from N 22 09 00, E 092 37 00 to N 21 00 00, E 092 00 00.	 The map displays the SRR boundaries for Dhaka, Calcutta, and Yangon. Key coordinates include: 27°10'N 83°00'E, 27°27'N 83°40'E, 25°00'N 82°00'E, 25°00'N 83°00'E, 26°22'N 88°02'E, 25°38'N 89°52'E, 21°38'N 89°10'E, 21°57'N 92°32'E, 21°00'N 92°00'E, 20°00'N 92°00'E, 18°00'N 81°00'E, 16°30'N 83°00'E, 17°15'N 82°00'E, 14°00'N 92°00'E, and 13°30'N 94°25'E. The map also shows the Bay of Bengal and the borders of Bangladesh, India, and Myanmar.
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TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

Guangzhou SRR (Guangzhou FIR-SRR data not aligned)	N 21 25 00, E 111 30 00; N 20 30 00, E 111 30 00; N 20 30 00, E 108 03 00; thence following the national boundary to N 23 11 00, E 105 32 00; N 24 39 00, E 105 48 00; N 25 25 00, E 107 53 00; N 26 41 00, E 109 12 00; N 27 53 00, E 109 19 00; N 29 31 00, E 109 24 00; N 29 23 00, E 113 06 00; N 29 02 00, E 114 34 00; N 26 42 00, E 113 57 00; N 26 03 00, E 114 07 00; N 25 07 00, E 114 18 00; N 24 46 00, E 115 01 00; N 24 22 00, E 116 42 00; N 23 42 00, E 117 11 00; N 23 41 00, E 117 13 00; thence following the national boundary to N 20 30 00, E 108 03 00; N 20 30 00, E 111 30 00; N 19 30 00, E 111 30 00; N 16 40 00, E 114 00 00; N 14 30 00, E 114 00 00; N 14 30 00, E 112 00 00; N 17 25 00, E 108 43 00; N 18 20 00, E 107 41 00; N 19 16 00, E 107 11 00; N 19 57 00, E 107 56 00; N 21 25 00, E 111 30 00.	
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TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

Hanoi SRR (Hanoi FIR-SRR data not aligned)	N 20 30 00, E 108 03 00; N 19 57 00, E 107 56 00; N 19 16 00, E 107 11 00; N 18 20 00, E 107 41 00; N 17 25 00, E 108 43 00; N 17 13 00, E 108 00 00; N 17 00 00, E 106 34 00; thence following the national boundary to N 23 11 00, E 105 32 00; thence following the national boundary to N 20 30 00, E 108 03 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Ho Chi Minh SRR (Ho Chi Minh FIR-SRR data not aligned)	N 09 00 00, E 102 40 00; N 10 14 00, E 103 38 00; thence following the national boundary to N 17 00 00, E 106 34 00; N 17 13 00, E 108 00 00; N 17 25 00, E 108 43 00; N 14 30 00, E 112 00 00; N 14 30 00, E 114 00 00; N 10 30 00, E 114 00 00; N 07 00 00, E 108 00 00; N 07 00 00, E 103 00 00; N 09 00 00, E 102 40 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER

Hong Kong SRR (Hong Kong FIR- SRR data not aligned)	N 23 40 00, E 117 30 00; N 21 00 00, E 117 30 00; N 16 40 00, E 114 00 00; N 19 30 00, E 111 30 00; N 21 25 00, E 111 30 00; thence following the Special Administrative Region boundary to 3NM off-shore and the northern boundary of Macao and the Hong Kong Special Administrative Region to N 23 40 00, E 117 30 00	
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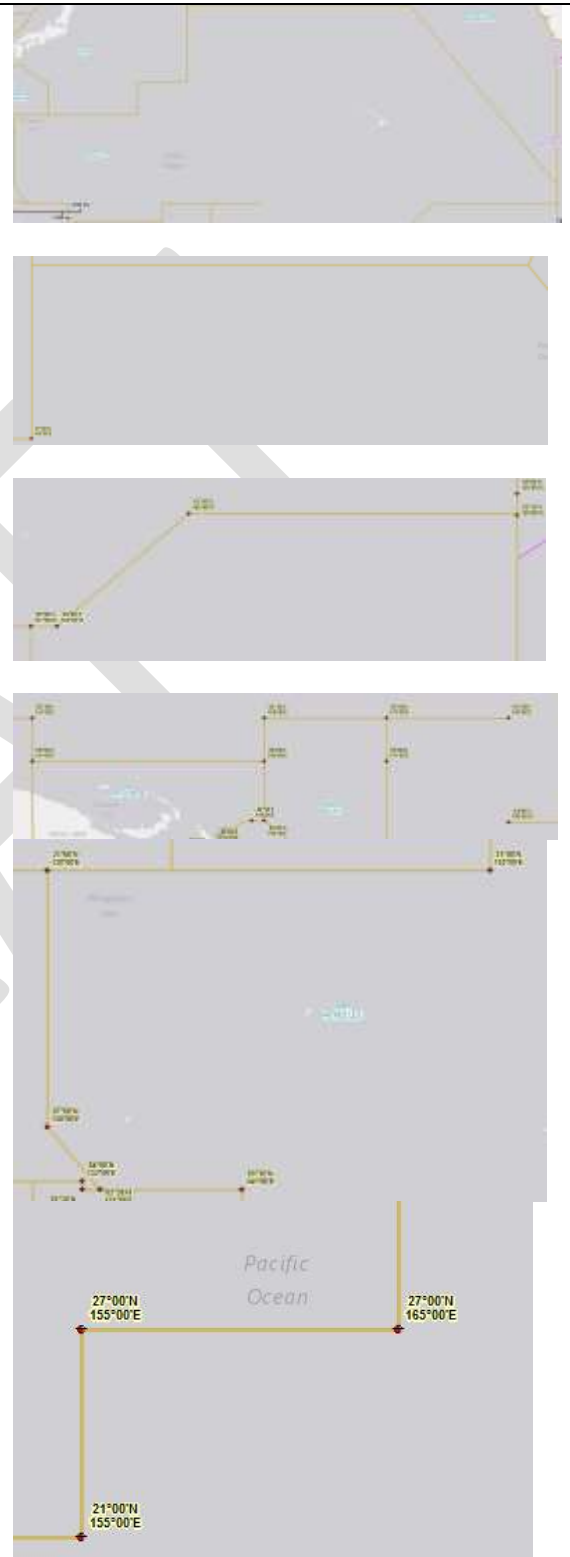
TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

Honiara SRR (Honiara FIR- SRR not aligned)	S 10 30 00, E 166 45 00; S 11 48 00, E 166 52 00; S 14 00 00, E 163 00 00; S 14 00 00, E 161 15 00; S 14 00 00, E 155 00 00; S 12 00 00, E 155 00 00; S 07 19 00, E 155 00 00; S 06 56 00, E 155 36 00; S 06 56 00, E 155 42 00; S 06 51 00, E 155 55 00; S 06 40 00, E 156 02 00; E 06 33 00, E 156 02 00; S 10 30 00, E 166 45 00; S 10 30 00, E 166 45 00.	
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TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

