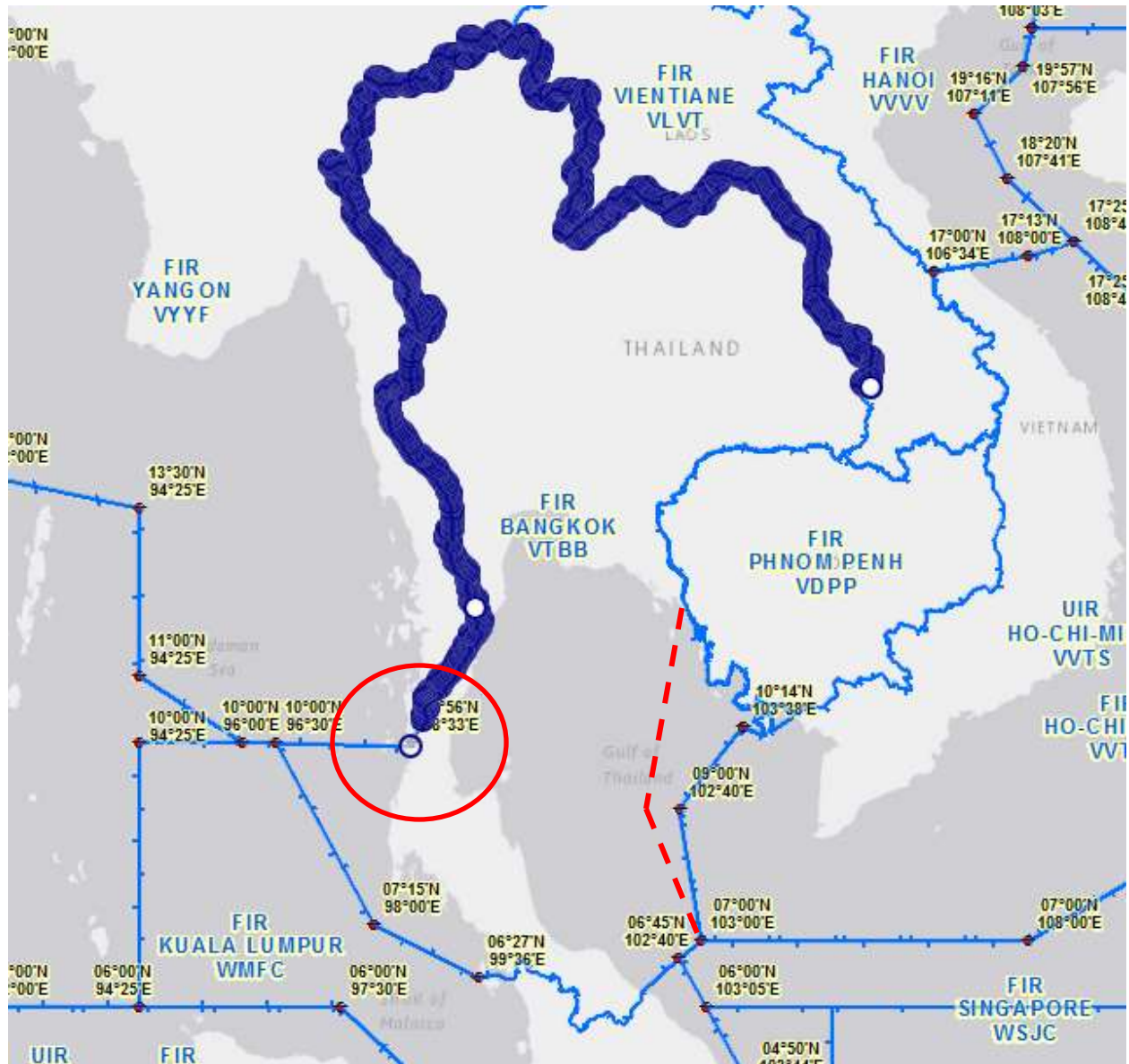


## Bangkok FIR



FIR	ICAO Code	Office	Lat	Long	Lat Input	Long Input
FIR BANGKOK	VTBB	APAC	095600N	0983300E	9.937222	98.55368
Along political boundary						

### Note:

1. Only 1 coordinate point is provided in the GIS system
2. The FIR picture is not correct, it should as in picture.
3. GIS do not provided coordinate at south of BKK FIR

