

## GEN 4.2 AIR NAVIGATION SERVICES CHARGES

### ROUTE AIR NAVIGATION SERVICES (RANS) CHARGES

#### 1 GENERAL

1.1 All civil aircraft operating in the following areas of the Jakarta FIR ("airspace concerned") will be levied a RANS charge, collected by the Government of the Republic of Singapore on behalf of and for the Government of the Republic of Indonesia:

The area bounded by 031727N 1052959E 012450N 1061648E 001030N 1045656E 000000N 1050340E 000000N 1044330E thence around the arc of a circle radius 90 NM centred on 011324N 1035124E to 013430N 1022353E 011300N 1033000E 011408N 1033142E 011200N 1033900E 011046N 1034015E 010800N 1034500E 011500N 1040000E 011800N 1043000E 012921N 1043441E 011947N 1044606E 021838N 1052205E 023641N 1051311E 024348N 1050854E 025010N 1051210E 031453N 1052619E 031727N 1052959E

Vertical limit: SFC to FL370 (refer to Chart A at page GEN 4.2–7), excluding the Tanjungpinang Terminal Control Area and Control Zone.

#### 2 RANS CHARGES

2.1 The formula for computing RANS charges in the airspace concerned is as follows:

RANS Charge = Unit Rate X Route Unit

(a) The Unit Rate is: US\$0.65

(b) The computation of the Route Unit is as follows:

Route Unit = Distance Factor (DF) X Weight Factor  
where

Distance Factor = Great Circle Distance / 100 KM

Great Circle Distance below 100KM is computed as 1 Distance Factor

Weight Factor is based on the Weight Factor Table (refer to GEN 4.2–3).

#### 3 EXEMPTION FROM RANS CHARGES

3.1 No charge will be levied for the following types of flights in Table 1 below. Operators should insert "STS/" with the reason for special handling in Item 18 of the ICAO flight plan per Table 1 below.

*Table 1: Exemptions from RANS charges*

	Types of flights exempted from RANS charges	Indicator of reason for special handling by ATS in Item 18 of ICAO Flight Plan
a.	All non-civil flights	STS/STATE
b.	State aircraft belonging to Republic of Indonesia and Republic of Singapore	STS/STATE
c.	VVIP flights such as aircraft used by a Head of State/ Government and his group	STS/HEAD
d.	Aircraft used for search and rescue purposes	STS/SAR
e.	Aircraft which have obtained exemption from the Directorate General of Civil Aviation, Indonesia	STS/DGCA EXR
f.	Aircraft which CAAS exempts from landing charges	STS/CAAS EXR
g.	Aircraft used for natural disaster management	STS/HUM

3.2 CAAS will not collect RANS charges for all flights between Indonesian airports.

#### 4 COLLECTION OF RANS CHARGES

4.1 CAAS will collect the RANS charges and remit them to the Directorate General of Civil Aviation, Indonesia.

4.2 Operators will be billed by CAAS on a monthly basis. Payment must be made to CAAS within 14 days of the date of issuance of the invoice. Payment is to be made in United States Dollars and shall include all bank charges such as agent banks' charges.

#### 5 PERSON LIABLE TO PAY RANS CHARGES

5.1 The person liable to pay the charges is the operator of the aircraft at the time of the flight concerned. If the operator of the aircraft is not known, the owner of the aircraft shall be liable.

#### 6 QUERIES ON LEVYING/BILLING OF RANS CHARGES

6.1 Please direct any questions regarding the levying and billing of RANS charges to:

Civil Aviation Authority of Singapore  
Finance Division (Revenue)  
60 Airport Boulevard, #04-01, Changi Airport Terminal 2  
Singapore 819643

TEL : (65) 65412069 or 65412042

FAX : (65) 65423952

EMAIL : [caas\\_collection\\_office@caas.gov.sg](mailto:caas_collection_office@caas.gov.sg)

Chart A - Airspace in the Jakarta FIR where Singapore collects RANS charges on behalf of and for Indonesia - GEN 4.2-7

**Appendix A: Weight factor table**

No.	MTOW			Weight Factor
	x 1,000 Kg			
1.	0	-	17.77	10
2.	17.78	-	20.02	11
3.	20.03	-	22.32	12
4.	22.33	-	24.67	13
5.	24.68	-	27.07	14
6.	27.08	-	29.51	15
7.	29.52	-	31.99	16
8.	32.00	-	34.51	17
9.	34.52	-	37.07	18
10.	37.08	-	39.66	19
11.	39.67	-	42.28	20
12.	42.29	-	44.94	21
13.	44.95	-	47.64	22
14.	47.65	-	50.36	23
15.	50.37	-	53.11	24
16.	53.12	-	55.89	25
17.	55.90	-	58.70	26
18.	58.71	-	61.54	27
19.	61.55	-	64.40	28
20.	64.41	-	67.29	29
21.	67.30	-	70.20	30
22.	70.21	-	73.14	31
23.	73.15	-	76.10	32
24.	76.11	-	79.08	33
25.	79.09	-	82.09	34
26.	82.10	-	85.12	35
27.	85.13	-	88.14	36
28.	88.15	-	91.24	37