Honolulu SRR (Oakland Oceanic FIR – Honolulu SRR not aligned)	N 40 00 00, E 165 00 00; N 27 00 00, E 165 00 00; N 27 00 00, E 155 00 00; N 21 00 00, E 155 00 00; N 21 00 00, E 137 00 00; N 21 00 00, E 130 00 00; N 07 00 00, E 130 00 00; N 04 01 24, E 132 32 58; N 04 01 24, E 132 32 58; N 03 30 00, E 133 00 00; N 03 30 00, E 141 00 00; N/S 00 00 00, E 141 00 00; N/S 00 00 00, E 160 00 00; N 03 30 00, E 160 00 00; N 03 30 00, E 170 00 00; N 03 30 00, W/E 180 00 00; S 05 00 00, W/E 180 00 00; S 05 00 00, W 157 00 00; S 05 00 00, W 155 00 00; N 03 30 00, W 145 00 00; N 03 30 00, W 120 00 00; N 40 00 00, E 165 00 00. N 21 00 00; E 137 00 00 N 21 00 00; E 130 00 00 N/S 00 00 00; E 141 00 00 N/S 00 00 00; E 160 00 00 N 03 30 00; E 170 00 00 S 05 00 00; W/E 180 00 00 S 05 00 00; W 157 00 00 Green based on latest info provided but does not align with the previous information.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

DRAFT

TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

Jakarta SRR (Jakarta FIR)	N 01 16 00, E 113 37 00; S 03 00 00, E 110 23 00; S 08 20 00, E 110 23 00; S 12 00 00, E 114 30 00; S 12 00 00, E 110 00 00; superfluous S 12 00 00, E 107 00 00; S 02 00 00, E 092 00 00; N 06 00 00, E 092 00 00; N 06 00 00, E 094 25 00; superfluous N 06 00 00, E 097 30 00; N 01 38 00, E 102 20 00; coordinate is inaccurate, should be approx N 01 38 49, E 102 09 54; the arc of a circle of 100 NM centred on Singapore (coordinates?), anti-clockwise from approx N 01 38 49, E 102 09 54 to approx N/S 00 00 00, E 104 46; N/S 00 00 00, E 105 10 00; S 00 50 00, E 106 00 00; N/S 00 00 00, E 108 00 00; missing coordinate N/S 00 00 00, E 109 10 00; missing coordinate (need to check if it is on the coast); following the coast and the national boundary from N/S 00 00 00, E 109 10 00 to N 01 00 00, E 108 58 00; superfluous N 01 16 00, E 113 37 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER

Juneau SRR Anchorage Oceanic FIR- Juneau SRR not aligned	N 50 05 00, E 159 00 00; N 43 00 00, E 165 00 00; N 40 00 00, E 165 00 00; N 50 05 00, E 159 00 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Kabul SRR (Kabul FIR)	N 30 00 00, E 066 19 00 N 37 12, E 67 47 00; following the national boundary to N 30 00 00, E 066 19 00 N 37 12, E 67 47 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER

Karachi SRR (Karachi FIR- SRR data not aligned)	N 23 30 00, E 061 20 00; N 24 40 00, E 061 20 00; N 25 10 00, E 061 20 00; N 30 00 00, E 066 19 00; N 30 00 00, E 073 35 00; N 25 00 00, E 070 55 00; N 23 30 00, E 064 30 00; N 23 30 00, E 061 20 00. Check this – there should be mention of a national boundary	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Kathmandu SRR (Kathmandu FIR)	N 30 26 00, E 081 37 00; following the national boundary from N 30 26 00, E 081 37 00 to N 27 17 00, E 083 40 00; N 30 26 00, E 081 37 00 N 30 26 00, E 081 37 00.	
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TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