## Hanoi FIR

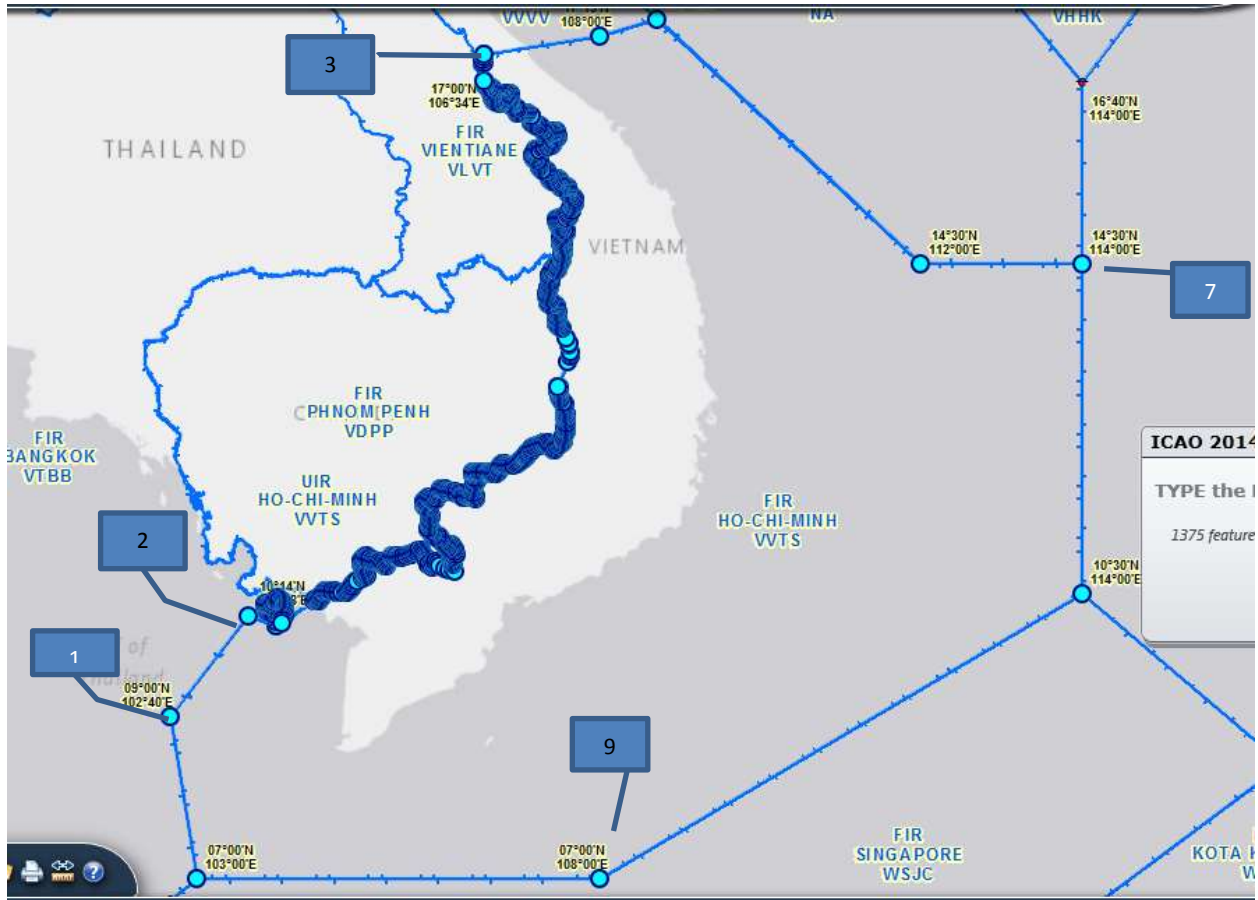


### FIR Point

	FIR	ICAO Code	Office	Lat	Long	Lat Input	Long Input	Type	Comment
1	FIR HANOI	VVVV	APAC	203000N	1080300E	20.5	108.0500031	1	
2	FIR HANOI	VVVV	APAC	195700N	1075600E	19.95000076	107.9333344	1	
3	FIR HANOI	VVVV	APAC	191600N	1071100E	19.26666641	107.1833344	1	
4	FIR HANOI	VVVV	APAC	182000N	1074100E	18.33333206	107.6833344	1	
5	FIR HANOI	VVVV	APAC	172500N	1084300E	17.41666603	108.7166672	1	
6	FIR HANOI	VVVV	APAC	171300N	1080000E	17.21666527	108	1	
7	FIR HANOI	VVVV	APAC	170000N	1063400E	16.99694061	106.5610962	1	
Along political boundary to (8) (Lao PDR/Viet Nam)									
8	FIR HANOI	VVVV	APAC	231100N	1053200E	23.18307114	105.5273972	1	
Along political boundary to (1) (Sanya FIR/Viet Nam)									