No.	MTOW			Weight Factor
	x 1,000 Kg			
29.	91.25	-	94.34	38
30.	94.35	-	97.45	39
31.	97.46	-	100.58	40
32.	100.59	-	103.74	41
33.	103.75	-	106.91	42
34.	106.92	-	110.10	43
35.	110.11	-	113.31	44
36.	113.32	-	116.54	45
37.	116.55	-	119.79	46
38.	119.80	-	123.05	47
39.	123.06	-	126.33	48
40.	126.34	-	129.63	49
41.	129.64	-	132.95	50
42.	132.96	-	136.28	51
43.	136.29	-	139.63	52
44.	139.64	-	142.99	53
45.	143.00	-	146.37	54
46.	146.38	-	149.77	55
47.	149.78	-	153.18	56
48.	153.19	-	156.61	57
49.	156.62	-	160.05	58
50.	160.06	-	163.51	59
51.	163.52	-	166.98	60
52.	166.99	-	170.47	61
53.	170.48	-	173.97	62
54.	173.98	-	177.48	63
55.	177.49	-	181.01	64
56.	181.02	-	184.55	65
57.	184.56	-	188.11	66
58.	188.12	-	191.68	67
59.	191.69	-	195.26	68
60.	195.27	-	198.86	69
61.	198.87	-	202.47	70
62.	202.48	-	206.09	71
63.	206.10	-	209.72	72
64.	209.73	-	213.37	73
65.	213.38	-	217.03	74
66.	217.04	-	220.70	75
67.	220.71	-	224.39	76
68.	224.40	-	228.08	77
69.	228.09	-	231.79	78
70.	231.80	-	235.51	79
71.	235.52	-	239.25	80
72.	239.26	-	243.99	81
73.	243.00	-	246.75	82

No.	MTOW			Weight Factor
	x 1,000 Kg			
74.	246.76	-	250.51	83
75.	250.52	-	254.29	84
76.	254.30	-	258.08	85
77.	258.09	-	261.88	86
78.	261.89	-	265.69	87
79.	265.70	-	269.52	88
80.	269.53	-	273.35	89
81.	273.36	-	277.20	90
82.	277.21	-	281.05	91
83.	281.06	-	284.92	92
84.	284.93	-	288.79	93
85.	288.80	-	292.68	94
86.	292.69	-	296.58	95
87.	296.59	-	300.49	96
88.	300.50	-	304.40	97
89.	304.41	-	308.33	98
90.	308.34	-	312.27	99
91.	312.28	-	316.22	100
92.	316.23	-	320.18	101
93.	320.19	-	324.14	102
94.	324.15	-	328.12	103
95.	328.13	-	332.11	104
96.	332.12	-	336.10	105
97.	336.11	-	340.11	106
98.	340.12	-	344.13	107
99.	344.14	-	348.15	108
100.	348.16	-	352.18	109
101.	352.19	-	356.23	110
102.	356.24	-	360.28	111
103.	360.29	-	364.34	112
104.	364.35	-	368.41	113
105.	368.42	-	372.49	114
106.	372.50	-	376.58	115
107.	376.59	-	380.68	116
108.	380.69	-	384.79	117
109.	384.80	-	388.90	118
110.	388.91	-	393.03	119
111.	393.04	-	397.16	120
112.	397.17	-	401.30	121
113.	401.31	-	405.45	122
114.	405.46	-	409.61	123
115.	409.62	-	413.78	124
116.	413.79	-	417.95	125
117.	417.96	-	422.14	126
118.	422.15	-	426.33	127

No.	MTOW			Weight Factor
	x 1,000 Kg			
119.	426.34	-	430.53	128
120.	430.54	-	434.74	129
121.	434.75	-	438.95	130
122.	438.96	-	443.18	131
123.	443.19	-	447.41	132
124.	447.42	-	451.65	133
125.	451.66	-	455.90	134
126.	455.91	-	460.16	135
127.	460.17	-	464.42	136
128.	464.43	-	468.70	137
129.	468.71	-	472.98	138
130.	472.99	-	477.26	139
131.	477.27	-	481.56	140
132.	481.57	-	485.86	141
133.	485.87	-	490.18	142
134.	490.19	-	494.49	143
135.	494.50	-	498.82	144
136.	498.83	-	503.15	145
137.	503.16	-	507.50	146
138.	507.51	-	511.84	147
139.	511.85	-	516.20	148
140.	516.21	-	520.56	149
141.	520.57	-	524.94	150
142.	524.95	-	529.31	151
143.	529.32	-	533.70	152
144.	533.71	-	538.09	153
145.	538.10	-	542.49	154
146.	542.50	-	546.90	155
147.	546.91	-	551.31	156
148.	551.32	-	555.73	157
149.	555.74	-	560.16	158
150.	560.17	-	564.60	159
151.	564.61	-	569.04	160
152.	569.05	-	573.49	161
153.	573.50	-	577.94	162
154.	577.95	-	528.41	163
155.	582.42	-	586.88	164
156.	586.89	-	591.35	165
157.	591.36	-	595.84	166
158.	595.85	-	600.33	167
159.	600.34	-	604.85	168
160.	604.83	-	609.33	169
161.	609.34	-	613.84	170
162.	613.85	-	618.36	171
163.	618.37	-	622.88	172

No.	MTOW			Weight Factor
	x 1,000 Kg			
164.	622.89	-	627.41	173
165.	627.42	-	631.95	174
166.	631.96	-	636.49	175
167.	636.50	-	641.04	176
168.	641.05	-	645.59	177
169.	645.60	-	650.16	178
170.	650.17	-	654.73	179
171.	654.74	-	659.30	180
172.	659.31	-	663.88	181
173.	663.89	-	668.47	182
174.	668.48	-	673.07	183
175.	673.08	-	677.67	184
176.	677.68	-	682.27	185
177.	682.28	-	686.89	186
178.	686.90	-	691.51	187
179.	691.52	-	696.13	188
180.	696.14	-	700.76	189
181.	700.77	-	and so forth	190

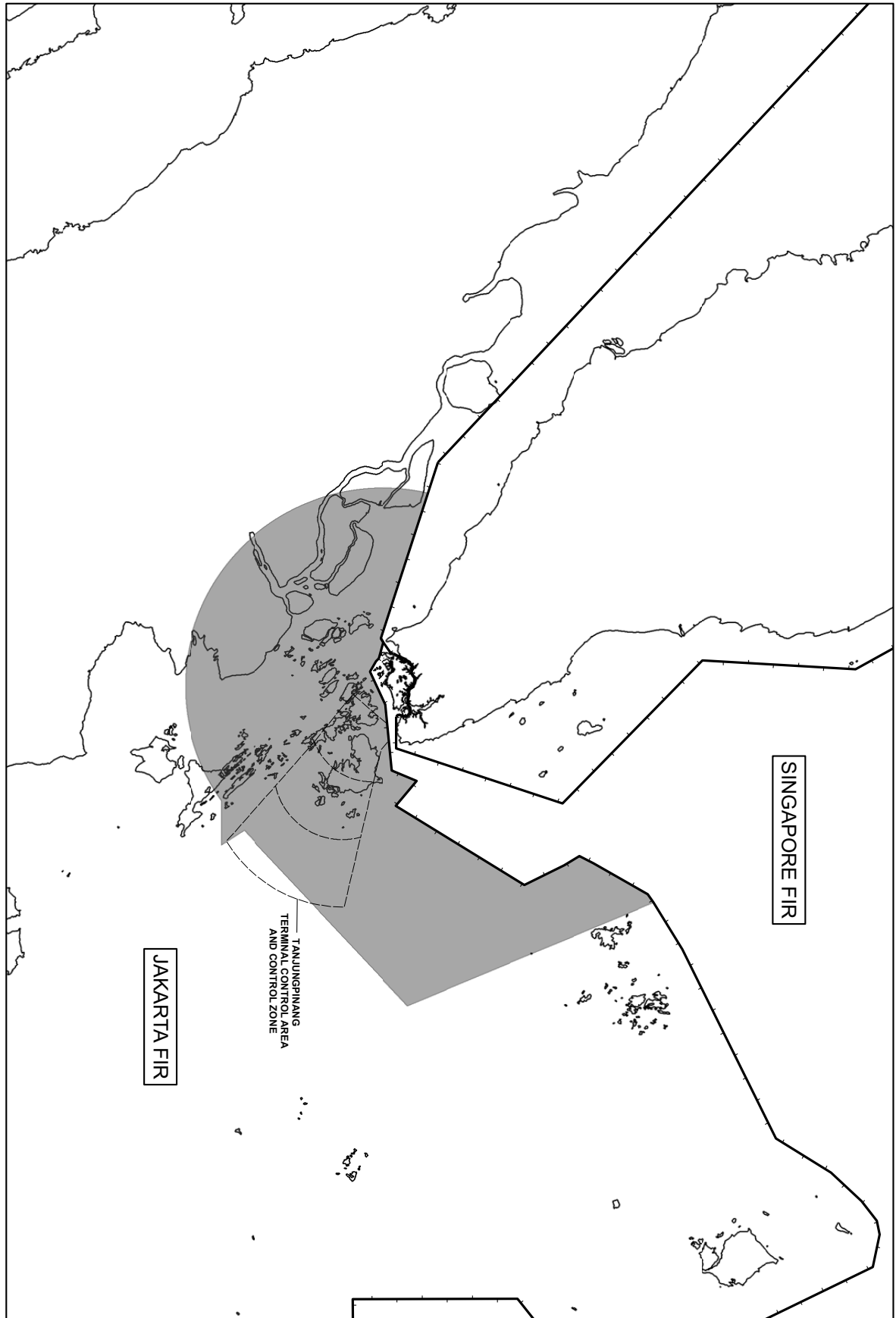


Chart A - Airspace in the Jakarta FIR where Singapore collects RANS charges on behalf of and for Indonesia

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