Kota Kinabalu SRR (Kota Kinabalu FIR)	N 04 00 00, E 120 00 00; N 03 59 12, E 117 54 33; (approx GIS for missing coordinate) thence following the national boundary from N 03 59 12, E 117 54 33 (approx) to N 01 16 00, E 113 37 00; superfluous coordinate thence following the national boundary to N 01 00 00, E 108 58 00; N 01 00 00, E 108 30 00; N 02 00 00, E 108 30 00; superfluous coordinate N 02 15 00, E 108 30 00; N 06 00 00, E 113 15 00; E 113 19 29 according to GIS measurement-check N 08 25 00, E 116 30 00; N 07 30 00, E 117 30 00; N 07 30 00, E 117 30 00; N 04 00 00, E 120 00 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Kuala Lumpur SRR (Kuala Lumpur FIR)	N 06 45 00, E 102 40 00; N 06 00 00, E 103 05 00; N 04 50 00, E 103 44 00; N 03 40 00, E 103 40 00; N 02 36 00, E 104 45 00; N 01 20 00, E 104 20 00; thence following the national boundary from N 01 20 00, E 104 20 00 to N 01 13 00, E 103 30 00; N 01 38 00, E 102 20 00; this coordinate appears to be inaccurate should be N 01 38 49, E 102 09 54 (approx); N 06 00 00, E 097 30 00; N 06 00 00, E 094 25 00; N 10 00 00, E 094 25 00; N 10 00 00, E 096 00 00; superfluous N 10 00 00, E 096 30 00; N 07 15 00, E 098 00 00; N 06 27 00, E 099 36 00; N 06 30 08, E 099 29 49; according to Thailand-check thence following the national boundary from N 06 30 08, E 099 29 49 to N 06 15 00, E 102 05 30; approx –check; N 06 45 00, E 102 40 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Kunming SRR (Kunming FIR- SRR data not aligned)	N 31 54 00, E 109 31 00; N 30 17 00, E 109 29 00; N 29 31 00, E 109 24 00; N 27 53 00, E 109 19 00; N 26 41 00, E 109 12 00; N 25 25 00, E 107 53 00; N 24 39 00, E 105 48 00; N 23 11 00, E 105 32 00; N 31 54 00, E 109 31 00.	 A map showing the Kunming Search and Rescue Region (SRR) in China. The region is outlined in yellow and contains several smaller yellow-outlined areas. The map includes latitude and longitude coordinates for the boundaries and various points within the region. The text 'KUNMING SRR' is visible on the map.
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Lahore SRR (Lahore FIR)	N 30 00 00, E 073 35 00; N 30 00 00, E 066 19 00; thence following the national boundary to N 30 00 00, E 073 35 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Lazhou SRR (Lazhou FIR- SRR data not aligned)	N 41 44 00, E 105 13 00; N 40 43 00, E 105 55 00; N 40 20 00, E 107 01 00; N 38 44 00, E 109 41 00; N 38 22 00, E 110 36 00; N 37 28 00, E 110 44 00; N 35 32 00, E 110 18 00; N 34 32 00, E 110 15 00; N 34 00 00, E 110 29 00; N 33 32 00, E 110 52 00; N 31 54 00, E 109 31 00; N 32 14 00, E 107 24 00; N 32 27 00, E 105 49 00; N 32 55 00, E 101 42 00; N 31 49 00, E 098 35 00; N 32 00 00, E 097 00 00; N 32 52 00, E 091 55 00; N 36 02 00, E 089 01 00; N 36 25 00, E 087 23 00; N 38 21 00, E 090 13 00; N 41 48 00, E 095 08 00; N 42 55 00, E 096 20 00; N 32 32 00, E 103 53 00; N 41 44 00, E 105 13 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Madras SRR (Chennai FIR- SRR data not aligned)	N 17 15 00, E 082 00 00; N 16 30 00, E 083 00 00; N 14 00 00, E 092 00 00; N 13 30 00, E 094 25 00; N 11 00 00, E 094 25 00; N 10 00 00, E 096 00 00; N 10 00 00, E 094 25 00; N 06 00 00, E 094 25 00; N 06 00 00, E 092 00 00; N 10 00 00, E 082 00 00; N 10 00 00, E 080 00 00; N 07 00 00, E 078 30 00; N 06 44 00, E 077 57 00; N 06 00 00, E 076 30 00; N 06 00 00, E 076 00 00; N 06 00 00, E 074 00 00; N 07 30 00, E 074 00 00; N 07 30 00, E 072 00 00; N 15 00 00, E 072 00 00; N 15 00 00, E 076 00 00; N 18 00 00, E 076 00 00; N 18 00 00, E 081 00 00; N 17 15 00, E 082 00 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Male SRR (Male FIR-SRR not aligned)	N 06 00 00, E 076 30 00; N 06 00 00, E 078 00 00; S 02 00 00, E 078 00 00; S 06 00 00, E 075 00 00; S 06 00 00, E 068 00 00; N 03 05 00, E 070 00 00; N 07 30 00, E 070 00 00; N 07 30 00, E 072 00 00; N 07 30 00, E 074 00 00; N 06 00 00, E 074 00 00; N 06 00 00, E 076 00 00; N 06 00 00, E 076 30 00. Second set of data from State inconsistent with GIS: N 08 00 00, E 073 00 00; N 06 00 00, E 078 00 00; S 02 00 00, E 078 00 00; S 06 00 00, E 075 00 00; S 06 00 00, E 068 00 00; S 00 00 00, E 068 00 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Manila SRR (Manila FIR-SRR data not aligned)	N 21 00 00, E 117 30 00; N 21 00 00, E 121 30 00; N 21 00 00, E 130 00 00; N 07 00 00, E 130 00 00; N 03 30 00, E 133 00 00; N 03 30 00, E 132 00 00; N 04 00 00, E 132 00 00; N 04 00 00, E 120 00 00; N 07 30 00, E 117 30 00; N 08 25 00, E 116 30 00; N 10 30 00, E 114 00 00; N 14 30 00, E 114 00 00; N 16 40 00, E 114 00 00; N 21 00 00, E 117 30 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Nadi SRR (Nadi FIR-SRR data not aligned)	N 03 30 00, W/E 180 00 00; S 25 00 00, W/E 180 00 00; S 25 00 00, E 171 25 00; S 28 00 00, E 168 00 00; S 30 00 00, E 163 00 00; S 17 50 00, E 163 00 00; S 14 00 00, E 161 15 00; S 14 00 00, E 163 00 00; S 11 48 00, E 166 52 00; S 10 00 00, E 170 00 00; N 03 30 00, E 170 00 00; N 03 30 00, W/E 180 00 00; S 05 00 00, W/E 180 00 00; S 05 00 00, W 172 00 00; S 25 00 00, W/E 180 00 00; N 03 30 00, W/E 180 00 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

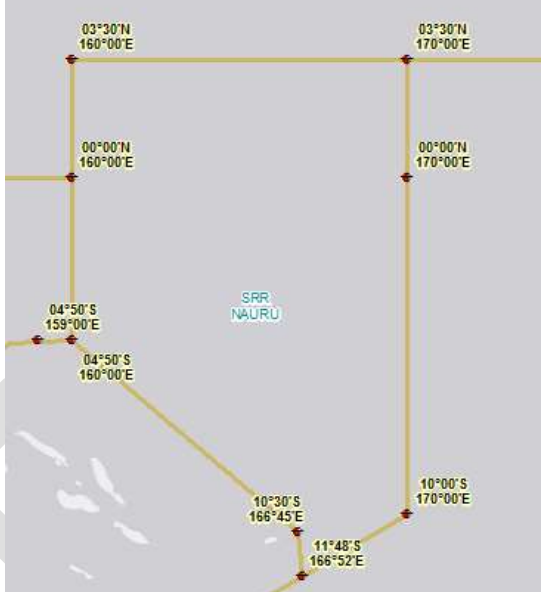
Nauru SRR (Nauru FIR)	N 03 30 00, E 170 00 00; N/S 00 00 00, E 170 00 00; superfluous S 10 00 00, E 170 00 00; S 11 48 00, E 166 52 00; S 10 30 00, E 166 45 00; S 04 50 00, E 160 00 00; N/S 00 00 00, E 160 00 00; superfluous N 03 30 00, E 160 00 00; N 03 30 00, E 170 00 00.	
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TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

New Zealand SRR (Auckland Oceanic FIR-New Zealand SRR data not aligned)	S 90 00 00, E 163 00 00; S 25 00 00, E 163 00 00; S 25 00 00, E 180 00 00; S 05 00 00, E-W 171 00 00; (longitude is W, not east as in Table SAR I-1); S 05 00 00, W 157 00 00; S 30 00 00, W 157 00 00; S 30 00 00, W 131 00 00; S 90 00 00, W 131 00 00; S 90 00 00, W 180 00 00;- (line is superfluous); S 90 00 00, E 163 00 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER

Phnom Penh SRR (Phnom Penh FIR-SRR data not aligned)	No information on record	
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30/07/2018 – 03/08/2018

TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

Port Moresby SRR (Port Moresby FIR-SRR data not aligned)	S 04 50 00, E 160 00 00; S 04 50 00, E 159 00 00; S 06 33 00, E 156 02 00; S 06 40 00, E 156 02 00; S 06 51 00, E 155 55 00; S 06 56 00, E 155 42 00; S 06 56 00, E 155 36 00; S 07 19 00, E 155 00 00; S 12 00 00, E 155 00 00; S 12 00 00, E 144 00 00; S 11 43 00, E 144 04 00; S 11 30 00, E 144 02 00; S 09 57 00, E 144 05 00; S 09 24 00, E 144 14 00; S 09 08 00, E 143 52 00; S 09 19 00, E 142 48 00; S 09 16 00, E 142 03 00; S 09 37 00, E 141 00 00; N 00 00 00, E 141 00 00; N/S 00 00 00, E 160 00 00; S 04 50 00, E 160 00 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Pyongyang SRR (Pyongyang FIR)	N 40 30 00, E 135 56 00; N 38 38 00, E 133 39 00; N 38 38 00, E 128 25 22 00; GIS inconsistency thence following the national boundary from N 38 38 00, E 128 22 00 to N 38 00 00, E 124 51 00; ROK data N 38 00 00, E 124 00 00; N 39 51 00, E 124 10 00; thence following the national boundary from N 39 51 00, E 124 10 00 to N 42 25 00, E 130 36 00; N 42 09 00, E 130 53 00; N 41 40 00, E 131 31 00; N 40 30 00, E 135 56 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Shanghai SRR (Shanghai FIR- SRR data not aligned)	N 36 32 00, E 115 18 00; N 37 29 00, E 117 30 00; N 38 15 00, E 120 00 00; N 38 00 00, E 124 00 00; N 30 00 00, E 124 00 00; N 29 00 00, E 124 00 00; N 25 00 00, E 120 00 00; N 23 00 00, E 117 30 00; N 23 10 00, E 117 30 00; N 23 30 00, E 117 30 00; N 23 41 00, E 117 13 00; N 23 42 00, E 117 11 00; N 24 22 00, E 116 42 00; N 24 46 00, E 115 01 00; N 25 07 00, E 114 18 00; N 26 03 00, E 114 07 00; N 26 42 00, E 113 57 00; N 29 02 00, E 114 34 00; N 30 05 00, E 115 56 00; N 32 54 00, E 115 47 00; N 35 15 00, E 115 27 00; N 35 42 00, E 115 01 00; N 36 21 00, E 114 55 00; N 36 32 00, E 115 18 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER

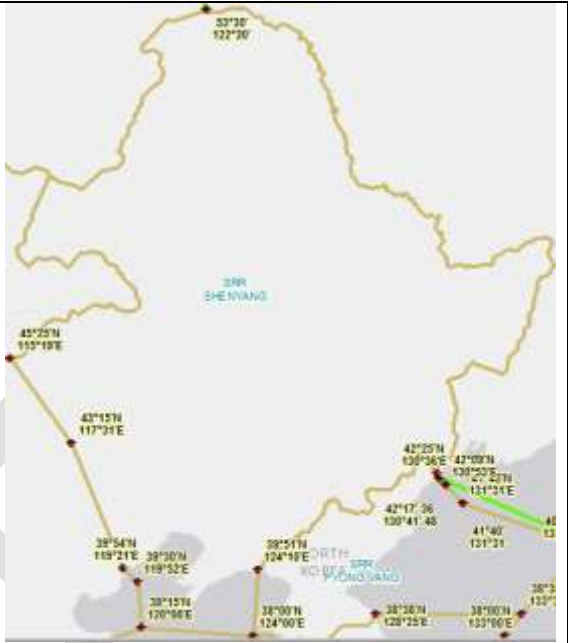
Shenyang SRR (Shenyang FIR- SRR data not aligned)	No information on record	
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TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

Singapore SRR (Singapore FIR)	N 08 25 00, E 116 30 00; N 02 15 00, E 108 30 00; N 01 00 00, E 108 30 00; N 01 00 00, E 108 58 00; GIS inconsistent N 01 00 00, E 108 54 00; thence following the coastline of Borneo from N 01 00 00, E 108 54 00 to N 00 15 00, E 109 00 00; GIS inconsistent N 00 00 00, E 109 10 00; N 00 00 00, E 109 00 00; GIS inconsistent N 00 00 00, E 108 00 00; S 00 50 00, E 106 00 00; N 00 00 00, E 105 10 00; S 00 00 00, E 104 46 00; GIS inconsistent the arc of a circle radius 100NM centered on Singapore Island coordinates? clockwise from S 00 00 00, E 104 46 00 to N 10 39 00, E 102 10 00; GIS inconsistent N 01 38 00, E 102 20 00; N 01 13 00, E 103 30 00; N 01 17 00, E 103 36 00; GIS inconsistent shows N 01 13 E 103 30 thence following the national boundary from N 01 17 00, E 103 36 00 to N 01 20 00, E 104 11 20 (approx) GIS? N 01 20 00, E 104 20 00; N 02 36 00, E 104 45 00; N 03 40 00, E 103 40 00; N 04 50 00, E 103 44 00; N 06 45 00, E 102 40 00; N 07 00 00, E 103 00 00; N 07 00 00, E 108 00 00; N 10 30 00, E 114 00 00; N 08 25 00, E 116 30 00.	 The map displays the Singapore Search and Rescue Region (SRR) and its extension into the South China Sea. It includes the coastline of Singapore, Malaysia, and the northern part of Borneo. Key coordinates are marked along the boundaries, such as 03°40'N 103°40'E, 02°36'N 104°45'E, 01°38'N 102°20'E, 01°13'N 103°30'E, 00°50'S 104°27'E, 00°00'N 103°10'E, 00°50'S 104°00'E, 01°00'N 108°30'E, 01°00'N 108°58'E, 02°15'N 108°30'E, 02°36'N 104°45'E, 03°40'N 103°40'E, 01°38'N 102°20'E, 01°13'N 103°30'E, 00°50'S 104°27'E, 00°00'N 103°10'E, 00°50'S 104°00'E, 01°00'N 108°30'E, 01°00'N 108°58'E, and 02°15'N 108°30'E. The map also shows the SRR for the Philippines and the Indonesian archipelago.
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