Note:

## Ho Chi Minh FIR



FIR Point

	FIR	ICAO Code	Office	Lat	Long	Lat Input	Long Input	Type	Comment
1	FIR HO-CHI-MINH	VVTS	APAC	090000N	1024000E	9	102.6667	1	
2	FIR HO-CHI-MINH	VVTS	APAC	101400N	1033800E	10.23333	103.6333	1	
Along political boundary to (3) (Phnom Penh and Vientiane)									
3	FIR HO-CHI-MINH	VVTS	APAC	170000N	1063400E	16.99694	106.5611	1	
4	FIR HO-CHI-MINH	VVTS	APAC	171300N	1080000E	17.21667	108	1	
5	FIR HO-CHI-MINH	VVTS	APAC	172500N	1084300E	17.41667	108.7167	1	10843E modified
6	FIR HO-CHI-MINH	VVTS	APAC	143000N	1120000E	14.5	112	1	
7	FIR HO-CHI-MINH	VVTS	APAC	143000N	1140000E	14.5	114	1	
8	FIR HO-CHI-MINH	VVTS	APAC	103000N	1140000E	10.5	114	1	
9	FIR HO-CHI-MINH	VVTS	APAC	070000N	1080000E	7	108	1	
10	FIR HO-CHI-MINH	VVTS	APAC	070000N	1030000E	7	103	1	

Note:

Note:

## Jakarta FIR



### FIR Point

	FIRNOMPTS	ICAO_CODE	REGION	LATdms	LONGdms	LAT	LONG	FIR_P	COMMENTS
1	FIR JAKARTA	WIIZ	APAC	013800N	1022000E	1.633333	102.3333	1	
Arc X radius from Singapore VOR (Shane information) to 2									
2	FIR JAKARTA	WIIZ	APAC	005000S	1060000E	-0.83333	106	1	
3	FIR JAKARTA	WIIZ	APAC	010000N	1085800E	1	108.9667	1	
4	FIR JAKARTA	WIIZ	APAC	011600N	1133700E	1.251389	113.6164	1	
5	<b>FIR JAKARTA</b>	<b>WIIZ</b>	<b>APAC</b>	<b>030000S</b>	<b>1102300E</b>	<b>-3</b>	<b>110.3833</b>	<b>1</b>	<b>APAC05/10</b>
6	<b>FIR JAKARTA</b>	<b>WIIZ</b>	<b>APAC</b>	<b>082000S</b>	<b>1102300E</b>	<b>-8.33333</b>	<b>110.3833</b>	<b>1</b>	
7	<b>FIR JAKARTA</b>	<b>WIIZ</b>	<b>APAC</b>	<b>120000S</b>	<b>1143000E</b>	<b>-12</b>	<b>114.5</b>	<b>1</b>	
8	FIR JAKARTA	WIIZ	APAC	120000S	1100000E	-12	110	1	
9	<b>FIR JAKARTA</b>	<b>WIIZ</b>	<b>APAC</b>	<b>120000S</b>	<b>1070000E</b>	<b>-12</b>	<b>107</b>	<b>1</b>	<b>APAC05/10</b>
10	FIR JAKARTA	WIIZ	APAC	020000S	0920000E	-2	92	1	
11	FIR	WIIZ	APAC	060000N	0920000E	6	92	1	

	JAKARTA								
12	FIR JAKARTA	WIIZ	APAC	060000N	0942500E	6	94.41667	1	
13	FIR JAKARTA	WIIZ	APAC	060000N	0973000E	6	97.5	1	

Note:

1. APAC05/10 - Delete Bali and Biak FIR, New alignment of the Jakarta and Ujung Pandang FIR boundaries

### Kota Kinabalu FIR



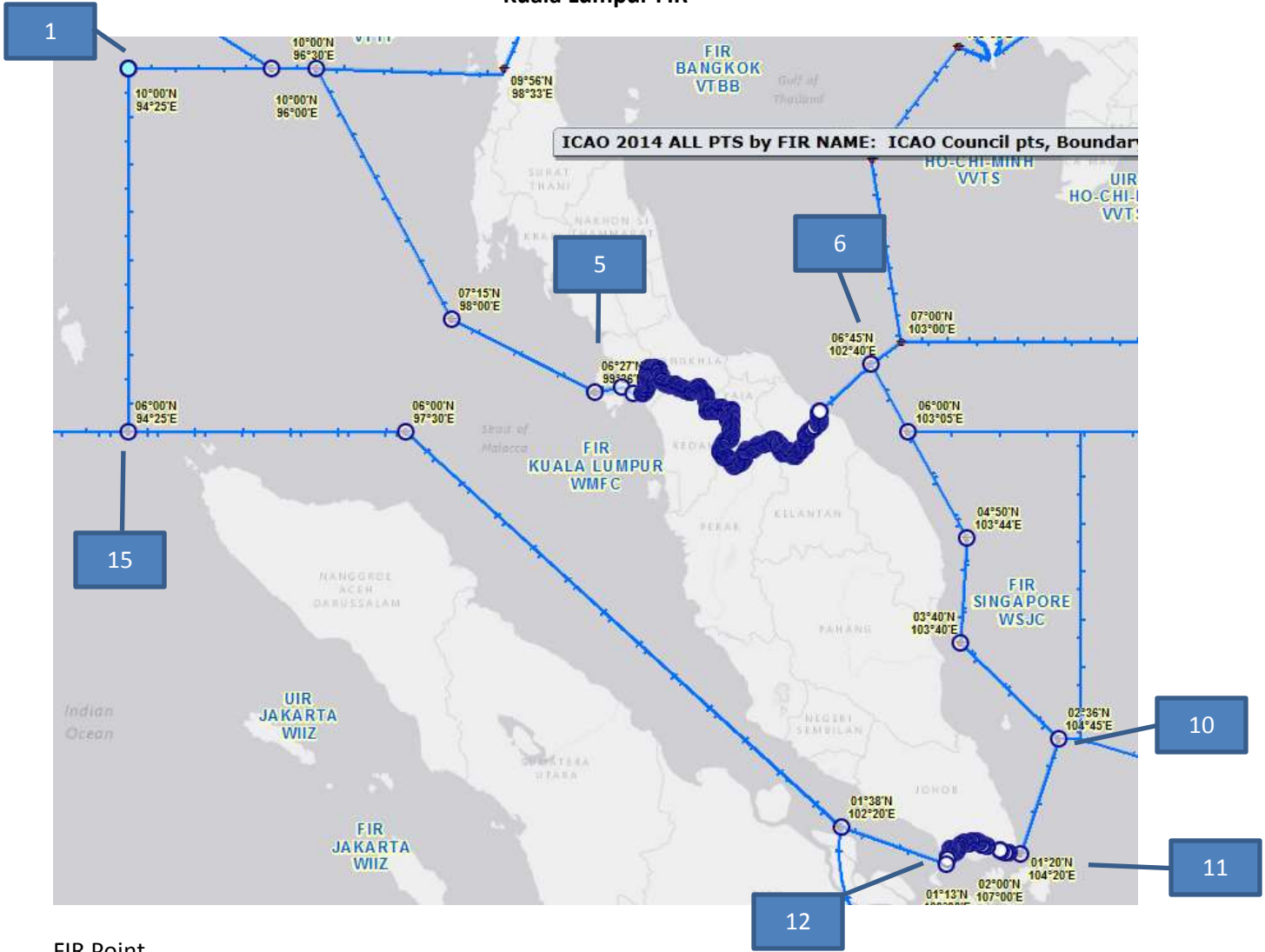
#### FIR Point

	FIRNOMPTS	ICAO_CODE	REGION	LATdms	LONGdms	LAT	LONG
1	FIR KOTA KINABALU	WBFC	APAC	073000N	1173000E	7.5	117.5
2	FIR KOTA KINABALU	WBFC	APAC	040000N	1200000E	4	120
Along political boundary to (3)							
3	FIR KOTA KINABALU	WBFC	APAC	011600N	1133700E	1.25138879	113.6164
Along political boundary to (4)							
4	FIR KOTA KINABALU	WBFC	APAC	010000N	1085800E	1	108.9667
5	FIR KOTA KINABALU	WBFC	APAC	010000N	1083000E	1	108.5
6	FIR KOTA KINABALU	WBFC	APAC	020000N	1083000E	2	108.5
7	FIR KOTA KINABALU	WBFC	APAC	021500N	1083000E	2.25	108.5
8	FIR KOTA KINABALU	WBFC	APAC	060000N	1131500E	6	113.25
9	FIR KOTA KINABALU	WBFC	APAC	082500N	1163000E	8.416666	116.5