DRAFT

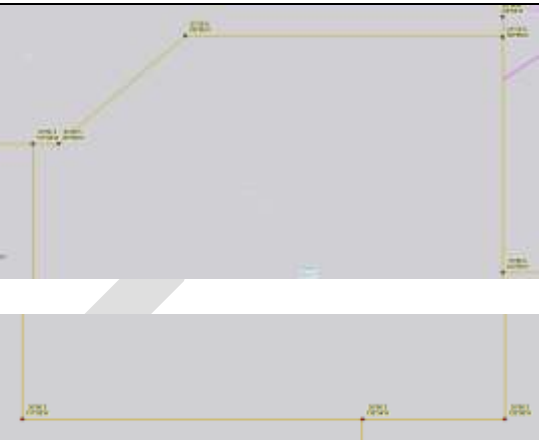
**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Taegu SRR (Incheon FIR)	N 38 38 00, E 133 39 00; N 38 00 00, E 133 00 00; N 37 30 00, E 133 00 00; N 34 40 00, E 129 10 00; N 32 30 00, E 127 30 00; N 32 30 00, E 126 50 00; N 30 00 00, E 125 25 00; N 30 00 00, E 124 00 00; N 38 00 00, E 124 00 00; N 38 00 00, E 124 51 00; following the national boundary from N 38 00 00, E 124 51 00 to N 38 38 00, E 128 22 00; N 38 38 00, E 128 25 00; GIS inconsistent N 38 38 00, E 133 39 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Tahiti SRR (Tahiti FIR)	N 03 30 00, W 120 00 00; S 30 00 00, W 120 00 00; S 30 00 00, W 157 00 00; S 05 00 00, W 157 00 00; S 05 00 00, W 155 00 00; N 03 30 00, W 145 00 00; N 03 30 00, W 120 00 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Taibei SRR (Taibei SRR)	N 29 00 00, E 124 00 00; N 23 30 00, E 124 00 00; N 21 00 00, E 121 30 00; N 21 00 00, E 117 30 00; N 23 00 00, E 117 30 00; N 25 00 00, E 120 00 00; N 29 00 00, E 124 00 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Tokyo SRR (Fukuoka FIR)	N 50 05 00, E 159 00 00; N 43 00 00, E 165 00 00; N 27 00 00, E 165 00 00; N 27 00 00, E 155 00 00; N 21 00 00, E 155 00 00; N 21 00 00, E 121 30 00; N 23 30 00, E 124 00 00; N 30 00 00, E 124 00 00; N 30 00 00, E 125 25 00; N 32 30 00, E 126 50 00; N 32 30 00, E 127 30 00; N 34 40 00, E 129 10 00; N 37 30 00, E 133 00 00; N 38 00 00, E 133 00 00; N 38 38 00, E 133 39 00; N 40 30 00, E 135 56 00; N 45 45 00, E 140 00 00; N 45 45 00, E 142 00 00; N 44 30 00, E 145 40 00; then between Hokkaido and Kunashiri Islands from N 44 30 00, E 145 40 00 to N 43 20 00, E 145 50 00; N 43 00 00, E 146 50 00; N 45 00 00, E 150 00 00; N 50 05 00, E 159 00 00.	 Charts are not to scale and not aligned
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Ujung Pandang SRR (Ujung Pandang FIR-SRR data not aligned)	N 03 30 00, E 133 00 00; N 03 30 00, E 141 00 00; S 09 50 00, E 141 00 00; S 09 50 00, E 139 40 00; S 07 00 00, E 135 00 00; S 09 20 00, E 126 50 00; S 12 00 00, E 123 20 00; S 12 00 00, E 114 30 00; S 08 20 00, E 110 23 00; S 03 00 00, E 110 23 00; N 01 16 00, E 113 37 00; thence following the national boundary to N 04 00 00, E 120 00 00; N 04 00 00, E 132 00 00; N 03 30 00, E 132 00 00; N 03 30 00, E 133 00 00.	
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TABLE SAR I-1 – AERONATICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER

Ulan-Bator Ulaanbaatar SRR (Ulaanbaatar FIR)	N 49 49 47, E 116 42 26 (GIS approx); thence following the national boundary to N 49 49 47, E 116 42 26.	
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TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

Urumqi SRR (Urumqi FIR- SRR data not aligned) Charts shown are not to scale and not aligned	N 42 55 00, E 096 20 00; N 41 48 00, E 095 08 00; N 38 21 00, E 090 13 00; N 30 26 00, E 081 37 00; thence following the national boundary to N 39 29 00, E 073 40 00; thence following the national boundary to N 40 20 00, E 075 50 00; thence following the national boundary to N 42 11 00, E 080 20 00; N 42 55 00, E 096 20 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

Vientiane SRR (Vientiane FIR)	N 17 00 00, E 106 34 00; thence following the national boundary to N 17 00 00, E 106 34 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**

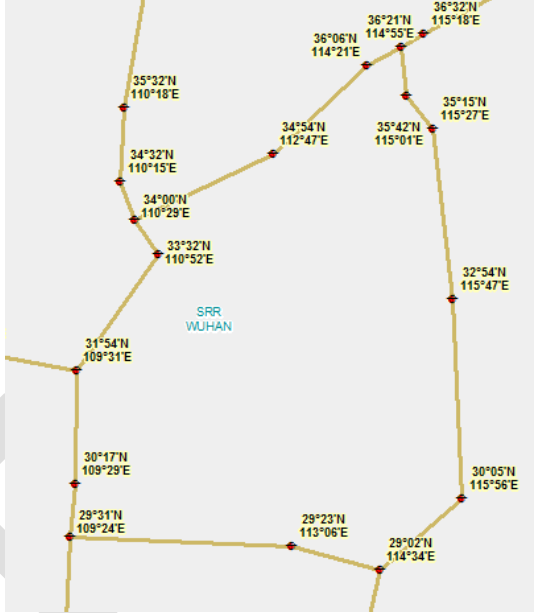
Wuhan SRR (Wuhan FIR- SRR data not aligned)	N 33 32 00, E 110 52 00; N 34 00 00, E 110 29 00; N 34 54 00, E 112 47 00; N 36 06 00, E 114 21 00; N 36 21 00, E 114 55 00; N 35 42 00, E 115 01 00; N 35 15 00, E 115 27 00; N 32 54 00, E 115 47 00; N 30 05 00, E 115 56 00; N 29 02 00, E 114 34 00; N 29 23 00, E 113 06 00; N 29 31 00, E 109 24 00; N 30 17 00, E 109 29 00; N 31 54 00, E 109 31 00; N 33 32 00, E 110 52 00.	 The map displays the Wuhan Search and Rescue Region (SRR) as a polygonal area. The vertices of the polygon are marked with red dots and labeled with their coordinates. The coordinates, starting from the top and moving clockwise, are: 36°32'N 115°18'E, 36°21'N 114°55'E, 36°06'N 114°21'E, 35°42'N 115°01'E, 35°15'N 115°27'E, 32°54'N 115°47'E, 30°05'N 115°56'E, 29°02'N 114°34'E, 29°23'N 113°06'E, 29°31'N 109°24'E, 30°17'N 109°29'E, 31°54'N 109°31'E, 33°32'N 110°52'E, 34°00'N 110°29'E, 34°32'N 110°15'E, and 35°32'N 110°18'E. The text 'SRR WUHAN' is written in blue in the center of the map.
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TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS

NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND ENDORSEMENT BY APANPIRG/29 OR LATER

Yangon SRR Yangon FIR-SRR data not aligned	N 09 56 00, E 098 33 00; coordinate needs to be checked N 10 00 00, E 096 30 00; N 10 00 00, E 094 25 00; there are two different GIS descriptions – one does not have this coordinate – if this coordinate is not part of the description then the Chennai FIR needs to be fixed N 1100 00, E 094 25 00; this coordinate may not be necessary if the corner is at N 10 00 00, E 094 25 00 N 13 30 00, E 094 25 00; N 14 00 00, E 092 00 00; N 20 00 00, E 092 00 00; superfluous N 21 00 00, E 092 00 00; N 21 57 00, E 092 32 00; thence following the national boundary from N 21 57 00, E 092 32 00 to N 09 56 00, E 098 33 00.	
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**TABLE SAR I-1 – AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA
AND PACIFIC REGIONS**

**NOTE: THESE SRR DESCRIPTIONS WILL NOT BE APPROVED UNTIL VERIFICATION AND
ENDORSEMENT BY APANPIRG/29 OR LATER**



THIS IMAGE NOT TO BE USED FOR THE PURPOSES OF SRR DESCRIPTIONS AS IT IS INDICATIVE ONLY OF
THE DATA THAT ICAO HAS BEFORE VERIFICATION