Note:



## Kuala Lumpur FIR



FIR Point

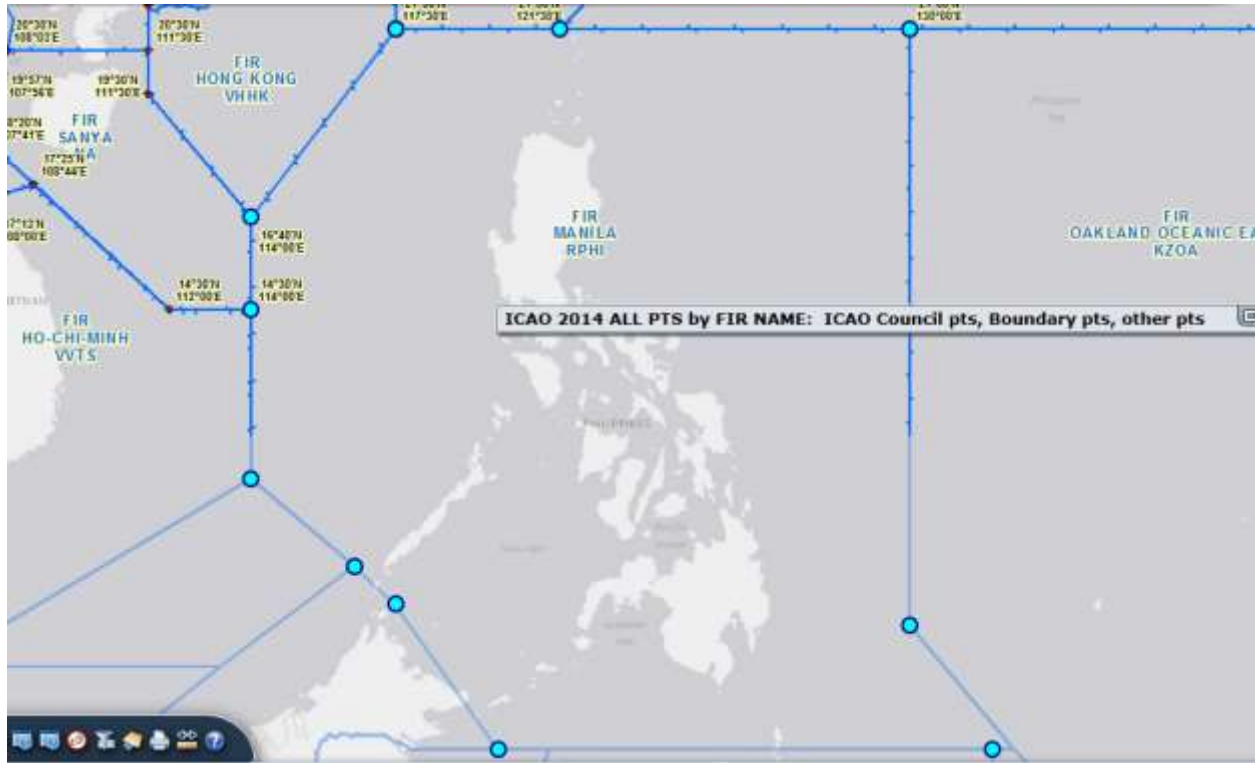
	FIRNOMPTS	ICAO_CODE	REGION	LATdms	LONGdms	LAT	LONG	FIR_P	COMMENTS
1	FIR KUALA LUMPUR	WMFC	APAC	100000N	0942500E	10	94.41667	1	
2	FIR KUALA LUMPUR	WMFC	APAC	100000N	0960000E	10	96	1	
3	FIR KUALA LUMPUR	WMFC	APAC	100000N	0963000E	10	96.5	1	
4	FIR KUALA LUMPUR	WMFC	APAC	071500N	0980000E	7.25	98	1	
5	FIR KUALA LUMPUR	WMFC	APAC	062700N	0993600E	6.45	99.6	1	
	Along political boundary to (6)								
6	FIR KUALA LUMPUR	WMFC	APAC	064500N	1024000E	6.75	102.6667	1	



7	FIR KUALA LUMPUR	WMFC	APAC	060000N	1030500E	6	103.0833	1	
8	FIR KUALA LUMPUR	WMFC	APAC	045000N	1034400E	4.833333	103.7333	1	
9	FIR KUALA LUMPUR	WMFC	APAC	034000N	1034000E	3.666666	103.6667	1	
10	FIR KUALA LUMPUR	WMFC	APAC	023600N	1044500E	2.6	104.75	1	
11	FIR KUALA LUMPUR	WMFC	APAC	012000N	1042000E	1.333333	104.3333	1	latlong error
Along political boundary to (12)									
12	FIR KUALA LUMPUR	WMFC	APAC	011300N	1033000E	1.216666	103.5	1	LATLONG error
13	FIR KUALA LUMPUR	WMFC	APAC	013800N	1022000E	1.633333	102.3333	1	
14	FIR KUALA LUMPUR	WMFC	APAC	060000N	0973000E	6	97.5	1	
15	FIR KUALA LUMPUR	WMFC	APAC	060000N	0942500E	6	94.41667	1	

Note:

## Manila FIR



### FIR Point

	FIRNOMPTS	ICAO_CODE	REGION	LATdms	LONGdms	LAT	LONG	FIR_P	COMMENTS
1	FIR MANILA	RPHI	APAC	210000N	1173000E	21	117.5	1	
2	FIR MANILA	RPHI	APAC	210000N	1213000E	21	121.5	1	
3	FIR MANILA	RPHI	APAC	210000N	1300000E	21	130	1	
4	FIR MANILA	RPHI	APAC	070000N	1300000E	7	130	1	
5	FIR MANILA	RPHI	APAC	033000N	1330000E	3.5	133	1	
6	FIR MANILA	RPHI	APAC	033000N	1320000E	3.5	132	1	
7	FIR MANILA	RPHI	APAC	040000N	1320000E	4	132	1	
8	FIR MANILA	RPHI	APAC	040000N	1200000E	4	120	1	
9	FIR MANILA	RPHI	APAC	073000N	1173000E	7.5	117.5	1	
10	<b>FIR MANILA</b>	<b>RPHI</b>	<b>APAC</b>	<b>082500N</b>	<b>1163000E</b>	<b>8.416666</b>	<b>116.5</b>	<b>1</b>	<b>As RAN/2 meeting</b>
11	<b>FIR MANILA</b>	<b>RPHI</b>	<b>APAC</b>	<b>103000N</b>	<b>1140000E</b>	<b>10.5</b>	<b>114</b>	<b>1</b>	
12	FIR MANILA	RPHI	APAC	143000N	1140000E	14.5	114	1	
13	FIR MANILA	RPHI	APAC	164000N	1140000E	16.66667	114	1	

Note:

- RAN/2 Meeting: the common boundary between Manila and Singapore FIR

## Phnom Penh FIR



### FIR Point

FIRNOMPTS	ICAO_CODE	REGION	LATdms	LONGdms	LAT	LONG	FIR_P	COMMENTS
FIR PHNOM PENH	VDPP	APAC			11.61746	105.8164	1	also in FIR Ho-Chi-Minh?

### Note:

- No Ho-Chi-Minh UIR
- No historical data was found

## Sanya FIR



### FIR Point

FIRNOMPTS	ICAO_CODE	REGION	LATdms	LONGdms	LAT	LONG	FIR_P	COMMENTS
FIR SANYA	NA	APAC	203000N	1080300E	20.5	108.05	1	20°30'N108°03'E
FIR SANYA	NA	APAC	203000N	1113000E	20.5	111.5	1	20°30'N111°30'E
FIR SANYA	NA	APAC	193000N	1113000E	19.5	111.5	1	19°30'N111°30'E
FIR SANYA	NA	APAC	164000N	1140000E	16.66667	114	1	16°40'N114°00'E
FIR SANYA	NA	APAC	143000N	1140000E	14.5	114	1	14°30'N114°00'E
FIR SANYA	NA	APAC	143000N	1120000E	14.5	112	1	14°30'N112°00'E
FIR SANYA	NA	APAC	172500N	1084300E	17.41667	108.7167	1	14°30'N112°00'E
FIR SANYA	NA	APAC	182000N	1074100E	18.33333	107.6833	1	18°20'N107°41'E
FIR SANYA	NA	APAC	191600N	1071100E	19.26667	107.1833	1	19°16'N107°11'E
FIR SANYA	NA	APAC	195700N	1075600E	19.95	107.9333	1	19°57'N107°56'E