Summary of FIR Status						
State/Administration	FIR Names	Information Received from last State Letter	Data Consistent with GIS	Historic Data Record	Group	Notes
1. Afghanistan	Kabul	N	-	N	1	National boundary but needs a single coordinate as a starting/finishing point for the boundary description – no historical record of a RAN/PfA endorsement of the Kabul FIR
2. Australia	Brisbane Melbourne	Y	N	Y	2	The internal FIR boundary change needed a PfA and there is a boundary mismatch with PNG requiring bilateral discussion. Coordinate accuracy is DD MM SS
3. Bangladesh	Dhaka	Y	N	Y	2	The ICAO source for FIR coordinate N 21 57 E 92 32 was RAN/3 (there was no source for coordinate N 20... The FIR and SRR are out of alignment.
4. Cambodia	Phnom Penh	N	-	N	1	National boundary, but there is a problem of misalignment with the Bangkok FIR boundary that needs bilateral discussion.
5. China	Beijing Guangzhou Kunming Lanzhou Sanya Shanghai Shenyang Urumqi Wuhan	Y	N	Y	2	Many FIRs have been changed internally without PfA. The description of the Urumqi FIR. Within the Shenyang FIR, N 39 30 00 E 124 00 00 missing.
6. Hong Kong, China	Hong Kong	Y	Y	N	2	No historical record.

State/Administration	FIR Names	Information Received from last State Letter	Data Consistent with GIS	Historic Data Record	Group	Notes
7. Democratic Peoples' Republic of Korea	Pyongyang	Y	N	Y	2	Comparing with the Shenyang FIR, coordinate N 39 30 00 E 124 00 00 is missing from Shenyang. Bilateral discussion required.
8. Fiji	Nadi	Y	N	Y	2	Not consistent with historical data
9. French Polynesia (France)	Tahiti	Y	Y	Y	2	No historical record.
10. India	Chennai Delhi Kolkata Mumbai	Y	N	Y	3	PfA has been submitted.
11. Indonesia	Jakarta Ujung Pandang	N	-	Y	1	No PfA for change from Bali/Biak to Ujung Pandang
12. Japan	Fukuoka	Y	Y	Y	4	
13. Lao PDR	Vientiane	N	-	Y	1	National Boundary but needs one starting/finishing point.
14. Malaysia	Kuala Lumpur Kota Kinabalu	N	-	Y	1	Need PfA for change and require discussion with Indonesia
15. Maldives	Male	Y	N	Y	2	No historical record. Missing point N 07 30 00 E 72 00 00
16. Mongolia	Ulaanbaatar	N	-	Y	1	National Boundary but needs one starting/finishing point.
17. Myanmar	Yangon	N	-	Y	1	
18. Nauru	Nauru	N	-	N	1	
19. Nepal	Kathmandu	Y	N	N	3	Revised without PfA.
20. New Zealand	Auckland Oceanic New Zealand	Y	N	Y	2	

State/Administration	FIR Names	Information Received from last State Letter	Data Consistent with GIS	Historic Data Record	Group	Notes
21. Pakistan	Lahore Karachi	Y	Y	N	2	National Boundary
22. Papua New Guinea	Port Moresby	N	N	Y	1	Requested more time to consult with Australia.
23. Philippines	Manila	Y	N	Y	2	Missing point E 08 25 00N E 116 30 00 at Malaysia, Philippines and Singapore FIRB
24. Republic of Korea	Incheon	N	-	Y	1	
25. Singapore	Singapore	Y	N	Y	2	Need PfA for centre of Singapore
26. Solomon Islands	Honiara	N	-	N	1	No historical record.
27. Sri Lanka	Colombo	Y	Y	Y	2	Some coordinates are not consistent with the historical records.
28. Thailand	Bangkok	Y	N	N	2	Revised FIR description without PfA and no historical record.
29. United States of America	Anchorage Oceanic Oakland Oceanic	N	-	Y	3	Have submitted PfA for approval, however many more errors and no revised charts
30. Viet Nam	Ha Noi Ho Chi Minh	N	-	Y	1	

Group 1: Send State Letter to remind State to submit data.

Group 2: Send State Letter to advise inconsistency with historic records and to submit PfA (if GIS is inconsistent with historic record, change GIS).

Group 3: Send State Letter to concerned States to advise need for bi-lateral discussions – submit PfA when there is agreement.

Group 4: Enter information in e-ANP data.

AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS HISTORY DATA RECORDS

State	SRR	Lastest RAN Meeting or PfA Number	Lateral limits coordinates in record	Remarks
Afghanistan	Kabul SRR	No record		
Australia	Australia SRR	APAC 97/07	Cannot open file	
Bangladesh	Dhaka SRR	RAN/3	Amend the southern boundary of Dhaka SRR as follows: 2138N 08910E to 2000N 09200E to 2100N 09200E to 2157N 09232E.	
Cambodia	Phnom Penh SRR	No record		
China	Beijing SRR	RAN/2	Amend the boundaries of Beijing FIR as follows: From N3815 E12000, N3930 E11952, N3954 E11921, N4315 E11731, a point on Sino-Mongolian border, N452317 E1152112, along Sino-Mogolian border line, N414451 E1051345, N4043 E10555, N4020 E10701, N3906 E10759, N3844 E10941, N3822 E11036, N3728 E11044, N3532 E11018, N3432 E11015, N3405 E11029, N3454 E11247, N3606 E11421, N3621 E11455, N3632 E11518, N3729 E11730, N3815 E12000.	
China	Guangzhou SRR	RAN/2	Amend the boundaries of Guangzhou FIR as follows: From N2310 E11730, N2330 E11730, N2342 E11711, N2422 E11642, N2446 E11501, N2507 E11418, N2603 E11407, N2642 E11357, N2902 E11434, N2923 E11306, N2931 E10924, N2753 E10919,	Canton SRR From the point where 10500E intersects the northern national border of the

AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS HISTORY DATA RECORDS

			N2641 E10912, N2525 E10753, N2439 E10548, a point over sino-VietNameese border N231145 E1053230, along Sino-VietNameese border line, N213252 E10800, N1713 E10800, N1740 E10940, N1930 E11130, N2125 E11130, along the territorial limits of China to N2310 E11730.	Democratic Republic of Viet Nam along that border to 10800E, then to 1800N 10800E, 1713N 10800E, 1740N 10940E, 1930N 11130E, 2125N 11130E then along the northern boundary of the Hong Kong FIR to 2340N 11730E, 3500N 11730E, 3500N 10500E, then southwards along the 10500E meridian to the point where it intersects the northern national border of the Democratic Republic of Viet Nam.
China	Hong Kong SRR	No record		
China	Kunming SRR	RAN/2	Amend the boundaries of Kunming FIR as follows: From a point on Sino-Nepalese border,	

AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS HISTORY DATA RECORDS

			N302630 E813730, along Sino-Nepalese, Sino-Sikkim, Sino-Bhutan, Sino-Indian, Sino-Burmese, Sino-Laos and Sino-VietNam border lines, N231145 E1053230, N2439 E10548 N2525 E10753, N2641 E10912, N2753 E10919, N2931 E10924, N3017 E10929, N3154 E10931, N3214 E10724, N3227 E10549, N3255 E10142, N3149 E9835, N3200 E9700, N3252 E9155, N3236 E9000, N302630 E813730	
China	Lanzhou SRR	RAN/2	Amend the boundaries of Lanzhou FIR as follows: From a point on Sino-Mongolian border, N414451 E1053145 along Sino-Mongolia border line N4255 E962014, N4145 E9508, N3821 E9013, N3236 E9000, N3252 E9155, N3200 E9700, N3149 E9835, N3255 E10142, N3227 E10549, N3214 E10724, N3154 E10931, N3332 E11052, N3405 E11029, N3424 E11015, N3532 E11018, N3728 E11044, N3822 E11036, N3844 E10941, N3906 E10759, N4020 E10701, N4043 E10555, N414451 E1051345	
China	Shanghai SRR	RAN/2	From N3800 E12400, N3815 E12000, N3729 E11730, N3632 E11518, N3621 E11455, N3542 E11501, N3515 E11527, N3431 E11555, N3254 E11547, N3005 E11556, N2902 E11434, N2642 E11357, N2603 E11407, N2507 E11418, N2446 E11501, N2422 E11642, N2342 E11711, N2330 E11730, N2300 E11730, N2500 E12000, N2900 E12400, N3800 E12400.	
China	Shenyang SRR	RAN/2	From N3800 E12400, N3815 E12000, N3729 E11730, N3632 E11518, N3621 E11455, N3542 E11501, N3515	

AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS HISTORY DATA RECORDS

			E11527, N3431 E11555, N3254 E11547, N3005 E11556, N2902 E11434, N2642 E11357, N2603 E11407, N2507 E11418, N2446 E11501, N2422 E11642, N2342 E11711, N2330 E11730, N2300 E11730, N2500 E12000, N2900 E12400, N3800 E12400.	
China	Taipei SRR	RAN/2	Amend the boundaries of Taipei FIR as follow; From N2100 E12130, N2100 E11730, N2300 E11730, N2500 E12000, N2900 E12400, N2330 E12400, N2100 E12130.	
China	Urumqi SRR	RAN/2	Amend the boundaries of SRR Urumqi as follow: From a point on Sino-Mongolian border N4255 E962014, along Sino-Mongolia, Sino-Soviet, Sino-Afghanistan, Sino-Pakistani, Sino-Indian and Sino-Nepalese border lines, N302630 E813730, N3236 E9000, N3821 E9013, N4148 E95085, N4255 E962014.	
China	Wuhan SRR	RAN/2	Amend the boundaries of SRR Wuhan as follow; From N3621 E14455, N3606 E11421, N3454 E12247, N3405 E11029, N3332 E11052, N3154 E10931, N3017 E10929, N2931 E10924, N2923 E11306, N2902 E11434, N3005 E11556, N3254 E11547, N3431 E11555, N3515 E11527, N3542 E11501, N3621 E11455	
Democratic	Pyongyang SRR	RAN/1	From 3800N 12400E northwards to the continental China	

AERONATICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS HISTORY DATA RECORDS

People's Republic of Korea			coast; along the northern boundary of the Democratic People's Republic of Korea to the USSR's national border to 4220N 13040E; then to 4033N 13600E, 3838N 13339E, 3838N 12822E then along the armistice line to 3800N 12450E; then to 3800N 12400E	
French Polynesia (France)	Tahiti SRR	RAN/1	Amend the western boundary of the SRR Tahiti as follows: 0500S 15500W, 0500S 17500W, 3000S 15700W, 03000S 14200W.	
India	Bombay SRR	RAN/1	Amend the southern and eastern boundaries of the SRR Bombay as follows: 1200N 0600E, 0500N 6000E, 500N 7120E, 0600N 7200E, 1500N 7200E, 1500N 7600E, 1800N 7600E, 1800N 8100E 1715N 8200E, 2500N 8200E.	
		RAN/2	Amend the southern boundary of the SRR Bombay so as to include the airspace between: N0500 E6000, S0600 E6000, S0600 E6800, Equator E6800, N0500 E7120.	
India	Calcutta	RAN/3	Amend the Calcutta SRR boundary as follows: Beginning of the intersection of the E08340 meridian with the common border of India/Nepal, then East along the border of India/Nepal to the point on common border of Nepal/China/India, then along the border of India/China to the point on common border of India/China/Myanmar, then along the border of India/Myanmar to 2157N 09232E, then	

AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS HISTORY DATA RECORDS

			North along the common border of India/Bangladesh to 2138N 08910E to 2000N 09200E then South along 09200E meridian to 1400N 09200E to 1630N 08300E to 1715N 08200E to 2500N 08200E to 2500N 08300E to 2710N 08300E to 2715N 08340E, then along the 08340E meridian to its intersection with the common border of India/Nepal.	
India	Delhi SRR	No record		
India	Madras SRR	RAN/1	Eastern boundary: 1630N 8300E, 1400N 9200E, 1330N 9425E, 0600N 9425E, 0600N 9200E, 1000N 9200E.	
		RAN/2	Amend the common boundary between Madras FIR and Colombo FIR as follows: N1000 E8200, N0600 E9200	
		RAN/3	Amend the eastern boundary of Madras SRR as follows: From 0600N 09425E to 1000N 09425E to 1000N 09600E to 1100N 09425E to 1330N 09425E.	
Indonesia	Bali SRR	No record		
Indonesia	Biak SRR	RAN/1	Amend te eastern boundary of the Biak SRR as follows: 0330N 14100E, Equator 14100E, along the territorial border of Indonesia/Papua New Guinea to 0937S 14102E, 0950S 14100E, 0950S 14000E.	
Indonesia	Jakarta SRR	RAN/1	Amend the boundaries of the Jakarta SRR as follows:	

AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS HISTORY DATA RECORDS

			0600N 9200E, 0600N 9730E, 0200N 10215E, then anti clockwise along a circle of 100NM radius centered at Singapore to 0000 10446E, 0000 10510E, 0050S 10600E, 0000 10800E, 0000 10900E, then north along the coast line of West Kalimantan to its intersection with the border line between Indonesia and Sarawak then along the Indonesian national boundaries until 0113N 11335E then to 0300S 11023E, 1200S 11023E, 1200S 10700E, 0200S 9200E to 0600N 9200E.	
Indonesia	Ujung Pandang SRR	RAN/1	Rename the Makassar SRR as the Ujung Pandang SRR and amend the boundaries as follows: 0400N 12115E, 0400N 12910E, 0200S 12910E, 0520S 13500E, 0700S 13500E, 0920S 12650E, 0700S 12430E, 0700S 12100E, 0530S 11800E, 0400S 11800E then to 0400N 12115E.	
Fiji	Nadi SRR	RAN/1	Amend the Fiji SRR as the Nandi SRR and amend the lateral limits of the Nandi and Auckland SRRs as follows: Equator 16000E, Equator 17000E, 0330N 17000E, 0330N 18000E, 0500S 18000E, 0500S 15700W, 2000S 15700W, 2000S 16700E, 2500S 17500W, 2500S 17730E, 3100S 16940E, 3200S 16300E, 1400S 16300E, 1400S 15500E, 1200S 15500E, along the amended eastern boundary of Port Moresby FIR to Equator 16000E.	

AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS HISTORY DATA RECORDS

Japan	Tokyo SRR	RAN/1	Amend the northern boundary of the Tokyo SRR as follows: 4300N 14650E, 4500N 15000E, 5005N 15900E, 4300N 16500E. Amend the south western boundary of the Tokyo SRR to include the Okinawa SRR in its entirety.	
Lao PDR	Vientiane SRR	No record		
Malaysia	Kota Kinabalu SRR	RAN/1	0825N 11630E, 0730N 11730E, 0400N 12000E, 0400N 11800E, then along the national boundary of East Malaysia and Indonesia to a point 0100N 10854E then 0100N 10830E, 0215N 10830E, 0825N 11630E.	
Malaysia	Kuala Lumpur SRR	RAN/1	0645N 10240E, 0450N 10344E, 0340N 10340E, 0236N 10445E, 0120N 10420E, along 0120N to the Malaysia national boundary, then along the Malaysia nation boundary to 0117N 10336E, 0113N 10330E, 0200N 10215E, 0600N 9730E, 1000N 9425E, 1000N 9630E, 0715N 9800E, 0630N 9930E, then along the northern border of West Malaysia to 0615N 10215E, 0645N 10240E.	
Maldives	Male SRR	RAN/2	Insert a new SRR Male with boundaries as follows: N0600 E7800, N0600 E7200, Equator E6800, S0600 E6800, S0600 E7500, S0200 E7800, N0600 E7800.	
Mongolia	Ulaanbaatar SRR (former name	RAN/1	national borders of Mongolia	

AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS HISTORY DATA RECORDS

	Ulan Nator)			
Myanmar	Yangon SRR (Rangoon)	RAN/1	Amend the Yangon SRR boundary as follows: Straight lines joining 2100N 09200E, 2157N 09232E, thence North along the border of India/Myanmar to the point on common border of China/India/Myanmar, then along the border of China/Myanmar to the point of common border of China/India/Myanmar, then along border of China/Myanmar to the point of common border of China/Laos PDR/Myanmar, then along the border of Laos PDR/Myanmar to the point of common border of Laos PDR/Myanmar/Thailand, then along the border of Myanmar/Thailand to 1000N 09830E to 1000N 09600E to 1100N 09425E to 1330N 09425E to 1400N 09200E to 2100N 09200E.	
Nauru	Nauru SRR	No record		
Nepal	Kathmandu SRR	No record		
New Zealand	New Zealand SRR	No record		
Pakistan	Karachi SRR	No record		
Pakiatan	Lahore SRR	No record		
Papua New Guinea	Port Moresby SRR	RAN/1	Amend the boundaries of the Port Moresby SRR as follows: Equator 14100E, Equator 16000E, 0450S 16000E, 0450S 15900E along the Papua New Guinea territorial border to	

AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS HISTORY DATA RECORDS

			0800S 15400E, 0800S 15500E, 1200S 15500E 1200S 14400E along the Papua New Guinea territorial border to 0937S 14102E then along the territorial border to Equator 14100E.	
Philippines	Manila SRR	RAN/1	Amend the western boundary of the Manila SRR as follows: 1030N 11400E, 1000N 11430E, 0730N 11520E, 0825N 11630E, 0730N 11730E, 0400N 12000E.	
		RAN/2	Amend the common boundary between Manila and Singapore FIR as follows: 1030N 11400E to 0825N 11630E	
		RAN/3	Amend the eastern boundary of Manila SRR as follows: 2100N 13000E – 0700N 13000E – 0330N 13300E – 0330N 13200E – 0400N 13200E Amend the boundary between Manila SRR and Oakland Oceanic SRR as follows: 2100N 13000E – 0700N 13000E – 0330N 13300E.	
Republic of Korea	Taegu SRR	RAN/1	Amend the Taegu SRR as the Osan SRR and amend the northern boundary as follows: 3800N 12400E, 3800N 12405E, then along the armistice line to 3838N 12822E, then to 3838N 13339E.	

AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS HISTORY DATA RECORDS

Singapore	Singapore SRR	RAN/1	Amend the boundaries of the Singapore SRR as follows: 0645N 10240E, 0700N 10300E, 0700N 10800E, 1030N 11400E, 1000N 11430E, 0730N 11520E, 0215N 10830E, 0100N 10830E, 0100N 10854E, then along the national boundary of Indonesia to 0015N 10900E, then to Equator 10900E, Equator 10800E, 0050S 10600E, Equator 10510E, Equator 10446E, then around an arc 100 NM radius from Singapore International Airport to 0200N 10215E, 0113N 10330E, 0117N 10336E, then along the Singapore national boundary to 0120N 10406E, 0120N 10420E, 0236N 10445E, 0340N 10340E, 0450N 10344E, 0645N 10240E.	
Solomon Islands	Honiara SRR	No record		
Sri Lanka	Colombo SRR	RAN/1	Amend the western boundary of the Colombo SRR as follows: 1000N 8000E, 0600N 7800E, 0600N 7200E, 0500N 7120E, 0500N 6000E, 0600S 6000E,	
		RAN/2	Amend the western boundary of the Colombo FIR as follows: N0600 E7800, S0200 E7800.	
		RAN/3	Amend the common boundary between Colombo and Madras SRR as follows: From N0900 E07930 to N0700 E07830 to N0600 E07630.	

AERONAUTICAL SEARCH AND RESCUE REGIONS (SRR) OF THE ASIA AND PACIFIC REGIONS HISTORY DATA RECORDS

Thailand	Bangkok SRR	No record		
United States	Juneau SRR	RAN/1	Amend the boundaries of Juneau SRR as follows: North Pole, 6500N 16900W, 6000N 18000, 5400N 16900E, 5120N 16200E, 5005N 15900E, 4300N 16500E, 4000N 16500E, 4000N 15000W, 5440N 14000W, 5440N 13600W, 5400N 13600W, thence along the northern boundary of the Vancouver FIR to 5413N 13457W, 543945N 1324100W to the coast at 5442.5N 13036.5W thence along the U.S./Canadian border to its intersection with 141W, thence westward along such coastline to its intersection with 58N, thence due west to the coastline, thence northerly to 141W, thence north to the point of origin.	
United States	Honolulu SRR	No record		
Viet Nam	Hanoi SRR	RAN/1	Lateral limits delineated by the Kunming, Canton, Saigon and Vietniane FIRs.	
Viet Nam	Ho Chi Minh SRR	No record		