### Note:

1. APAC 05/16 - **Add** a requirement for the Sanya FIR
2. Coordinate Point N2000.0 E10800.0, [delineation to be determined] missing from GIS data

## Singapore FIR



### FIR Point

FIRNOMPTS	ICAO_CODE	REGION	LATdms	LONGdms	LAT	LONG	FIR_P	COMMENTS
FIR SINGAPORE	WSJC	APAC	023600N	1044500E	2.6	104.75	1	
FIR SINGAPORE	WSJC	APAC	034000N	1034000E	3.666666	103.6667	1	
FIR SINGAPORE	WSJC	APAC	045000N	1034400E	4.833333	103.7333	1	
FIR SINGAPORE	WSJC	APAC	060000N	1030500E	6	103.0833	1	
FIR SINGAPORE	WSJC	APAC	064500N	1024000E	6.75	102.6667	1	
FIR SINGAPORE	WSJC	APAC	070000N	1030000E	7	103	1	
FIR SINGAPORE	WSJC	APAC	070000N	1080000E	7	108	1	
<b>FIR</b>	<b>WSJC</b>	<b>APAC</b>	<b>103000N</b>	<b>1140000E</b>	<b>10.5</b>	<b>114</b>	<b>1</b>	

<b>SINGAPORE</b>								<b>As RAN/2 Meeting</b>
<b>FIR SINGAPORE</b>	<b>WSJC</b>	<b>APAC</b>	<b>082500N</b>	<b>1163000E</b>	<b>8.416666</b>	<b>116.5</b>	<b>1</b>	
FIR SINGAPORE	WSJC	APAC	060000N	1131500E	6	113.25	1	
FIR SINGAPORE	WSJC	APAC	021500N	1083000E	2.25	108.5	1	
FIR SINGAPORE	WSJC	APAC	020000N	1083000E	2	108.5	1	
FIR SINGAPORE	WSJC	APAC	010000N	1083000E	1	108.5	1	
FIR SINGAPORE	WSJC	APAC	010000N	1085800E	1	108.9667	1	Straight to coast?
FIR SINGAPORE	WSJC	APAC	000000N	1091000E	0	109.1562	1	
FIR SINGAPORE	WSJC	APAC	000000N	1080000E	0	108	1	
FIR SINGAPORE	WSJC	APAC	005000S	1060000E	-0.83333	106	1	
FIR SINGAPORE	WSJC	APAC	000000N	1051000E	0	105.1667	1	
FIR SINGAPORE	WSJC	APAC	000000S	1045700E	0	104.95	1	
FIR SINGAPORE	WSJC	APAC	013800N	1022000E	1.633333	102.3333	1	
FIR SINGAPORE	WSJC	APAC	011300N	1033000E	1.216666	103.5	1	
FIR SINGAPORE	WSJC	APAC	012000N	1042000E	1.333333	104.3333	1	

Note:

- RAN/2 Meeting: the common boundary between Manila and Singapore
- Singapore has 1 FIR (not 3 FIRs as depicted in GIS).



## Ujung Pandang FIR



### FIR Point

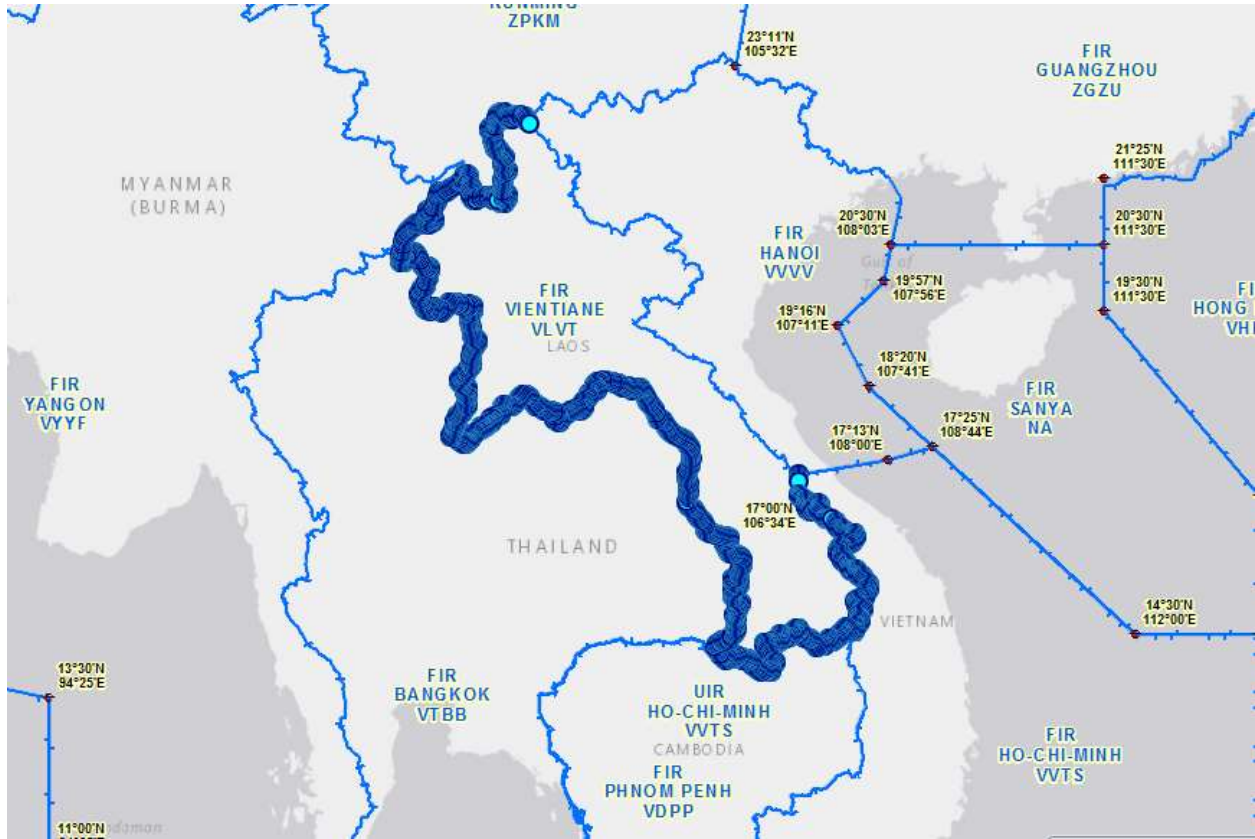
	FIRNOMPTS	ICAO_CODE	REGION	LATdms	LONGdms	LAT	LONG	FIR_P	COMMENTS
1	FIR UJUNG PANDANG	WAAZ	APAC	033000N	1330000E	3.5	133	1	
2	FIR UJUNG PANDANG	WAAZ	APAC	033000N	1410000E	3.5	141	1	
3	FIR UJUNG PANDANG	WAAZ	APAC	095000S	1410000E	-9.83333	141	1	
4	FIR UJUNG PANDANG	WAAZ	APAC	095000S	1394000E	-9.83333	139.6667	1	
5	FIR UJUNG PANDANG	WAAZ	APAC	070000S	1350000E	-7	135	1	
6	FIR UJUNG PANDANG	WAAZ	APAC	092000S	1265000E	-9.33333	126.8333	1	
7	FIR UJUNG PANDANG	WAAZ	APAC	120000S	1232000E	-12	123.3333	1	
8	FIR UJUNG PANDANG	WAAZ	APAC	120000S	1143000E	-12	114.5	1	
9	FIR UJUNG PANDANG	WAAZ	APAC	082000S	1102300E	-8.33333	110.3833	1	
10	FIR UJUNG PANDANG	WAAZ	APAC	030000S	1102300E	-3	110.3833	1	
11	FIR UJUNG PANDANG	WAAZ	APAC	011600N	1133700E	1.251389	113.6164	1	01 13 N 113 35 E then along the national

									border between Indonesia and Malaysia
12	FIR UJUNG PANDANG	WAAZ	APAC	040000N	1200000E	4	120	1	
13	FIR UJUNG PANDANG	WAAZ	APAC	040000N	1320000E	4	132	1	
14	FIR UJUNG PANDANG	WAAZ	APAC	033000N	1320000E	3.5	132	1	

Note:

1. APAC01/10 - Delete Bali and Biak FIR, New alignment of the Jakarta and Ujung Pandang FIR boundaries

## Vientiane FIR



### FIR Point

FIRNOMPTS	ICAO_CODE	REGION	LATdms	LONGdms	LAT	LONG	FIR_P	Comment
FIR VIENTIANE	VLVT	APAC	170000N	1063400E	16.99694	106.5611	1	

Note: