

Contact

Post:

AERONAUTICAL
INFORMATION SERVICES
Civil Aviation Authority of
Singapore,
Singapore Changi Airport,
P. O. Box 1
Singapore 918141

Tel: (65) 64227036

Fax: (65) 64410221

Email: caas_singaporeais@caas.gov.sg

AMDT
03/2025
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12 JUN 2025
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12 JUN 2025

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1. Significant information and changes.

1.1 Singapore FIR

- a. Updated route remarks for ATS routes W24, W26, B470 and T25 in AIP Section ENR 3.1 and ENR 3.2 respectively.

1.2 Singapore Changi Airport

- a. With immediate effect the CAAS' registered and mailing address has been changed to the following:
60 Airport Boulevard, #04-01, Changi Airport Terminal 2, Singapore 819643
- b. Updated AIP Section WSSS AD 2.22 - Flight and Ground Procedures
- c. Updated AIP Section GEN 1.2, sub-section 2 - Application for Slots at Singapore Changi Airport

2. This amendment incorporates information contained in the listed NOTAM and AIP Supplements which is hereby superseded:

NIL

Amended Pages

GEN 0.2-3:	: replace.
GEN 0.3-1/2:	: replace.
GEN 0.3-3/4:	: replace.
GEN 0.3-5/6:	: replace.
GEN 0.4-1/2:	: replace.
GEN 0.4-3:	: replace.
GEN 1.1-1/2:	: replace.
GEN 1.2-1/2:	: replace.
GEN 1.3-5/6:	: replace.
GEN 1.6-1/2:	: replace.
GEN 1.6-3/4:	: replace.
GEN 3.1-1/2:	: replace.
GEN 3.2-3/4:	: replace.
GEN 3.3-1/2:	: replace.
GEN 3.4-1/2:	: replace.
GEN 3.5-1/2:	: replace.
GEN 4.2-1/2:	: replace.
ENR 1.11-1:	: replace.
ENR 1.14-1/2:	: replace.
ENR 3.1-7/8:	: replace.
ENR 3.1-15/16:	: replace.
ENR 3.1-17/18:	: replace.
ENR 3.2-37/38:	: replace.

ENR 3.6-1/2: : *replace.*
ENR 4.4-1/2: : *replace.*
ENR 4.4-3/4: : *replace.*
ENR 4.4-5/6: : *replace.*
ENR 4.4-7: : *replace.*
AD 2.WSSS-35/36: : *replace.*
AD-2-WSSS-ADC-2 to 2.1: : *replace.*
AD-2-WSSS-ADC-3: : *replace.*
AD-2-WSSS-AOC-1: : *replace.*
AD-2-WSSS-AOC-3: : *replace.*

AIP AMENDMENT

NR/Year	Publication date	Date inserted	Inserted by
02/2023	20 APR 2023	20 APR 2023	
03/2023	15 JUN 2023	15 JUN 2023	
04/2023	10 AUG 2023	10 AUG 2023	
05/2023	05 OCT 2023	05 OCT 2023	
06/2023	30 NOV 2023	30 NOV 2023	
01/2024	25 JAN 2024	25 JAN 2024	
02/2024	21 MAR 2024	21 MAR 2024	
03/2024	16 MAY 2024	16 MAY 2024	
04/2024	11 JUL 2024	11 JUL 2024	
05/2024	05 SEP 2024	05 SEP 2024	
06/2024	31 OCT 2024	31 OCT 2024	
07/2024	26 DEC 2024	26 DEC 2024	
01/2025	20 FEB 2025	20 FEB 2025	
02/2025	17 APR 2025	17 APR 2025	
03/2025	12 JUN 2025	12 JUN 2025	

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GEN 0.3 RECORD OF CURRENT AIP SUPPLEMENTS

NR/Year	Subject	AIP section(s) affected	Period of validity (from/to)	Cancellation record
059/2020	Singapore Changi Airport - Long term closure of aircraft stand E20 at Terminal 2, Singapore Changi Airport	AD	25 AUG 2020 / 30 DEC 2026	
006/2024	Paya Lebar Airport - Cranes	AD	11 JAN 2024 / 31 DEC 2025	
007/2024	Paya Lebar Airport - Luffing Cranes	AD	11 JAN 2024 / 31 DEC 2025	
017/2024	Singapore Changi Airport - Closure of aircraft stand 504 at West Cargo Apron	AD	22 FEB 2024 / 31 OCT 2025	
020/2024	Paya Lebar Airport - Saddle Cranes	AD	08 FEB 2024 / 31 DEC 2025	
023/2024	Paya Lebar Airport - Luffing Tower Crane	AD	08 FEB 2024 / 30 JUN 2025	
036/2024	Paya Lebar Airport - Cranes	AD	08 FEB 2024 / 17 JUN 2025	
038/2024	Paya Lebar Airport - Luffer Cranes	AD	08 FEB 2024 / 17 JUN 2025	
044/2024	Paya Lebar Airport - Luffer Cranes	AD	08 FEB 2024 / 31 AUG 2025	
047/2024	Paya Lebar Airport - Luffing Cranes	AD	08 FEB 2024 / 30 DEC 2025	
048/2024	Paya Lebar Airport - Cranes	AD	08 FEB 2024 / 31 DEC 2025	
056/2024	Singapore Changi Airport - Updated closure schedules for Runway 02L/20R and Runway 02C/20C	AD	31 MAR 2024 / 30 SEP 2025	
083/2024	Singapore Changi Airport - Decommissioning of aircraft stands E1 and F30 and temporary closure of taxiways R1, R2, R3 and aircraft stands E2, E3, E4, F31, F32, F33 and F34 due to construction work activities at Terminal 2	AD	09 MAY 2024 / 03 JAN 2028	
094/2024	Paya Lebar Airport - Crawler Crane	AD	09 MAY 2024 / 30 SEP 2025	
104/2024	Paya Lebar Airport - Mobile Cranes	AD	25 JUL 2024 / 02 JUL 2025	
105/2024	Paya Lebar Airport - Mobile Crane	AD	25 JUL 2024 / 02 JUL 2025	
106/2024	Paya Lebar Airport - Flat-Top Cranes	AD	25 JUL 2024 / 01 JUL 2025	
107/2024	Paya Lebar Airport - Mobile Crane	AD	25 JUL 2024 / 07 JUL 2025	
108/2024	Paya Lebar Airport - Mobile Crane	AD	25 JUL 2024 / 31 JUL 2025	
109/2024	Paya Lebar Airport - Mobile Crane	AD	25 JUL 2024 / 09 JUL 2025	
110/2024	Paya Lebar Airport - Telescopic Crawler Crane	AD	25 JUL 2024 / 01 JUL 2025	
111/2024	Paya Lebar Airport - Mobile Crane	AD	25 JUL 2024 / 31 AUG 2025	
112/2024	Paya Lebar Airport - Luffing Cranes	AD	25 JUL 2024 / 17 JUN 2025	
113/2024	Paya Lebar Airport - Luffer Crane	AD	25 JUL 2024 / 14 JUN 2025	
114/2024	Paya Lebar Airport - Tower Crane	AD	25 JUL 2024 / 16 JUN 2025	
120/2024	Paya Lebar Airport - Cranes	AD	15 AUG 2024 / 31 JUL 2025	

NR/Year	Subject	AIP section(s) affected	Period of validity (from/to)	Cancellation record
121/2024	Paya Lebar Airport - Topless Cranes	AD	15 AUG 2024 / 22 JUL 2025	
122/2024	Paya Lebar Airport - Mobile Crane	AD	15 AUG 2024 / 03 AUG 2025	
123/2024	Paya Lebar Airport - Cranes	AD	15 AUG 2024 / 15 JUL 2025	
124/2024	Paya Lebar Airport - Luffing Tower Crane	AD	15 AUG 2024 / 14 JUL 2025	
125/2024	Paya Lebar Airport - Mobile Crane	AD	15 AUG 2024 / 30 JUL 2025	
127/2024	Paya Lebar Airport - Topless Tower Cranes	AD	15 AUG 2024 / 08 JUL 2025	
128/2024	Paya Lebar Airport - Mobile Cranes	AD	15 AUG 2024 / 08 JUL 2025	
134/2024	Singapore Changi Airport - Temporary closure of Taxilane N4 behind aircraft stand 604 and downgrade of aircraft stand 603 to Code C	AD	30 AUG 2024 / 02 OCT 2025	
137/2024	Paya Lebar Airport - Mobile Crane	AD	12 SEP 2024 / 28 SEP 2025	
140/2024	Paya Lebar Airport - Mobile Crane	AD	12 SEP 2024 / 11 AUG 2025	
141/2024	Paya Lebar Airport - Topless Cranes	AD	12 SEP 2024 / 13 AUG 2025	
142/2024	Paya Lebar Airport - Luffing Cranes	AD	12 SEP 2024 / 31 AUG 2025	
143/2024	Paya Lebar Airport - Crawler Cranes	AD	12 SEP 2024 / 25 AUG 2025	
144/2024	Paya Lebar Airport - Topless Tower Cranes	AD	12 SEP 2024 / 31 AUG 2025	
145/2024	Paya Lebar Airport - Mobile Crane	AD	12 SEP 2024 / 19 JUN 2025	
146/2024	Paya Lebar Airport - Mobile Cranes	AD	12 SEP 2024 / 20 AUG 2025	
147/2024	Paya Lebar Airport - Mobile Crane	AD	12 SEP 2024 / 07 SEP 2025	
148/2024	Paya Lebar Airport - Cranes	AD	12 SEP 2024 / 31 AUG 2025	
149/2024	Paya Lebar Airport - Mobile Cranes	AD	12 SEP 2024 / 31 JUL 2025	
155/2024	Paya Lebar Airport - Mobile Crane	AD	17 OCT 2024 / 11 SEP 2025	
156/2024	Paya Lebar Airport - Topless Cranes	AD	17 OCT 2024 / 03 SEP 2025	
157/2024	Paya Lebar Airport - Obstacles	AD	17 OCT 2024 / 05 SEP 2025	
158/2024	Paya Lebar Airport - Mobile Crane	AD	17 OCT 2024 / 17 SEP 2025	
159/2024	Paya Lebar Airport - Mobile Cranes	AD	17 OCT 2024 / 31 JUL 2025	
160/2024	Paya Lebar Airport - Mobile Crane	AD	17 OCT 2024 / 19 SEP 2025	
161/2024	Paya Lebar Airport - Mobile Crane	AD	17 OCT 2024 / 31 OCT 2025	
162/2024	Paya Lebar Airport - Cranes	AD	17 OCT 2024 / 31 JUL 2025	
163/2024	Paya Lebar Airport - Mobile Crane	AD	17 OCT 2024 / 31 JUL 2025	
164/2024	Paya Lebar Airport - Cranes	AD	17 OCT 2024 / 30 SEP 2025	

NR/Year	Subject	AIP section(s) affected	Period of validity (from/to)	Cancellation record
171/2024	Paya Lebar Airport - Mobile Crane	AD	17 OCT 2024 / 10 NOV 2025	
174/2024	Singapore Changi Airport - Closure of Taxiways associated with Runway 02R/20L	AD	28 NOV 2024 / 22 DEC 2027	
176/2024	Singapore Changi Airport - Use of construction lasers, locations of automatic total station and concrete blocks to support construction activities at Terminal 2	AD	28 OCT 2024 / 05 OCT 2026	
177/2024	Paya Lebar Airport - Mobile Crane	AD	14 NOV 2024 / 15 NOV 2025	
178/2024	Paya Lebar Airport - Cranes	AD	14 NOV 2024 / 31 DEC 2025	
181/2024	Paya Lebar Airport - Mobile Crane	AD	14 NOV 2024 / 30 NOV 2025	
183/2024	Paya Lebar Airport - Mobile Cranes	AD	14 NOV 2024 / 31 JUL 2025	
185/2024	Paya Lebar Airport - Mobile Crane	AD	14 NOV 2024 / 31 DEC 2025	
186/2024	Paya Lebar Airport - Mobile Crane	AD	14 NOV 2024 / 31 DEC 2025	
187/2024	Paya Lebar Airport - Luffer Cranes	AD	14 NOV 2024 / 31 DEC 2025	
188/2024	Paya Lebar Airport - Cranes	AD	14 NOV 2024 / 31 DEC 2025	
190/2024	Paya Lebar Airport - Crawler Crane	AD	14 NOV 2024 / 20 OCT 2025	
192/2024	Paya Lebar Airport - Topless Cranes	AD	14 NOV 2024 / 30 NOV 2025	
193/2024	Paya Lebar Airport - Crawler Tower Cranes	AD	14 NOV 2024 / 31 DEC 2025	
194/2024	Paya Lebar Airport - Tower Cranes	AD	14 NOV 2024 / 31 DEC 2025	
195/2024	Paya Lebar Airport - Flat-Top Cranes	AD	14 NOV 2024 / 31 DEC 2025	
196/2024	Paya Lebar Airport - Mobile Crane	AD	14 NOV 2024 / 01 NOV 2025	
197/2024	Paya Lebar Airport - Cranes	AD	14 NOV 2024 / 15 DEC 2025	
198/2024	Paya Lebar Airport - Tower Cranes	AD	14 NOV 2024 / 15 NOV 2025	
199/2024	Singapore Changi Airport - Long term closure of aircraft stand E5 at Terminal 2, Singapore Changi Airport	AD	26 DEC 2024 / 30 OCT 2025	
201/2024	Paya Lebar Airport - Mobile Cranes	AD	12 DEC 2024 / 31 OCT 2025	
202/2024	Paya Lebar Airport - Mobile Cranes	AD	12 DEC 2024 / 31 OCT 2025	
203/2024	Paya Lebar Airport - Mobile Cranes	AD	12 DEC 2024 / 31 OCT 2025	
204/2024	Paya Lebar Airport - Crawler Crane	AD	12 DEC 2024 / 30 NOV 2025	
205/2024	Paya Lebar Airport - Topless Cranes	AD	12 DEC 2024 / 30 NOV 2025	
206/2024	Paya Lebar Airport - Mobile Crane	AD	12 DEC 2024 / 31 JUL 2025	
208/2024	Paya Lebar Airport - Cranes	AD	12 DEC 2024 / 30 DEC 2025	
209/2024	Paya Lebar Airport - Cranes	AD	12 DEC 2024 / 30 DEC 2025	

NR/Year	Subject	AIP section(s) affected	Period of validity (from/to)	Cancellation record
211/2024	Paya Lebar Airport - Mobile Crane	AD	31 DEC 2024 / 30 JUN 2025	
212/2024	Paya Lebar Airport - Mobile Crane	AD	31 DEC 2024 / 31 OCT 2025	
218/2024	Seletar Airport - Closure of helicopter landing area	AD	30 DEC 2024 / 31 DEC 2025	
002/2025	Paya Lebar Airport - Mobile Cranes	AD	24 JAN 2025 / 31 DEC 2025	
003/2025	Paya Lebar Airport - Truck Crane	AD	24 JAN 2025 / 31 DEC 2025	
004/2025	Paya Lebar Airport - Luffing Tower Crane	AD	24 JAN 2025 / 30 DEC 2025	
005/2025	Paya Lebar Airport - Topless Tower Cranes	AD	24 JAN 2025 / 31 DEC 2025	
006/2025	Paya Lebar Airport - Tower Crane	AD	24 JAN 2025 / 31 DEC 2025	
009/2025	Paya Lebar Airport - Mobile Crane	AD	24 JAN 2025 / 31 DEC 2025	
010/2025	Paya Lebar Airport - Luffing Crane	AD	24 JAN 2025 / 31 DEC 2025	
011/2025	Paya Lebar Airport - Mobile Cranes	AD	24 JAN 2025 / 31 JUL 2025	
012/2025	Paya Lebar Airport - Mobile Cranes	AD	24 JAN 2025 / 30 JUN 2025	
013/2025	Paya Lebar Airport - Cranes	AD	24 JAN 2025 / 14 DEC 2025	
014/2025	Paya Lebar Airport - Mobile Crane	AD	24 JAN 2025 / 31 DEC 2025	
015/2025	Paya Lebar Airport - Mobile Crane	AD	24 JAN 2025 / 31 DEC 2025	
016/2025	Paya Lebar Airport - Flat Top Cranes	AD	24 JAN 2025 / 31 DEC 2025	
017/2025	Paya Lebar Airport - Luffing Cranes	AD	24 JAN 2025 / 31 DEC 2025	
018/2025	Paya Lebar Airport - Flat Top Cranes	AD	24 JAN 2025 / 31 DEC 2025	
019/2025	Paya Lebar Airport - Tower Cranes	AD	24 JAN 2025 / 31 DEC 2025	
020/2025	Paya Lebar Airport - Tower Cranes	AD	24 JAN 2025 / 31 DEC 2025	
021/2025	Paya Lebar Airport - Luffer Cranes	AD	24 JAN 2025 / 31 DEC 2025	
022/2025	Paya Lebar Airport - Cranes	AD	24 JAN 2025 / 31 DEC 2025	
024/2025	Paya Lebar Airport - Luffing Cranes	AD	17 FEB 2025 / 01 DEC 2025	
025/2025	Paya Lebar Airport - Luffer Crane	AD	17 FEB 2025 / 31 DEC 2025	
026/2025	Paya Lebar Airport - Tower Crane	AD	17 FEB 2025 / 31 AUG 2025	
027/2025	Paya Lebar Airport - Crawler Cranes	AD	17 FEB 2025 / 30 DEC 2025	
028/2025	Paya Lebar Airport - Cranes	AD	17 FEB 2025 / 31 DEC 2025	
029/2025	Paya Lebar Airport - Cranes	AD	17 FEB 2025 / 31 DEC 2025	
030/2025	Paya Lebar Airport - Topless Cranes	AD	17 FEB 2025 / 31 DEC 2025	
031/2025	Paya Lebar Airport - Mobile Crane	AD	17 FEB 2025 / 30 JUN 2025	

NR/Year	Subject	AIP section(s) affected	Period of validity (from/to)	Cancellation record
032/2025	Paya Lebar Airport - Mobile Crane	AD	17 FEB 2025 / 30 JUN 2025	
033/2025	Paya Lebar Airport - Mobile Crane	AD	17 FEB 2025 / 30 JUN 2025	
034/2025	Paya Lebar Airport - Flat Top Cranes	AD	17 FEB 2025 / 31 JAN 2026	
035/2025	Airport closures and airspace restrictions in support of aerial activities prior to and on Singapore's National Day, 09 August 2025	AD	27 MAY 2025 / 16 AUG 2025	
036/2025	Singapore Changi Airport - Steel and frangible frames and frangible posts	AD	28 FEB 2025 / 02 JAN 2026	
037/2025	Singapore Changi Airport - Updated information and data for Runway 02R/20L	AD	20 MAR 2025 / 03 SEP 2025	
038/2025	Singapore Changi Airport - Closure of aircraft stand 604 at East Cargo Apron	AD	17 APR 2025 / 19 FEB 2026	
039/2025	Singapore Changi Airport - Closure of taxiway N1 behind aircraft stand 517L	AD	17 APR 2025 / 07 AUG 2025	
040/2025	Paya Lebar Airport - Mobile Crane	AD	11 MAR 2025 / 20 MAR 2026	
041/2025	Paya Lebar Airport - Tower Cranes	AD	11 MAR 2025 / 31 DEC 2025	
043/2025	Paya Lebar Airport - Cranes	AD	11 MAR 2025 / 12 FEB 2026	
044/2025	Paya Lebar Airport - Cranes	AD	11 MAR 2025 / 31 JAN 2026	
045/2025	Paya Lebar Airport - Luffing Cranes	AD	11 MAR 2025 / 31 DEC 2025	
046/2025	Paya Lebar Airport - Mobile Crane	AD	11 MAR 2025 / 15 JAN 2026	
047/2025	Paya Lebar Airport - Cranes	AD	11 MAR 2025 / 31 DEC 2025	
048/2025	Paya Lebar Airport - Cranes	AD	11 MAR 2025 / 31 DEC 2025	
049/2025	Paya Lebar Airport - Cranes	AD	11 MAR 2025 / 31 DEC 2026	
050/2025	Paya Lebar Airport - Cranes	AD	10 APR 2025 / 01 MAR 2026	
051/2025	Paya Lebar Airport - Cranes	AD	10 APR 2025 / 05 MAR 2026	
052/2025	Paya Lebar Airport - Cranes	AD	10 APR 2025 / 07 MAR 2026	
053/2025	Paya Lebar Airport - Cranes	AD	10 APR 2025 / 30 SEP 2025	
054/2025	Paya Lebar Airport - Cranes	AD	10 APR 2025 / 05 MAR 2026	
055/2025	Paya Lebar Airport - Cranes	AD	10 APR 2025 / 27 MAR 2026	
056/2025	Paya Lebar Airport - Crane	AD	10 APR 2025 / 31 JUL 2025	
057/2025	Paya Lebar Airport - Crane	AD	10 APR 2025 / 31 DEC 2025	
058/2025	Paya Lebar Airport - Crane	AD	10 APR 2025 / 31 JUL 2025	
059/2025	Paya Lebar Airport - Cranes	AD	10 APR 2025 / 31 JUL 2025	
060/2025	Paya Lebar Airport - Crane	AD	10 APR 2025 / 31 DEC 2025	
061/2025	Paya Lebar Airport - Cranes	AD	10 APR 2025 / 31 DEC 2025	

NR/Year	Subject	AIP section(s) affected	Period of validity (from/to)	Cancellation record
062/2025	Paya Lebar Airport - Crane	AD	10 APR 2025 / 30 SEP 2025	
063/2025	Paya Lebar Airport - Cranes	AD	10 APR 2025 / 31 DEC 2025	
064/2025	Singapore Changi Airport - Apply minimum thrust at east cargo apron	AD	05 MAY 2025 / 28 FEB 2026	
065/2025	Singapore Changi Airport - Temporary fixed objects at aircraft stand 504 and strips of runway 02L/20R, taxiways N2, W, W3, M4 and M, use of survey lasers, solar panels and concrete slabs	AD	26 MAY 2025 / 31 AUG 2027	
066/2025	Paya Lebar Airport - Cranes	AD	15 MAY 2025 / 30 NOV 2025	
067/2025	Paya Lebar Airport - Crane	AD	15 MAY 2025 / 14 APR 2026	
068/2025	Paya Lebar Airport - Cranes	AD	15 MAY 2025 / 17 APR 2026	
069/2025	Paya Lebar Airport - Cranes	AD	15 MAY 2025 / 22 APR 2026	
070/2025	Paya Lebar Airport - Cranes	AD	15 MAY 2025 / 26 APR 2026	
071/2025	Paya Lebar Airport - Cranes	AD	15 MAY 2025 / 17 APR 2026	
072/2025	Paya Lebar Airport - Mobile Crane	AD	15 MAY 2025 / 31 DEC 2025	
073/2025	Paya Lebar Airport - Cranes	AD	15 MAY 2025 / 31 JUL 2025	
074/2025	Paya Lebar Airport - Cranes	AD	15 MAY 2025 / 31 JUL 2025	
075/2025	Paya Lebar Airport - Cranes	AD	15 MAY 2025 / 01 MAY 2026	
076/2025	Paya Lebar Airport - Cranes	AD	15 MAY 2025 / 01 MAY 2026	
077/2025	Paya Lebar Airport - Crane	AD	15 MAY 2025 / 31 DEC 2025	
078/2025	Paya Lebar Airport - Cranes	AD	15 MAY 2025 / 01 MAY 2026	
079/2025	Paya Lebar Airport - Cranes	AD	15 MAY 2025 / 02 MAY 2026	
080/2025	Paya Lebar Airport - Cranes	AD	15 MAY 2025 / 01 MAY 2026	
081/2025	Paya Lebar Airport - Crane	AD	15 MAY 2025 / 03 AUG 2025	
082/2025	Singapore Changi Airport - Implementation of pattern "B" runway holding position for runway 02L/20R	AD	29 JUN 2025 PERM	
083/2025	Paya Lebar Airport - Cranes	AD	29 MAY 2025 / 31 DEC 2026	
084/2025	Paya Lebar Airport - Crane	AD	29 MAY 2025 / 31 DEC 2026	

GEN 0.4 CHECKLIST OF AIP PAGES

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GEN 0.2-2	23 FEB 2023	GEN 3.2-3	31 MAR 2016	ENR 1.6-8	21 MAR 2024
GEN 0.2-3	12 JUN 2025	GEN 3.2-4	12 JUN 2025	ENR 1.6-9	25 JAN 2024
GEN 0.3-1	12 JUN 2025	GEN 3.2-5	31 OCT 2024	ENR 1.6-10	21 MAR 2024
GEN 0.3-2	12 JUN 2025	GEN 3.2-6	19 MAY 2022	ENR 1.7-1	21 MAR 2024
GEN 0.3-3	12 JUN 2025	GEN 3.3-1	12 JUN 2025	ENR 1.7-2	16 MAY 2024
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GEN 0.3-5	12 JUN 2025	GEN 3.4-1	12 JUN 2025	ENR 1.7-4	11 JUL 2024
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GEN 0.4-1	12 JUN 2025	GEN 3.4-3	10 SEP 2020	ENR 1.7-6	16 MAY 2024
GEN 0.4-2	12 JUN 2025	GEN 3.4-4	19 MAY 2022	ENR 1.7-7	16 MAY 2024
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GEN 1.2-6	21 MAR 2024	GEN 3.6-2	21 MAR 2024	ENR 1.8-14	16 MAY 2024
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GEN 1.4-1	17 APR 2025	GEN 4.2-6	31 OCT 2024	ENR 1.8-25	31 OCT 2024
GEN 1.4-2	17 APR 2025	GEN 4.2-7	31 OCT 2024	ENR 1.8-26	31 OCT 2024
GEN 1.4-3	05 SEP 2024	Part 2 – EN-ROUTE (ENR)		ENR 1.8-27	31 OCT 2024
GEN 1.5-1	21 MAR 2024	ENR 0		ENR 1.8-28	31 OCT 2024
GEN 1.6-1	12 JUN 2025	ENR 0.6-1	16 MAY 2024	ENR 1.8-29	31 OCT 2024
GEN 1.6-2	12 JUN 2025	ENR 0.6-2	16 MAY 2024	ENR 1.8-30	31 OCT 2024
GEN 1.6-3	12 JUN 2025	ENR 0.6-3	16 MAY 2024	ENR 1.9-1	16 MAY 2024
GEN 1.6-4	12 JUN 2025	ENR 0.6-4	31 OCT 2024	ENR 1.9-2	16 MAY 2024
GEN 1.7-1	08 SEP 2022	ENR 0.6-5	16 MAY 2024	ENR 1.9-3	16 MAY 2024
GEN 1.7-2	23 FEB 2023	ENR 0.6-6	05 SEP 2024	ENR 1.9-4	16 MAY 2024
GEN 1.7-3	20 FEB 2025	ENR 1		ENR 1.9-5	16 MAY 2024
GEN 1.7-4	25 JAN 2024	ENR 1.1-1	16 MAY 2024	ENR 1.10-1	16 MAY 2024
GEN 2		ENR 1.1-2	16 MAY 2024	ENR 1.10-2	16 MAY 2024
GEN 2.1-1	24 MAR 2022	ENR 1.1-3	16 MAY 2024	ENR 1.10-3	21 MAR 2024
GEN 2.1-2	17 APR 2025	ENR 1.1-4	16 MAY 2024	ENR 1.11-1	12 JUN 2025
GEN 2.2-1	02 MAR 2017	ENR 1.1-5	16 MAY 2024	ENR 1.12-1	12 NOV 2015
GEN 2.2-2	02 MAR 2017	ENR 1.1-6	16 MAY 2024	ENR 1.12-2	12 NOV 2015
GEN 2.2-3	21 MAR 2024	ENR 1.1-7	16 MAY 2024	ENR 1.12-3	12 NOV 2015
GEN 2.2-4	21 MAR 2024	ENR 1.1-8	16 MAY 2024	ENR 1.12-4	17 APR 2025
GEN 2.2-5	21 MAR 2024	ENR 1.1-9	16 MAY 2024	ENR 1.13-1	12 NOV 2015
GEN 2.3-1	12 NOV 2015	ENR 1.1-10	16 MAY 2024	ENR 1.14-1	16 MAY 2024
GEN 2.3-2	12 NOV 2015	ENR 1.1-11	16 MAY 2024	ENR 1.14-2	12 JUN 2025
GEN 2.3-3	12 NOV 2015	ENR 1.1-12	16 MAY 2024	ENR-1.14-3 to ENR-1.14-4	15 SEP 2016
GEN 2.4-1	21 MAR 2024	ENR 1.1-13	16 MAY 2024	ENR-1.14-5 to ENR-1.14-6	15 SEP 2016
GEN 2.5-1	21 MAR 2024	ENR 1.2-1	21 MAR 2024	ENR 2	
GEN-2.5-3	20 FEB 2025	ENR 1.3-1	05 SEP 2024	ENR 2.1-1	05 SEP 2024
GEN 2.6-1	12 NOV 2015	ENR 1.4-1	20 FEB 2025	ENR 2.1-2	05 SEP 2024
GEN 2.6-2	12 NOV 2015	ENR 1.4-2	20 FEB 2025	ENR 2.1-3	16 MAY 2024
GEN 2.7-1	20 FEB 2025	ENR 1.5-1	21 MAR 2024	ENR 2.1-4	16 MAY 2024
GEN 3		ENR 1.5-2	05 SEP 2024	ENR 2.1-5	16 MAY 2024
GEN 3.1-1	12 JUN 2025	ENR 1.5-3	05 SEP 2024	ENR-2.1-7	21 MAR 2024
GEN 3.1-2	21 MAR 2024	ENR 1.5-4	16 MAY 2024	ENR-2.1-9	05 SEP 2024
		ENR 1.6-1	25 JAN 2024	ENR-2.1-11A	21 JUL 2016
		ENR 1.6-2	25 JAN 2024	ENR-2.1-11B	08 SEP 2022
		ENR 1.6-3	25 JAN 2024	ENR-2.1-13	21 JUL 2016
				ENR-2.1-14	21 MAR 2024
				ENR 3	

ENR 3.1-1	21 MAR 2024	ENR 4		AD 2.WSSS-22	25 JAN 2024
ENR 3.1-2	21 MAR 2024			AD 2.WSSS-23	20 FEB 2025
ENR 3.1-3	21 MAR 2024	ENR 4.1-1	11 JUL 2024	AD 2.WSSS-24	21 MAR 2024
ENR 3.1-4	21 MAR 2024	ENR 4.3-1	05 SEP 2024	AD 2.WSSS-25	16 MAY 2024
ENR 3.1-5	21 MAR 2024	ENR 4.4-1	12 JUN 2025	AD 2.WSSS-26	21 MAR 2024
ENR 3.1-6	21 MAR 2024	ENR 4.4-2	12 JUN 2025	AD 2.WSSS-27	21 MAR 2024
ENR 3.1-7	21 MAR 2024	ENR 4.4-3	12 JUN 2025	AD 2.WSSS-28	21 MAR 2024
ENR 3.1-8	12 JUN 2025	ENR 4.4-4	12 JUN 2025	AD 2.WSSS-29	21 MAR 2024
ENR 3.1-9	21 MAR 2024	ENR 4.4-5	12 JUN 2025	AD 2.WSSS-30	21 MAR 2024
ENR 3.1-10	21 MAR 2024	ENR 4.4-6	12 JUN 2025	AD 2.WSSS-31	21 MAR 2024
ENR 3.1-11	05 SEP 2024	ENR 4.4-7	12 JUN 2025	AD 2.WSSS-32	21 MAR 2024
ENR 3.1-12	21 MAR 2024	ENR 4.5-1	25 JAN 2024	AD 2.WSSS-33	21 MAR 2024
ENR 3.1-13	21 MAR 2024	ENR 5		AD 2.WSSS-34	21 MAR 2024
ENR 3.1-14	21 MAR 2024			AD 2.WSSS-35	21 MAR 2024
ENR 3.1-15	21 MAR 2024	ENR 5.1-1	30 JAN 2020	AD 2.WSSS-36	12 JUN 2025
ENR 3.1-16	12 JUN 2025	ENR 5.1-2	20 FEB 2025	AD 2.WSSS-37	05 SEP 2024
ENR 3.1-17	12 JUN 2025	ENR 5.1-3	14 JUL 2022	AD 2.WSSS-38	21 MAR 2024
ENR 3.1-18	21 MAR 2024	ENR 5.1-4	14 JUL 2022	AD 2.WSSS-39	21 MAR 2024
ENR 3.1-19	21 MAR 2024	ENR 5.1-5	14 JUL 2022	AD 2.WSSS-40	21 MAR 2024
ENR 3.1-20	21 MAR 2024	ENR-5.1-7	05 SEP 2024	AD 2.WSSS-41	16 MAY 2024
ENR 3.1-21	21 MAR 2024	ENR-5.1-9	20 FEB 2025	AD 2.WSSS-42	16 MAY 2024
ENR 3.2-1	16 MAY 2024	ENR 5.2-1	21 MAR 2024	AD 2.WSSS-43	16 MAY 2024
ENR 3.2-2	16 MAY 2024	ENR 5.2-2	03 JAN 2019	AD 2.WSSS-44	16 MAY 2024
ENR 3.2-3	16 MAY 2024	ENR 5.2-3	03 JAN 2019	AD 2.WSSS-45	16 MAY 2024
ENR 3.2-4	16 MAY 2024	ENR 5.3-1	15 JUN 2023	AD 2.WSSS-46	16 MAY 2024
ENR 3.2-5	05 SEP 2024	ENR 5.4-1	12 NOV 2015	AD 2.WSSS-47	21 MAR 2024
ENR 3.2-6	05 SEP 2024	ENR 5.5-1	05 SEP 2024	AD 2.WSSS-48	21 MAR 2024
ENR 3.2-7	16 MAY 2024	ENR 5.6-1	21 MAY 2020	AD-2-WSSS-ADC-1	31 OCT 2024
ENR 3.2-8	16 MAY 2024	ENR 5.6-2	12 NOV 2015	AD-2-WSSS-ADC-2 to 2.1	12 JUN 2025
ENR 3.2-9	16 MAY 2024	ENR 6		AD-2-WSSS-ADC-3	12 JUN 2025
ENR 3.2-10	16 MAY 2024			AD-2-WSSS-AOC-1	12 JUN 2025
ENR 3.2-11	16 MAY 2024	ENR 6-1	15 SEP 2016	AD-2-WSSS-AOC-2	05 SEP 2024
ENR 3.2-12	16 MAY 2024	ERC-6-1 En-Route Chart	05 SEP 2024	AD-2-WSSS-AOC-3	12 JUN 2025
ENR 3.2-13	05 SEP 2024	WAC-2860-Singapore-Island	21 MAR 2024	AD-2-WSSS-AOC-4	08 SEP 2022
ENR 3.2-14	16 MAY 2024	Part 3 – AERODROMES (AD)		AD-2-WSSS-PATC-1	10 OCT 2019
ENR 3.2-15	16 MAY 2024	AD 0		AD-2-WSSS-PATC-2	11 JUL 2024
ENR 3.2-16	16 MAY 2024			AD-2-WSSS-PATC-3	31 OCT 2024
ENR 3.2-17	16 MAY 2024	AD 0.6-1	25 JAN 2024	AD-2-WSSS-PATC-4	31 OCT 2024
ENR 3.2-18	16 MAY 2024	AD 0.6-2	21 MAR 2024	AD-2-WSSS-PATC-5	11 JUL 2024
ENR 3.2-19	16 MAY 2024	AD 0.6-3	05 SEP 2024	AD-2-WSSS-SID-1 to 1.1	26 DEC 2024
ENR 3.2-20	16 MAY 2024	AD 0.6-4	21 MAR 2024	AD-2-WSSS-SID-2 to 2.1	31 OCT 2024
ENR 3.2-21	05 SEP 2024	AD 0.6-5	21 MAR 2024	AD-2-WSSS-SID-3 to 3.1	31 OCT 2024
ENR 3.2-22	16 MAY 2024	AD 0.6-6	21 MAR 2024	AD-2-WSSS-SID-4 to 4.1	31 OCT 2024
ENR 3.2-23	16 MAY 2024	AD 0.6-7	21 MAR 2024	AD-2-WSSS-SID-5 to 5.1	31 OCT 2024
ENR 3.2-24	05 SEP 2024	AD 0.6-8	21 MAR 2024	AD-2-WSSS-SID-6 to 6.1	31 OCT 2024
ENR 3.2-25	16 MAY 2024	AD 1		AD-2-WSSS-SID-7 to 7.1	31 OCT 2024
ENR 3.2-26	16 MAY 2024			AD-2-WSSS-SID-8 to 8.1	31 OCT 2024
ENR 3.2-27	16 MAY 2024	AD 1.1-1	12 NOV 2015	AD-2-WSSS-SID-9 to 9.1	31 OCT 2024
ENR 3.2-28	05 SEP 2024	AD 1.1-2	12 NOV 2015	AD-2-WSSS-SID-10 to 10.1	31 OCT 2024
ENR 3.2-29	05 SEP 2024	AD 1.1-3	15 AUG 2019	AD-2-WSSS-SID-11 to 11.1	31 OCT 2024
ENR 3.2-30	16 MAY 2024	AD 1.1-4	02 DEC 2021	AD-2-WSSS-SID-12 to 12.1	31 OCT 2024
ENR 3.2-31	05 SEP 2024	AD 1.1-5	02 DEC 2021	AD-2-WSSS-SID-13 to 13.1	31 OCT 2024
ENR 3.2-32	05 SEP 2024	AD 1.2-1	12 NOV 2015	AD-2-WSSS-SID-14 to 14.1	31 OCT 2024
ENR 3.2-33	05 SEP 2024	AD 1.3-1	12 NOV 2015	AD-2-WSSS-SID-15 to 15.1	31 OCT 2024
ENR 3.2-34	16 MAY 2024	AD-1.3-3	21 MAR 2024	AD-2-WSSS-SID-16 to 16.1	31 OCT 2024
ENR 3.2-35	16 MAY 2024	AD 1.4-1	12 NOV 2015	AD-2-WSSS-SID-17 to 17.1	31 OCT 2024
ENR 3.2-36	16 MAY 2024	AD 1.5-1	11 JUL 2024	AD-2-WSSS-SID-18 to 18.1	31 OCT 2024
ENR 3.2-37	16 MAY 2024	AD 2		AD-2-WSSS-SID-19 to 19.1	31 OCT 2024
ENR 3.2-38	12 JUN 2025			AD-2-WSSS-SID-20 to 20.1	31 OCT 2024
ENR 3.2-39	16 MAY 2024	AD 2.WSSS-1	31 DEC 2020	AD-2-WSSS-SID-21 to 21.1	31 OCT 2024
ENR 3.2-40	16 MAY 2024	AD 2.WSSS-2	31 DEC 2020	AD-2-WSSS-SID-22 to 22.1	31 OCT 2024
ENR 3.2-41	16 MAY 2024	AD 2.WSSS-3	31 DEC 2020	AD-2-WSSS-SID-23 to 23.1	31 OCT 2024
ENR 3.2-42	16 MAY 2024	AD 2.WSSS-4	26 DEC 2024	AD-2-WSSS-SID-24 to 24.1	31 OCT 2024
ENR 3.2-43	16 MAY 2024	AD 2.WSSS-5	11 JUL 2024	AD-2-WSSS-SID-25 to 25.1	31 OCT 2024
ENR 3.2-44	16 MAY 2024	AD 2.WSSS-6	25 JAN 2024	AD-2-WSSS-SID-26 to 26.1	31 OCT 2024
ENR 3.2-45	16 MAY 2024	AD 2.WSSS-7	20 FEB 2025	AD-2-WSSS-SID-27 to 27.1	31 OCT 2024
ENR 3.2-46	16 MAY 2024	AD 2.WSSS-8	20 FEB 2025	AD-2-WSSS-SID-28 to 28.1	31 OCT 2024
ENR 3.2-47	16 MAY 2024	AD 2.WSSS-9	20 FEB 2025	AD-2-WSSS-SID-29 to 29.1	31 OCT 2024
ENR 3.4-1	21 MAR 2024	AD 2.WSSS-10	20 FEB 2025	AD-2-WSSS-SID-30 to 30.1	31 OCT 2024
ENR 3.4-2	21 MAR 2024	AD 2.WSSS-11	20 FEB 2025	AD-2-WSSS-SID-31 to 31.1	31 OCT 2024
ENR 3.4-3	16 MAY 2024	AD 2.WSSS-12	25 JAN 2024	AD-2-WSSS-SID-32 to 32.1	31 OCT 2024
ENR 3.4-5	21 MAR 2024	AD 2.WSSS-13	25 JAN 2024	AD-2-WSSS-SID-33 to 33.1	31 OCT 2024
ENR-3.4-7	21 JUL 2016	AD 2.WSSS-14	25 JAN 2024	AD-2-WSSS-SID-34 to 34.1	31 OCT 2024
ENR 3.5-1	02 MAR 2017	AD 2.WSSS-15	25 JAN 2024	AD-2-WSSS-SID-35 to 35.1	26 DEC 2024
ENR 3.5-2	02 MAR 2017	AD 2.WSSS-16	25 JAN 2024	AD-2-WSSS-SID-36 to 36.1	31 OCT 2024
ENR-3.5-3	20 FEB 2025	AD 2.WSSS-17	26 DEC 2024	AD-2-WSSS-SID-37 to 37.1	31 OCT 2024
ENR 3.6-1	12 JUN 2025	AD 2.WSSS-18	25 JAN 2024	AD-2-WSSS-SID-38 to 38.1	31 OCT 2024
ENR 3.6-2	12 JUN 2025	AD 2.WSSS-19	25 JAN 2024	AD-2-WSSS-SID-39 to 39.1	31 OCT 2024
ENR-3.6-3 to 3.1	20 FEB 2025	AD 2.WSSS-20	20 FEB 2025	AD-2-WSSS-SID-40 to 40.1	31 OCT 2024
ENR-3.6-5 to 5.1	20 FEB 2025	AD 2.WSSS-21	17 APR 2025	AD-2-WSSS-SID-41 to 41.1	31 OCT 2024

AD-2-WSSS-SID-42 to 42.1	31 OCT 2024	AD 2.WSSL-16	05 SEP 2024
AD-2-WSSS-SID-43 to 43.1	31 OCT 2024	AD 2.WSSL-17	05 SEP 2024
AD-2-WSSS-SID-44 to 44.1	31 OCT 2024	AD 2.WSSL-18	05 SEP 2024
AD-2-WSSS-SID-45 to 45.1	31 OCT 2024	AD 2.WSSL-19	05 SEP 2024
AD-2-WSSS-SID-46 to 46.1	31 OCT 2024	AD 2.WSSL-20	21 MAR 2024
AD-2-WSSS-SID-47 to 47.1	31 OCT 2024	AD-2-WSSL-ADC-1 to 1.1	26 DEC 2024
AD-2-WSSS-SID-48 to 48.1	31 OCT 2024	AD-2-WSSL-ADC-2	26 DEC 2024
AD-2-WSSS-SID-49 to 49.1	31 OCT 2024	AD-2-WSSL-ADC-3	26 DEC 2024
AD-2-WSSS-SID-50 to 50.1	31 OCT 2024	AD-2-WSSL-AOC-1	16 JUL 2020
AD-2-WSSS-SID-51 to 51.1	31 OCT 2024	AD-2-WSSL-AOC-2	16 JUL 2020
AD-2-WSSS-SID-52 to 52.1	31 OCT 2024	AD-2-WSSL-VAC-1	05 SEP 2024
AD-2-WSSS-SID-53 to 53.1	31 OCT 2024	AD-2-WSSL-VAC-2	05 SEP 2024
AD-2-WSSS-SID-54 to 54.1	31 OCT 2024	AD-2-WSSL-VAC-3	05 SEP 2024
AD-2-WSSS-SID-55 to 55.1	31 OCT 2024	AD-2-WSSL-VAC-4	05 SEP 2024
AD-2-WSSS-SID-56 to 56.1	31 OCT 2024	AD-2-WSSL-VDC-1 to 1.1	20 FEB 2025
AD-2-WSSS-SID-57 to 57.1	31 OCT 2024	AD-2-WSSL-VDC-2 to 2.1	20 FEB 2025
AD-2-WSSS-SID-58 to 58.1	31 OCT 2024	AD-2-WSSL-VFR-1	31 OCT 2024
AD-2-WSSS-SID-59 to 59.1	31 OCT 2024	AD-2-WSSL-IFR-1	31 OCT 2024
AD-2-WSSS-SID-60 to 60.1	31 OCT 2024	AD-2-WSSL-IFR-2	31 OCT 2024
AD-2-WSSS-SID-61 to 61.1	31 OCT 2024	AD 2.WSAP-1	16 JUL 2020
AD-2-WSSS-SID-62 to 62.1	31 OCT 2024	AD 2.WSAP-2	20 FEB 2025
AD-2-WSSS-SID-63 to 63.1	31 OCT 2024	AD 2.WSAP-3	10 OCT 2019
AD-2-WSSS-SID-64 to 64.1	31 OCT 2024	AD 2.WSAP-4	19 JUL 2018
AD-2-WSSS-STAR-1 to 1.1	31 OCT 2024	AD 2.WSAP-5	20 FEB 2025
AD-2-WSSS-STAR-2 to 2.1	31 OCT 2024	AD 2.WSAP-6	20 FEB 2025
AD-2-WSSS-STAR-3 to 3.1	31 OCT 2024	AD 2.WSAP-7	19 JUL 2018
AD-2-WSSS-STAR-4 to 4.1	31 OCT 2024	AD 2.WSAP-8	16 MAY 2024
AD-2-WSSS-STAR-5 to 5.1	31 OCT 2024	AD 2.WSAP-9	21 MAR 2024
AD-2-WSSS-STAR-6 to 6.1	31 OCT 2024	AD 2.WSAP-10	21 MAR 2024
AD-2-WSSS-STAR-7 to 7.1	31 OCT 2024	AD 2.WSAP-11	21 MAR 2024
AD-2-WSSS-STAR-8 to 8.1	31 OCT 2024	AD-2-WSAP-ADC-1	16 JUL 2020
AD-2-WSSS-STAR-9 to 9.1	31 OCT 2024	AD-2-WSAP-ADC-2	16 JUL 2020
AD-2-WSSS-STAR-10 to 10.1	31 OCT 2024	AD-2-WSAP-AOC-1	24 MAR 2022
AD-2-WSSS-STAR-11 to 11.1	31 OCT 2024	AD-2-WSAP-IAC-1	20 FEB 2025
AD-2-WSSS-STAR-12 to 12.1	31 OCT 2024	AD-2-WSAP-IAC-2	20 FEB 2025
AD-2-WSSS-STAR-13 to 13.1	31 OCT 2024	AD-2-WSAP-IAC-3	20 FEB 2025
AD-2-WSSS-STAR-14 to 14.1	31 OCT 2024	AD-2-WSAP-IAC-4	20 FEB 2025
AD-2-WSSS-STAR-15 to 15.1	31 OCT 2024	AD-2-WSAP-IAC-5	20 FEB 2025
AD-2-WSSS-STAR-16 to 16.1	31 OCT 2024	AD-2-WSAP-IAC-6	20 FEB 2025
AD-2-WSSS-STAR-17 to 17.1	31 OCT 2024	AD 2.WSAT-1	16 JUL 2020
AD-2-WSSS-STAR-18 to 18.1	31 OCT 2024	AD 2.WSAT-2	26 MAR 2020
AD-2-WSSS-STAR-19 to 19.1	31 OCT 2024	AD 2.WSAT-3	25 FEB 2021
AD-2-WSSS-IAC-1	20 FEB 2025	AD 2.WSAT-4	25 FEB 2021
AD-2-WSSS-IAC-2	20 FEB 2025	AD 2.WSAT-5	16 MAY 2024
AD-2-WSSS-IAC-3	20 FEB 2025	AD 2.WSAT-6	21 MAR 2024
AD-2-WSSS-IAC-5	20 FEB 2025	AD 2.WSAT-7	21 MAR 2024
AD-2-WSSS-IAC-6	20 FEB 2025	AD-2-WSAT-ADC-1	17 JUN 2021
AD-2-WSSS-IAC-7	20 FEB 2025	AD 2.WSAG-1	25 JAN 2024
AD-2-WSSS-IAC-9 to 9.1	20 FEB 2025	AD 2.WSAG-2	25 JAN 2024
AD-2-WSSS-IAC-10 to 10.1	20 FEB 2025	AD 2.WSAG-3	21 MAR 2024
AD-2-WSSS-IAC-11 to 11.1	20 FEB 2025	AD 2.WMKJ-1	12 NOV 2015
AD-2-WSSS-IAC-12 to 12.1	20 FEB 2025	AD 2.WIDD-1	20 FEB 2025
AD-2-WSSS-IAC-13 to 13.1	20 FEB 2025	AD 2.WIDN-1	21 MAR 2024
AD-2-WSSS-IAC-14 to 14.1	31 OCT 2024	AD 2.WIDN-2	21 MAR 2024
AD-2-WSSS-IAC-15 to 15.1	20 FEB 2025	AD 2.WIDT-1	21 MAR 2024
AD 2.WSSL-1	10 SEP 2020		
AD 2.WSSL-2	30 NOV 2023		
AD 2.WSSL-3	26 DEC 2024		
AD 2.WSSL-4	05 DEC 2019		
AD 2.WSSL-5	30 NOV 2023		
AD 2.WSSL-6	25 JAN 2024		
AD 2.WSSL-7	17 APR 2025		
AD 2.WSSL-8	26 DEC 2024		
AD 2.WSSL-9	25 JAN 2024		
AD 2.WSSL-10	05 SEP 2024		
AD 2.WSSL-11	21 MAR 2024		
AD 2.WSSL-12	21 MAR 2024		
AD 2.WSSL-13	21 MAR 2024		
AD 2.WSSL-14	05 SEP 2024		
AD 2.WSSL-15	21 MAR 2024		

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GEN 1 NATIONAL REGULATIONS AND REQUIREMENTS

GEN 1.1 DESIGNATED AUTHORITIES

The authority responsible for civil aviation in Singapore is the Civil Aviation Authority of Singapore under the Ministry of Transport. The addresses of the designated authorities concerned with facilitation of international air navigation are as follows:

1 CIVIL AVIATION

←

Post:

CIVIL AVIATION AUTHORITY OF SINGAPORE
60 Airport Boulevard, #04-01, Changi Airport Terminal 2
SINGAPORE 819643

Tel: (65) 65421122

Fax: (65) 65421231

AFS: WSSSYAYX

URL: www.caas.gov.sg

2 METEOROLOGY

←

Post:

DIRECTOR-GENERAL METEOROLOGICAL SERVICE SINGAPORE
60 Airport Boulevard, Changi Airport Terminal 2, #04-502-503
SINGAPORE 819643

Tel: (65) 65457190

Fax: (65) 65457192

AFS: WSSSYMYX

URL: www.weather.gov.sg

3 CUSTOMS

Post:

SINGAPORE CUSTOMS
55 Newton Road #07-01, Revenue House
SINGAPORE 307987

Tel: (65) 63552000

URL: www.customs.gov.sg

4 IMMIGRATION

Post:

IMMIGRATION & CHECKPOINTS AUTHORITY
10 Kallang Road, #08-00 ICA Building
SINGAPORE 208718

Tel: (65) 63916100

URL: www.ica.gov.sg

5 HEALTH

←

Post:

COMMUNICABLE DISEASES AGENCY
Acting Director Contact & Environmental Diseases, Border & Travel Health (CEBT)
238A Thomson Road, Novena Square Tower A
#23-01 to 05
SINGAPORE 307684

URL: www.cda.gov.sg

←

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Post:

MINISTRY OF HEALTH
Director Disease Response and Training Division (DTD)
1 Pasir Panjang Road, Labrador Tower
Level 21, #21-01
SINGAPORE 118479

Tel: (65) 63259220

URL: www.moh.gov.sg

6 ENROUTE AND AERODROME CHARGES

←

Post:
CIVIL AVIATION AUTHORITY OF SINGAPORE
60 Airport Boulevard, #04-01, Changi Airport Terminal 2
SINGAPORE 819643
Tel: (65) 65421122
Fax: (65) 65421231
AFS: WSSSYAYX

Post:
CHANGI AIRPORT GROUP (S) PTE LTD
SELETAR AIRPORT
21 Seletar Aerospace Road 1 #02-01
SINGAPORE 797405
Tel: (65)64815077 Airside Operations
Fax: (65)64831754

7 AGRICULTURE QUARANTINE

Post:
Head Office: ANIMAL & VETERINARY SERVICE
Singapore Botanic Gardens, 1 Cluny Road
SINGAPORE 259569

Email: animals_feedback@nparks.gov.sg

URL: www.nparks.gov.sg/avs

Post:
CHANGI ANIMAL AND PLANT QUARANTINE STATION
113A Airport Cargo Road, Changi Airfreight Centre
SINGAPORE 819985
Tel: (65) 65457523

8 TRANSPORT SAFETY INVESTIGATION BUREAU

Post:
Director (TSIB)
MINISTRY OF TRANSPORT
c/o Changi Airport Post Office P.O. Box 1005
SINGAPORE 918155

Tel: (65) 65412797
Fax: (65) 65422394
URL: www.mot.gov.sg

GEN 1.2 ENTRY, TRANSIT AND DEPARTURE OF AIRCRAFT

1 INTRODUCTION

- 1.1 International flights into, from or over Singapore territory shall be subject to the current Singapore regulations relating to civil aviation. These regulations correspond in all essentials to the Standards and Recommended Practices contained in Annex 9 to the Convention on International Civil Aviation.
- 1.2 Aircraft flying into or departing from Singapore territory shall make their first landing at, or final departure from an international aerodrome (see AIP Singapore page AD 1.3-1 and section AD 2).
- 1.3 Notwithstanding the regulations relating to civil aviation over Singapore territory, aircraft operators should consult the respective AIPs for other documentary and / or permit requirements for flights intending to enter, depart, and / or overfly the sovereign airspaces of States along the planned flight routes.
- 1.4 In particular, for Indonesian sovereign airspace within portions of airspace in which Singapore provides Air Traffic Services (ATS) (see ENR 2.1), aircraft operators should also consult AIP Indonesia GEN 1.2 Entry, Transit and Departure of Aircraft at <https://aimindonesia.dephub.go.id> for Indonesia's requirements for flights intending to enter, depart, and/or overfly its sovereign airspace. Please note that this AIP's reference to these requirements is without prejudice to Singapore's legal position on such requirements.

2 APPLICATION FOR SLOTS AT SINGAPORE CHANGI AIRPORT

- 2.1 Singapore Changi Airport is a slot coordinated airport, with Changi Airport Group (CAG) as the Slot Coordinator. To ensure efficiency of aircraft operations and optimisation of airport resources, all operators of scheduled and non-scheduled (commercial and non-commercial) flights must obtain slots from the Changi Slot Coordinator prior to the operation of such flights.
- ← 2.2 To apply for slots for access to Singapore Changi Airport, all operators or agents of non-scheduled, commercial and non-commercial flights shall submit applications for slots via either a Slot Clearance Request (SCR), or for operators without a 2-letter IATA airline code, a General (Aviation) Clearance Request (GCR) to the Changi Slot Coordinator at csc@changiairport.com.
Changi Slot Coordinator
c/o Changi Airport Group (Singapore) Pte Ltd
Singapore Changi Airport
P.O. Box 168
Singapore 918146
Tel: +65 6541 3064
- 2.3 Operators or agents of non-scheduled, commercial and non-commercial flights shall submit their slot requests to the Changi Slot Coordinator no later than 72 hours prior to the operation of the flight, for which the slot will be utilised.
- 2.4 To facilitate the optimisation of aircraft parking resources at Singapore Changi Airport, operators or agents of non-scheduled, commercial and non-commercial flights are strongly advised to limit their ground time to no more than 24 hours from the arrival slot timing.
- 2.5 For urgent non-scheduled, commercial (including ad hoc changes to scheduled flights) and non-commercial flight operations that are less than 24 hours from the proposed date of operation, in addition to submitting the SCR/GCR, operators/agents must also inform the Airside Operations Section of CAG (Airside Control Centre) at changiairside@changiairport.com or +65 8533 4558 / +65 6541 2151.

2.6 EXEMPT FLIGHTS

- 2.6.1 Notwithstanding paragraph 2.1, the following types of flights may operate to / from Singapore Changi Airport without obtaining slots from the Changi Slot Coordinator:
- Emergency landings. e.g. diversions or quick returns after takeoff, oil spill response operations
 - Flights operating under diplomatic cover
 - Flights operated by the military, including those carrying supplies but excluding those chartered on a commercial basis by the military
 - Humanitarian flights including those responding to medical emergencies where the safety of human life is concerned or involved in search and rescue operations
 - Technical flights including radar and NAVAID calibration / check flights

2.7 RESTRICTIONS ON OPERATIONS AT SINGAPORE CHANGI AIRPORT

2.7.1 All scheduled operations using passenger aircraft with a capacity of less than 150 seats are not permitted at Singapore Changi Airport during the following peak hours. Exceptions may be granted for scheduled operations going to/coming from airports with restrictions on larger aircraft types.

Arrival Peak Hours		Departure Peak Hours	
In UTC	In Local Time	In UTC	In Local Time
0900 to 1059	1700 to 1859	1600 to 1759	0000 to 0159
1600 to 1759	0000 to 0159	2300 to 0159	0700 to 0959

2.7.2 All scheduled and non-scheduled (commercial and non-commercial) propeller aircraft operations are not permitted at Singapore Changi Airport.

3 SUBMISSION OF FLIGHT DETAILS AND APPLICATION FOR SLOTS AT SELETAR AIRPORT

3.1 Seletar Airport is a schedules facilitated airport, with Changi Airport Group (CAG) as the Seletar Schedules Facilitator. To ensure efficiency of aircraft operations and optimisation of airport resources, all operators of non-scheduled (commercial and non-commercial) flights must submit details of their planned operations to the Seletar Schedules Facilitator prior to these operations. Operators shall also be prepared to make adjustments to their schedules when necessary as advised by the Seletar Schedules Facilitator to ensure that airport capacity parameters are not exceeded. In addition, all operators of scheduled flights must obtain slots from the Seletar Schedules Facilitator prior to the operation of such flights. No operation will be permitted without the approval of the Seletar Schedules Facilitator.

3.2 For non-scheduled (commercial and non-commercial) flight operations, operators or agents shall submit details of their planned operations to seletar.airside@changiairport.com during the flights submission window, defined as no earlier than 7 calendar days but no later than 1400 UTC / 2200 LT on the day prior to the planned operations.

3.3 For urgent non-scheduled (commercial and non-commercial) flight operations of which details were not submitted during the flights submission window, operators or agents must submit the details to seletar.airside@changiairport.com and call to inform the Airside Operations Section of Seletar Airport at +65 6481 5077.

3.4 Operators or agents shall include the following details of the flight operations in their submission:

- Name of operator and appointed ground handling agent;
- Date and time of arrival and departure (in local time);
- Aircraft type and seat capacity;
- Origin and destination;
- Aircraft registration number; and
- Purpose of flight (e.g. business aviation; general aviation; cargo; maintenance, repair and operations (MRO); etc.).

3.5 For scheduled flight operations, operators shall submit applications for slots via a Slot Clearance Request (SCR) to csc@changiairport.com.

← 3.6 All operators shall adhere to the Worldwide Airport Slot Guidelines (WASG). A copy of this document can be obtained from <https://www.iata.org/en/programs/ops-infra/slots/slot-guidelines/>

← **3.7 EXEMPT FLIGHTS**

3.7.1 Notwithstanding paragraph 3.1, the following types of flights may operate to / from Seletar Airport without submitting details of their flight operations to the Seletar Schedules Facilitator during the flights submission window as stipulated in paragraph 3.2:

- Emergency landings, e.g. diversions or quick returns after takeoff, oil spill response operations;
- Flights operating under diplomatic cover;
- Flights operated by the military, including those carrying supplies but excluding those chartered on a commercial basis by the military;
- Humanitarian flights including those responding to medical emergencies where the safety of human life is concerned or involved in search & rescue operations; and
- Technical flights including radar and NAVAID calibration /check flights.

3.7.2 However, operators or agents of exempt flights shall call to inform the Airside Operations Section of Seletar Airport at +65 6481 5077 of their flight operations in advance.

2.4 Visitors must satisfy the following basic entry requirements before they are allowed to enter Singapore:

- a. They are in possession of passports with at least 6 months' validity with assurance of their re-entry into their countries of residence or origin;
- b. They have sufficient funds to last for the intended period of stay in Singapore;
- c. They hold confirmed onward/return tickets and entry facilities (including visas) to their onward destinations;
- d. Short-term travellers holding a passport of travel document from a visa-required country/ region must apply for a Visa; and
- e. They must fulfil all prevailing public health requirements.

The granting of social visit passes to all visitors is determined by the Immigration & Checkpoints Authority (ICA) officers at the point of entry.

3 PUBLIC HEALTH REQUIREMENTS

3.1 Strict compliance with the provisions of the International Health Regulations, 2005, of the World Health Organisation, and Singapore's Infectious Diseases Act is required.

3.2 The pilot-in-command of an aircraft landing at Airports in Singapore shall furnish the Airport Health Officer with one copy of the General Declaration form (see ICAO Annex 9 Appendix 1) and one copy of the Passenger Manifest (see ICAO Annex 9 Appendix 2) signed by the pilot-in-command.

3.3 Vaccination Certificate Requirements for entry into Singapore are as follows:

← A valid International Certificate of Vaccination for yellow fever is required from all travellers, including Singapore Residents, with travel history to countries with risk of yellow fever transmission (regardless of area, city or region) in the six days prior to arrival in Singapore. The certificate is valid for life, beginning from 10 days after the date of vaccination (this applies to existing and new certificates). Travellers without a valid International Certificate of Vaccination for yellow fever (e.g. unvaccinated individuals, including those who are ineligible to receive the vaccination, and travellers whose certificate has yet to become valid), are liable to be quarantined under the Infectious Diseases Act. For more details on public health requirements related to yellow fever, please refer to Singapore's Communicable Diseases Agency website (<https://www.cda.gov.sg/public/diseases/yellow-fever>) and Immigration & Checkpoints Authority website (<https://www.ica.gov.sg/enter-transit-depart/entering-singapore/yellow-fever-vaccination-certificate>).

3.4 For more details on public health requirements, please refer to <https://www.caas.gov.sg/legislation-regulations/covid-19-publications/>.

4 FLYING LICENCES AND RATINGS

4.1 VISITING PILOTS - HOLDERS OF NON-SINGAPORE PILOT LICENCES

4.1.1 When a holder of a non-Singapore pilot's licence wishes to fly on a Singapore registered aircraft in a private capacity in Singapore, he will be required to apply for a Certificate of Validation for his foreign licence. The Certificate of Validation, if approved, will be issued for this purpose only and for a limited period. The applicant would also be required to fulfil certain conditions. Pilots who wish to apply for a Certificate of Validation should contact the Personnel Licensing Section of the Civil Aviation Authority of Singapore (see address in paragraph 4.2.2 below)

4.2 CONVERSION OF FOREIGN LICENCE TO SINGAPORE LICENCE

4.2.1 Pilots holding valid licences, including an instrument rating and/or flying instructor's rating issued by ICAO Contracting States, may be considered for the conversion of their licences under the following conditions:

- a. The pilot must demonstrate formal prospective employment by a Singapore air operator, approved training organisation or flying club to operate on Singapore registered aircraft.
(This requirement will not be applicable for the conversion of a foreign licence to a Singapore PPL.)
- b. The pilot's foreign licence and its associated ratings must be valid from the time of application to the time of issue of a Singapore licence and its associated ratings.
- c. The pilot must fulfil all conversion terms as specified by CAAS within a period of 6 months preceding the issue of a Singapore licence and its associated ratings.

4.2.2 Further details on the conversion of a foreign licence can be obtained from:

Safety Policy and Planning Division
Personnel Licensing Section
Civil Aviation Authority of Singapore
Singapore Changi Airport Terminal 2
South Finger Pier Level 3
Unit No. 038-039
Singapore 819643

TEL: (65) 65412482

FAX: (65) 65434941

4.3 *PILOTS WHO HAVE ATTAINED THE AGE OF 65*

4.3.1 Any pilot who has attained his 65th birthday shall not be permitted to act as pilot-in-command or co-pilot of an aircraft engaged in scheduled or non-scheduled international commercial air transport operations within Singapore airspace.

GEN 1.6 SUMMARY OF NATIONAL REGULATIONS AND INTERNATIONAL AGREEMENTS/CONVENTIONS

1 LIST OF CIVIL AVIATION LEGISLATION, AIR NAVIGATION REGULATIONS AND ORDERS

The following is a list of legislation (Acts and subsidiary legislation) affecting aviation and air navigation in the Republic of Singapore together with the International Agreements/Conventions ratified or acceded to by the Republic of Singapore. It is essential that anyone engaged in air operations be acquainted with the relevant legal documents.

Copies of the legislation may be obtained as follows:

Electronic versions of the legislation may be freely accessed at

<https://sso.agc.gov.sg>

<https://www.caas.gov.sg/legislation-regulations/legislation>

Electronic versions of all Singapore legislation may be accessed via subscription to Lawnet at

<https://www.lawnet.sg>

Print copies of all the legislation may be purchased (by post) from:

Post:

Toppan Next Pte. Ltd.,
No. 1 Kim Seng Promenade, #18-01,
Great World City, East Lobby
Singapore 237994.

Tel: (65) 68269600

Fax: (65) 68203341

URL: www.toppannext.com

1.1 CIVIL AVIATION LEGISLATION

No	Legislation	Citation
<u>Civil Aviation Authority of Singapore Act & related legislation</u>		
1	Civil Aviation Authority of Singapore Act 2009	
2	Civil Aviation Authority of Singapore (Airport Development Levy) Order 2018	S 437/2018
3	Civil Aviation Authority of Singapore (Aviation Levy) Order 2018	S 522/2018
4	Civil Aviation Authority of Singapore (Changi Airport) By-laws 2009	S 313/2009
5	Civil Aviation Authority of Singapore (Changi Airport) Notification 2009	S 293/2009
6	Civil Aviation Authority of Singapore (Composition of Offences) Regulations 2009	S 315/2009
7	Civil Aviation Authority of Singapore (Seletar Airport) By-laws 2009	S 314/2009
8	Civil Aviation Authority of Singapore (Seletar Airport) Notification 2009	S 294/2009
<u>Air Navigation Act & related legislation</u>		
9	Air Navigation Act 1966	
10	Air Navigation Order	O 2
11	Air Navigation (101 - Unmanned Aircraft Operations) Regulations 2019	S 833/2019
12	Air Navigation (119 - Air Operator Certification) Regulations 2018	S 443/2018
13	Air Navigation (121 - Commercial Air Transport by Large Aeroplanes) Regulations 2018	S 444/2018
14	Air Navigation (125 - Complex General Aviation) Regulations 2018	S 501/2018
15	Air Navigation (135 - Commercial Air Transport by Helicopters and Small Aeroplanes) Regulations 2018	S 445/2018
16	Air Navigation (137 - Aerial Work) Regulations 2018	S 502/2018
17	Air Navigation (139 - Aerodromes) Regulations 2023	S 10/2023
18	Air Navigation (91 - General Operating Rules) Regulations 2018	S 441/2018
19	Air Navigation (92 - Carriage of Dangerous Goods) Regulations 2022	S 998/2022
20	Air Navigation (98 - Special Operations) Regulations 2018	S 442/2018

No	Legislation	Citation
21	Air Navigation (99 - Breath Testing for Alcohol) Regulations 2019	S 177/2019
22	Air Navigation (Aviation Security) Order	O 5
23	Air Navigation (Carbon Emissions and Reporting) Regulations 2022	S 997/2022
24	Air Navigation (Composition of Offences) Rules 2017	S 667/2017
25	Air Navigation (Licensing of Air Services) Regulations	RG 2
26	Air Navigation (Paya Lebar and Tengah Aerodrome Fees) Order	O 1
27	Air Navigation (Prohibited Flights) Order	O 6
28	Air Navigation (Protected Areas – Army Division Facilities) Order 2024	S 341/2024
29	Air Navigation (Protected Areas – Army Headquarters and Formation Facilities) Order 2024	S 340/2024
30	Air Navigation (Protected Areas – Catchment and Waterways Facilities) Order 2024	S 124/2024
31	Air Navigation (Protected Areas – Military Offshore Facilities) Order 2024	S 344/2024
32	Air Navigation (Protected Areas – Military Training-1 Facilities) Order 2024	S 345/2024
33	Air Navigation (Protected Areas – Military Training-2 Facilities) Order 2024	S 346/2024
34	Air Navigation (Protected Areas – Military Training-3 Facilities) Order 2024	S 347/2024
35	Air Navigation (Protected Areas – Non-Military Places) Order 2024	S 126/2024
36	Air Navigation (Protected Areas – Public Hospitals) Order 2024	S 122/2024
37	Air Navigation (Telecommunication Facilities) Order 2024	S 123/2024
38	Air Navigation (Protected Areas – Republic of Singapore Air Force Facilities) Order 2024	S 342/2024
39	Air Navigation (Protected Areas – Republic of Singapore Navy Facilities) Order 2024	S 343/2024
40	Air Navigation (Protected Areas – Water Supply and Water Reclamation Plants) Order 2024	S 125/2024
41	Air Navigation (Protected Areas) Order 2015	S 350/2015
42	Air Navigation (Regulated Air Cargo Agents and Known Consignors) Regulations 2017	S 166/2017
43	Air Navigation (Voluntary Reporting) Rules 2020	S 592/2020
44	Air Navigation (Wreck and Salvage of Aircraft) Regulations	RG 1
45	Designation of Authorised Persons	N 2
46	Use of Seletar Aerodrome	N 1
<u>Other Acts & related legislation</u>		
47	Carriage by Air Act 1988	
48	Carriage by Air (Parties to Conventions) Order	O 1
49	Carriage by Air (Singapore Currency Equivalents) Order	O 2
50	Carriage by Air (Montreal Convention, 1999) Act 2007	
51	Carriage by Air (Montreal Convention, 1999) (Exclusion from Convention) Order	O 1
52	Tokyo Convention Act 1971	
53	Tokyo Convention (Convention Countries) Notification	N 1
54	Tokyo Convention (Protocol Countries) Notification 2019	S 893/2019
55	Hijacking of Aircraft and Protection of Aircraft and International Airports Act 1978	
56	Infrastructure Protection Act 2017	
57	Infrastructure Protection (Protected Areas) Order 2020	S 291/2020
58	Infrastructure Protection (Protected Areas) Order 2025	S 27/2025
59	Infrastructure Protection (Protected Places) (No. 10) Order 2020	S 293/2020
60	Infrastructure Protection (Protected Places) (No. 9) Order 2021	S 519/2021
61	Infrastructure Protection (Protected Places) (No. 20) Order 2024	S 790/2024
62	Infrastructure Protection (Protected Places) (No. 2) Order 2025	S 28/2025
63	International Interests in Aircraft Equipment Act 2009	
64	Immigration Act 1959	

No	Legislation	Citation
65	Immigration (Authorised Places of Entry and Departure, and Rates) Notification 2012	S 627/2012
66	Immigration Regulations	RG 1
67	Arms and Explosives Act 1913	
68	Arms and Explosives (Aircraft Exemption) Rules	R 3
69	Arms and Explosives (Explosives) Rules	R 2
70	Arms and Explosives (Movement Control) Rules	R 4
71	International Organisations (Immunities and Privileges) Act 1948	
72	International Organisations (Immunities and Privileges) (International Civil Aviation Organisation) Order	O 4
73	Transport Safety Investigations Act 2018	
74	Transport Safety Investigations (Aviation Occurrences) Regulations 2023	S 870/2023
75	Transport Safety Investigations (Responsible Persons – Exemption) Order 2023	S 874/2023

1.2 OTHER RELEVANT LEGISLATION

No	Legislation	Citation
1	Infectious Diseases Act 1976	
2	Infectious Diseases (Certificates of Vaccination or Other Prophylaxis) Regulations 2008	S 611/2008
3	Infectious Diseases (Quarantine) Regulations	RG 1
4	Arms and Explosives (Arms) Rules	R 1
5	Inspector of Explosives	N 1
6	Arms Offences Act 1973	

1.3 INTERNATIONAL CONVENTIONS AND PROTOCOLS

No	Legislation
1	Convention on International Civil Aviation, done at Chicago on 7 December 1944
2	Protocol Relating to an Amendment to the Convention on International Civil Aviation [Article 83 bis], signed at Montreal on 6 October 1980
3	International Air Services Transit Agreement, signed at Chicago on 7 December 1944
4	Convention on Offences and Certain Other Acts Committed on Board Aircraft, signed at Tokyo on 14 September 1963
5	Protocol to Amend the Convention on Offences and Certain Other Acts Committed on Board Aircraft, done at Montreal on 4 April 2014
6	Convention for the Suppression of Unlawful Seizure of Aircraft, signed at The Hague on 16 December 1970
7	Convention for the Suppression of Unlawful Acts against the Safety of Civil Aviation, signed at Montreal on 23 September 1971
8	Protocol for the Suppression of Unlawful Acts of Violence at Airports Serving International Civil Aviation, Supplementary to the Convention for the Suppression of Unlawful Acts against the Safety of Civil Aviation, done at Montreal on 23 September 1971, signed at Montreal on 24 February 1988
9	Convention on the Marking of Plastic Explosives for the Purpose of Detection, signed at Montreal on 1 March 1991
10	Convention for the Unification of Certain Rules Relating to International Carriage by Air, signed at Warsaw on 12 October 1929
11	Protocol to Amend the Convention for the Unification of Certain Rules Relating to International Carriage by Air signed at Warsaw on 12 October 1929, done at The Hague on 28 September 1955
12	Montreal Protocol No. 4 to Amend the Convention for the Unification of Certain Rules Relating to International Carriage by Air, signed at Warsaw on 12 October 1929, signed at Montreal on 25 September 1975
13	Convention for the Unification of Certain Rules for International Carriage by Air, signed at Montreal on 28 May 1999
14	Convention on International interests in Mobile Equipment, signed at Cape Town on 16 November 2001
15	Protocol to the Convention on International Interests in Mobile Equipment on Matters Specific to Aircraft Equipment, signed at Cape Town on 16 November 2001
16	Protocol for the Amendment Agreement on the Joint Financing of Certain Air Navigation Services in Iceland (1956) as amended in 1982 and 2008

No	Legislation
17	Protocol for the Amendment Agreement on the Joint Financing of Certain Air Navigation Services in Greenland (1956) as amended in 1982 and 2008
18	The International COSPAS-SARSAT Programme Agreement, done at Paris on 1 July 1988
19	Protocol Supplementary to the Convention for the Suppression of Unlawful Seizure of Aircraft, done at Beijing on 10 September 2010
20	Convention on the Suppression of Unlawful Acts Relating to International Civil Aviation, done at Beijing on 10 September 2010

2 TAXATION IN THE FIELD OF INTERNATIONAL AIR TRANSPORT

2.1 *Petroleum exemptions and income tax*

- a. Petroleum for aircraft is granted Goods and Services Tax (GST) relief under item 11 of the Schedule to the GST (Imports Relief) Order (O 3).
- b. The matter of income tax on air transport is contained within Section 12(2) and 12(2A) of the Income Tax Act 1947.

(2) Where a non-resident person carries on:

- i. the business of shipowner or charterer, or
- ii. the business of air transport,

and any ship or aircraft owned or chartered by the non-resident person calls at a port, an aerodrome or an airport in Singapore, the non-resident person's full profits arising from the carriage of passengers, mail, livestock or goods shipped, or loaded into an aircraft, in Singapore are deemed to accrue in Singapore.

(2A) Subsection 2 shall not apply to passengers, mail, livestock or goods which are brought to Singapore solely for transshipment, or for transfer from one aircraft to another or from an aircraft to a ship or from a ship to an aircraft.

2.2 *Capital gains tax, or income on wealth, etc.*

There is no capital gains tax, or income on wealth, etc., which are chargeable on the sale or use of international air transport.

GEN 3 SERVICES

GEN 3.1 AERONAUTICAL INFORMATION SERVICES

3.1.1 RESPONSIBLE SERVICE

- 1.1 Aeronautical Information Services is a unit of the Air Traffic Services Division of the Civil Aviation Authority of Singapore which ensures the flow of information necessary for the safety, regularity and efficiency of international and national air navigation within the area of its responsibility as indicated under paragraph 2 below. It consists of the AIS Headquarters and International NOTAM Office (NOF). Changi and Seletar AIS Aerodrome units operate 24 hours at the same location.

1.2 *AIS Headquarters*

←

Post:	Tel: (65) 64227036
Aeronautical Information Services	Fax: (65) 64410221
Civil Aviation Authority of Singapore	Email: caas_singaporeais@caas.gov.sg
60 Airport Boulevard, #04-01, Changi Airport	
Terminal 2	
Singapore 819643	

1.3 *International NOTAM office (NOF) and Changi and Seletar AIS Aerodrome Units*

Post:	Tel: (65) 65956056 (Duty Supervisor)
Singapore Air Traffic Control Centre	Tel: (65) 65956053 (NOF)
(SATCC)	AFS: WSSSYNYX (NOF)
60 Biggin Hill Road	Tel: (65) 65956052 (Changi FPL Officer)
Singapore 509950	Fax: (65) 65431826 (Changi AIS)
	AFS: WSSSZPZX (Changi AIS)
	Tel: (65) 64812909 (Seletar FPL Officer)
	Fax: (65) 64833044 (Seletar AIS)
	AFS: WSSLZPZX (Seletar AIS)

The service is provided in accordance with the provisions contained in ICAO Annex 15 - Aeronautical Information Services and the guidance material in the Aeronautical Information Services Manual (Doc 8126 - AN/872).

3.1.2 AREA OF RESPONSIBILITY

- 3.1.2.1 Aeronautical Information Services is responsible for the collection and dissemination of information for the entire territory of Singapore and for the airspace over the high seas encompassed by the Singapore Flight Information Region.

- 3.1.2.2 For the following airspace within Jakarta FIR, AIS is jointly provided by Indonesia and Singapore:

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 excluding the Tanjungpinang Terminal Control Area (TMA) and Control Zone (CTR)

Vertical limit: SFC to FL370

3.1.3 AERONAUTICAL PUBLICATIONS

3.1 Aeronautical information is provided in the form of Aeronautical Information Products containing the following elements:

Aeronautical Information Publication (AIP) and related amendment service;
AIP Supplement (AIP SUP);
Notice to Airmen (NOTAM) and Pre-flight Information Bulletins (PIB);
Aeronautical Information Circulars (AIC); and
Aeronautical Charts

NOTAM and related monthly checklists are disseminated via the AFS and PIB via internet. All the other elements of the Aeronautical Information Products can be retrieved from AIM-SG URL at <https://aim-sg.caas.gov.sg>

3.2 Aeronautical Information Publication (AIP)

AIP Singapore is the basic aeronautical information document published for the Republic of Singapore and contains information of a lasting character essential to air navigation. It is available in English only. It is maintained up-to-date by a regular amendment service.

3.3 Amendment service to the AIP (AIP AMDT)

AIP AMDT is published in accordance with the established regular intervals (see GEN 0.1-2 paragraph 3.2). It incorporates permanent changes to the AIP on the indicated publication date.

A brief description of the amendments and changes made are provided in the AIP AMDT cover page.

Each AIP AMDT cover page also includes references to the serial numbers of those elements, if any, of the Integrated Aeronautical Information Package which have been incorporated into the AIP by the amendment.

Each AIP AMDT is allocated a serial number which is consecutive and based on the calendar year. The year, indicated by two digits, is a part of the serial number of the AIP AMDT.

3.4 AIP Supplement (AIP SUP)

Temporary changes of long duration (3 months or more) and information of short duration which contains extensive text and/or graphics, supplementing the permanent information contained in the AIP, are published as AIP SUP. Operationally significant changes to the AIP are published in accordance with the AIRAC system and its established effective dates, and are identified clearly by the acronym AIRAC.

Each AIP SUP (regular or AIRAC) is allocated a serial number which is consecutive and based on the calendar year.

An AIP SUP is kept as long as all or some of its contents remain valid. The period of validity of the information contained in the AIP SUP will normally be given in the AIP SUP itself. Alternatively, NOTAM may be used to indicate changes to the period of validity or cancellation of the AIP SUP.

The checklist of current AIP SUP is published in the monthly plain-language NOTAM List.

3.5 NOTAM and Pre-flight Information Bulletins (PIB)

A NOTAM contains information concerning the establishment, condition or change in any aeronautical facility, service, procedure or hazard, the timely knowledge of which is essential to personnel engaged in flight operations. Each NOTAM contains information in the order shown in the ICAO NOTAM format and is composed of abbreviated phraseology assigned to the ICAO NOTAM code complemented by ICAO abbreviations, indicators, identifiers, designators, callsigns, frequencies, figures and plain language. NOTAM originated and issued for Singapore FIR and the airspace within Jakarta FIR where AIS is jointly provided by Indonesia and Singapore are distributed in 'A' series.

NOTAM are published as and when necessary to disseminate information of direct operational significance which:

- a. is of an ephemeral nature;
- b. requires advance distribution; or
- c. is appropriate to the AIP but needs immediate dissemination.

Each NOTAM is assigned a 4-digit serial number preceded by the letter 'A' indicating the series, followed by a stroke and 2 digits indicating the year of issue. The serial numbers begin with 0001 every year. A checklist of current NOTAMs is issued every month via the AFS. Additionally, a monthly plain language list of valid NOTAM, including indications of the latest AIP Amendment, AIP Supplement, AIC issued and a checklist of current AIP Supplements is also retrievable online at <https://aim-sg.caas.gov.sg>

k. **Visual Approach Chart - ICAO**

This chart is produced for aerodromes used by civil aviation where:

- * only limited navigation facilities are available; or
- * radio communication facilities are not available; or
- * no adequate aeronautical charts of the aerodrome and its surroundings at 1:500 000 or greater scale are available; or
- * visual approach procedures have been established

The aeronautical data shown include information on aerodromes obstacles, designated airspace, visual approach information, radio navigation aids and communication facilities, as appropriate.

3.2.5 LIST OF AERONAUTICAL CHARTS AVAILABLE

GEN 3.2.5 LIST OF AERONAUTICAL CHARTS AVAILABLE					
<i>Title of Chart Series</i>	<i>Scale</i>	<i>Name and/or number</i>		<i>Price (\$)</i>	<i>Date</i>
World Aeronautical Chart ICAO (WAC)	1:1 000 000	WAC 2860		In AIP	21 MAR 24
Enroute Chart ICAO (ENRC)		ERC 6-1		In AIP	05 SEP 24
Instrument Approach Chart ICAO (IAC)		Singapore Changi			
	1:400 000	RWY 02L - ICW ILS/DME	AD-2-WSSS-IAC-1	In AIP	20 FEB 25
	1:400 000	RWY 02C - ICE ILS/DME	AD-2-WSSS-IAC-2	In AIP	20 FEB 25
	1:400 000	RWY 02R - ICX ILS/DME	AD-2-WSSS-IAC-3	In AIP	20 FEB 25
	1:400 000	RWY 20R - ICH ILS/DME	AD-2-WSSS-IAC-5	In AIP	20 FEB 25
	1:400 000	RWY 20C - ICC ILS/DME	AD-2-WSSS-IAC-6	In AIP	20 FEB 25
	1:400 000	RWY 20C - VTK DVOR/DME	AD-2-WSSS-IAC-7	In AIP	20 FEB 25
	1:400 000	RWY 02L - RNP	AD-2-WSSS-IAC-9	In AIP	20 FEB 25
	1:400 000	RWY 02C - RNP	AD-2-WSSS-IAC-10	In AIP	20 FEB 25
	1:400 000	RWY 20R - RNP	AD-2-WSSS-IAC-11	In AIP	20 FEB 25
	1:400 000	RWY 20C - RNP	AD-2-WSSS-IAC-12	In AIP	20 FEB 25
	1:400 000	RWY 02R - RNP	AD-2-WSSS-IAC-13	In AIP	20 FEB 25
	1:400 000	RWY 20L - RNP	AD-2-WSSS-IAC-14	In AIP	31 OCT 24
		Paya Lebar			
	1:400 000	RWY 20 - PU DVOR/DME	AD-2-WSAP-IAC-1	In AIP	20 FEB 25
	1:400 000	RWY 02 - PU DVOR/DME	AD-2-WSAP-IAC-2	In AIP	20 FEB 25
	1:400 000	RWY 20 - IPS ILS/DME	AD-2-WSAP-IAC-3	In AIP	20 FEB 25
	1:400 000	RWY 02 - IPN ILS/DME	AD-2-WSAP-IAC-4	In AIP	20 FEB 25
	1:400 000	RWY 02 - RNP	AD-2-WSAP-IAC-5	In AIP	20 FEB 25
	1:400 000	RWY 20 - RNP	AD-2-WSAP-IAC-6	In AIP	20 FEB 25
Visual Approach Chart ICAO (VAC)	1:400 000	Singapore Changi	AD-2-WSSS-VAC-1	In AIP	20 FEB 25
		Seletar			
	1:100 000	RWY 03	AD-2-WSSL-VAC-1	In AIP	05 SEP 24
	1:100 000	RWY 21	AD-2-WSSL-VAC-2	In AIP	05 SEP 24
	1:100 000	RWY 03	AD-2-WSSL-VAC-3	In AIP	05 SEP 24
	1:100 000	RWY 21	AD-2-WSSL-VAC-4	In AIP	05 SEP 24
Visual Departure Chart		Seletar			
	1:100 000	RWY 03	AD-2-WSSL-VDC-1	In AIP	20 FEB 25
	1:100 000	RWY 21	AD-2-WSSL-VDC-2	In AIP	20 FEB 25
Aerodrome Chart ICAO (AC)		Singapore Changi	AD-2-WSSS-ADC-2	In AIP	12 JUN 25
		Seletar	AD-2-WSSL-ADC-1	In AIP	26 DEC 24
		Paya Lebar	AD-2-WSAP-ADC-1	In AIP	16 JUL 20
Aerodrome Obstacle Chart ICAO TYPE A (AOC)		Singapore Changi			
	1:10 000	RWY 20R/02L	AD-2-WSSS-AOC-1	In AIP	12 JUN 25
	1:10 000	RWY 20C/02C	AD-2-WSSS-AOC-2	In AIP	05 SEP 24
	1:10 000	RWY 02R/20L	AD-2-WSSS-AOC-4	In AIP	08 SEP 22
		Seletar			
	1:10 000	RWY 03/21	AD-2-WSSL-AOC-1	In AIP	16 JUL 20
		Paya Lebar			
	1:20 000	RWY 20/02	AD-2-WSAP-AOC-1	In AIP	24 MAR 22
Aerodrome Obstacle Chart ICAO TYPE B (AOC)		Singapore Changi			
	1:20 000	RWY 02L/20R, 02C/20C and RWY 02R/20L	AD-2-WSSS-AOC-3	In AIP	12 JUN 25
		Seletar			
	1:20 000	RWY 03/21	AD-2-WSSL-AOC-2	In AIP	16 JUL 20

GEN 3.3 AIR TRAFFIC SERVICES

3.3.1 RESPONSIBLE SERVICE

- 1.1 The Director of the Air Traffic Services Division of the Civil Aviation Authority of Singapore (CAAS) acting under the authority of the Director-General of Civil Aviation is the authority responsible for the overall administration of air traffic services within the Singapore FIR.

←

Post: Tel: (65) 65412669
 Director (Air Traffic Services) Fax: (65) 6441 0221
 Air Traffic Services Division AFS: WSJCZQZX
 Civil Aviation Authority of Singapore
 60 Airport Boulevard, #04-01,
 Changi Airport Terminal 2
 Singapore 819643

- 1.2 The services are provided in accordance with the provisions contained in the following ICAO documents:
 Annex 2 – *Rules of the Air*
 Annex 11 – *Air Traffic Services*
 Doc 4444 – *Procedures for Air Navigation Services - Air Traffic Management (PANS-ATM)*
 Doc 8168 – *Procedures for Air Navigation Services - Aircraft Operations (PANS-OPS)*
 Doc 7030 – *Regional Supplementary Procedures*

- 1.3 Differences to these provisions are detailed in subsection GEN 1.7.

3.3.2 AREA OF RESPONSIBILITY

- 2.1 Air traffic services are provided for the entire territory of Singapore, including its territorial waters as well as the airspace over the high seas within the Singapore FIR.
- 2.2 In some cases, in accordance with the regional air navigation agreement, air traffic services are provided, under the delegated authority, in the airspace within another bordering FIR. Details of such services are provided in section ENR 2.

3.3.3 TYPES OF SERVICES

- 3.1 The following types of services are provided:
- Flight Information Service (FIS) and Alerting Service (ALRS);
 - Area Control (ACC); and
 - Radar
- 3.2 With the exception of services provided at military air bases, the following types of services are provided at aerodromes:
- Aerodrome Control (TWR);
 - Aerodrome Flight Information Service (AFIS); and
 - Automatic Terminal Information Service (ATIS) at certain aerodromes
- 3.3 Air Traffic Control is exercised:
- a. on airways covering the main ATS routes;
 - b. within the Singapore/Johor Airspace Complex and in control zones at controlled aerodromes equipped with approach and/or landing aids.
- 3.4 Flight information service and alerting service within the Singapore FIR and air traffic control services in control areas are provided by one centre (ACC Singapore). There is no distinction between upper and lower controlled airspace. The axis of each airway is constituted by a line connecting reference points identified normally by radio navigational facilities.
- 3.5 Air traffic control, flight information and alerting services are provided by:
- a. ACC Singapore along the airways including those parts of the airways traversing the Singapore/Johor Airspace Complex;
 - b. the relevant aerodrome control tower in coordination with ACC Singapore as necessary, for arriving and departing aircraft.

- 3.6 Radar service is an integral part of the ATS system. A description of radar services and procedures is provided in subsection ENR 1.6. Additional procedures applicable within the Singapore/Johor Airspace Complex are contained in sub-section ENR 1.1.
- 3.7 The description of the airspace designated for air traffic services purpose is found in several tables, all forming part of sub-section ENR 2.1.
- 3.8 In general, the air traffic rules and procedures in force and the organisation of air traffic services are in conformity with ICAO Standards, Recommended Practices and Procedures. The regional supplementary procedures and altimeter setting procedures are set out in full. Differences between the national and international rules and procedures are given in sub-section GEN 1.7.
- 3.9 A few prohibited areas, restricted areas and danger areas are established within the Singapore/Johor Airspace Complex. These areas are shown in sub-section ENR 5.1. Activation of areas subject to intermittent activity is notified well in advance by NOTAM, giving reference to the area only by its identification.
- 3.10 4D/15 service is provided to the following category of aircraft:
- Aircraft operating within areas of Singapore FIR where radar services is provided by ATC;
 - ADS-B equipped aircraft operating in ADS-B airspace; and
 - ADS-C equipped aircraft logged on to WSJC on routes providing ADS/CPDLC service.

3.3.4 COORDINATION BETWEEN THE OPERATOR AND ATS

- 4.1 Coordination between the operator and air traffic services is effected in accordance with Chapter 2, paragraph 2.17 of ICAO Annex 11 - Air Traffic Services and Chapter 11, paragraphs 11.2.1.1.2, 11.2.1.1.4 and 11.2.1.1.5 ICAO Doc 4444 - Procedures for Air Navigation Services - Air Traffic Management (PANS-ATM).

3.3.5 MINIMUM FLIGHT ALTITUDE

- 5.1 The minimum flight altitudes on the ATS routes listed in section ENR 3, have been determined to ensure at least 1,000ft (300m) vertical clearance above the highest known obstacle within the lateral limits of the route within Singapore FIR and the adjacent areas of adjoining FIRs.

3.3.6 ATS UNITS ADDRESS LIST

<i>Unit Name</i>	<i>Postal Address</i>	<i>Telephone Nr</i>	<i>Telefax Nr</i>	<i>Telex Nr</i>	<i>AFS Address</i>
1	2	3	4	5	6
SINGAPORE ACC / APP	Singapore Air Traffic Control Centre (SATCC) 60, Biggin Hill Road Singapore 509950	(65) 65412668 (ACC) (65) 65227002 (APP)	(65) 65457526 (ACC) (65) 65461790 (APP)	-	WSJCZQZX
SINGAPORE TOWER	Singapore Changi Control Tower Civil Aviation Authority of Singapore 60AirportBoulevard, #04-01, ChangiAirportTerminal 2 Singapore 819643	(65) 65956057 (65) 64227633	(65) 65459568 (65) 65456224	-	Nil
SELETAR TOWER	Seletar Control Tower Civil Aviation Authority of Singapore 60, Seletar Aerospace View Singapore 797561	(65) 64812893	(65) 64813510	-	WSSLZTZX

GEN 3.4 COMMUNICATION SERVICES

3.4.1 RESPONSIBLE SERVICE

- 1.1 The Civil Aviation Authority of Singapore (CAAS) is responsible for the provision of telecommunication and navigation facility services in Singapore.
- 1.2 Enquiries, suggestions or complaints regarding any telecommunication and navigation facility services should be referred to the Director-General of Civil Aviation.

← Post: Tel: (65) 65421122
Director-General of Civil Aviation Fax: (65) 65421231
Civil Aviation Authority of Singapore AFS: WSSSYAYX
60AirportBoulevard, #04-01,
ChangiAirport Terminal 2
Singapore 819643

- 1.3 The service is provided in accordance with the provisions contained in the following ICAO documents:
- Annex 10 – *Aeronautical Telecommunications*
Doc 8400 – *Procedures for Air Navigation Services - ICAO Abbreviations and Codes (PANS-ABC)*
Doc 8585 – *Designators for Aircraft Operating Agencies, Aeronautical Authorities and Services*
Doc 7030 – *Regional Supplementary Procedures*
Doc 7910 – *Location Indicators*
Doc 9880 - Manual on Detailed Technical Specifications for the Aeronautical Telecommunications Network (ATN) using ISO / OSI standards and protocols
- 1.4 Differences to these provisions are detailed in subsection GEN 1.7.

3.4.2 AREA OF RESPONSIBILITY

- 2.1 Communication services are provided for the entire SINGAPORE FIR.
- 2.2 For the following airspace within Jakarta FIR, aeronautical telecommunication services (CNS) will be jointly provided by Indonesia and Singapore:
- 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 excluding the Tanjungpinang Terminal Control Area (TMA) and Control Zone (CTR)

Vertical limit: SFC to FL370

3.4.3 TYPES OF SERVICE

3.1 *Radio navigation services*

- 3.1.1 The following types of radio aids to navigation are available:

LF/MF non-directional beacon (NDB)
Instrument landing system (ILS)
Doppler VHF omni-directional radio range (DVOR)
Distance measuring equipment (DME)
Long range primary and secondary surveillance radar
Primary and secondary approach radar
Airport surface detection equipment (ASDE)

3.2 Voice/data link services

3.2.1 Voice service

The aeronautical stations maintain a continuous watch on their stated frequencies during the published hours of service unless otherwise notified.

An aircraft should normally communicate with the air-ground control radio station that exercises control in the area in which the aircraft is flying. Aircraft should maintain a continuous watch on the appropriate frequency of the control station and should not abandon watch, except in an emergency, without informing the control radio station.

3.2.2 Enroute Communications Organisation

- a. The radio frequencies for enroute communications are listed in subsection ENR 2.1
- b. The Singapore HF network provides an umbrella communication coverage for the FIR and may be contacted if communication cannot be maintained on the primary channel.
- c. Aircraft approaching or departing from an airport is required to communicate with that airport on the appropriate surface movement, tower or approach control frequency.
- d. ADS-C and / or CPDLC services are available to suitably equipped aircraft operating outside radar cover and not in ADS-B exclusive airspace within the Singapore FIR. The hours when ADS-C and CPDLC services are available and the logon requirements are listed in ENR 2.1. Full details of the services are published in ENR 1.1 paragraphs 9.1 to 9.6.

3.2.3 Data link Service

The messages to be transmitted over the Aeronautical Fixed Service (AFS) are accepted only if:

- a. the messages satisfy the requirements of ICAO Annex 10, Volume II, Chapter 3, paragraph 3.3;
- b. the messages are prepared in the form specified in ICAO Annex 10;
- c. the text of an individual message does not exceed 1800 characters.

3.2.4 General Aircraft Operating Agency Messages

General aircraft operating agency messages (with priority indicator "KK") are only accepted for transmission to countries which have agreed to accept Class B2 traffic. Details of telecommunication charges for Class B2 traffic to countries with which Singapore has agreement for handling of such traffic are given below:

List of States/Regions to which Class B2 traffic will be accepted (rate of charge will be S\$0.30 per word):

Australia, Brunei, Hong Kong, Indonesia (AFS stations), Kampuchea Democratic, Malaysia (Peninsular Malaysia, Sabah and Sarawak), Myanmar, Netherlands, New Zealand, Philippines (Manila), Singapore, Taiwan, Thailand and Vietnam.

3.3 Broadcasting service

3.3.1 The following broadcasts are available for the use of aircraft in flight:

- a. HF RTF Volmet Broadcasts (page GEN 3.5-7 refers)
- b. VHF ATIS Broadcasts (page GEN 3.4-3 refers)

GEN 3.5 METEOROLOGICAL SERVICES

3.5.1 RESPONSIBLE SERVICE

- 1.1 The meteorological services for international air navigation are provided by the Meteorological Service Singapore of the National Environment Agency.

← Post:
THE DIRECTOR-GENERAL
Meteorological Service Singapore
60 Airport Boulevard, Changi Airport Terminal 2, #04-502-503
SINGAPORE 819643
← Tel: (65) 65457190(HQ)
← (65) 62446133 / (65) 65422837 (MET Office)
← Fax: (65) 65425026
← AFS: WSSSYMYX
URL: www.weather.gov.sg

- 1.2 The service is provided in accordance with the provisions contained in the following ICAO documents:

Annex 3 – *Meteorological Service for International Air Navigation*
Doc 7030 – *Regional Supplementary Procedures Part 3 - Meteorology*

- 1.3 Differences to these provisions, if any, are detailed in subsection GEN 1.7.

3.5.2 AREA OF RESPONSIBILITY

- 2.1 Aeronautical meteorological services (MET) is provided for the Singapore FIR. For the following portions of Jakarta FIR, MET is jointly provided by Indonesia and Singapore:

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

3.5.3 METEOROLOGICAL OBSERVATIONS AND REPORTS

Meteorological Observations and Reports					
<i>Name of Station/ Location Indicator</i>	<i>Type & Frequency of Observation/ Automatic Observing Equipment</i>	<i>Types of MET Reports & Supplementary Information included</i>	<i>Observation System & Sites (s)</i>	<i>Hours of Operation</i>	<i>Climatological Information</i>
1	2	3	4	5	6
SINGAPORE/ Singapore Changi WSSS	Half hourly plus special observations	MET REPORT Special Report METAR SPECI TREND WS	a. Ultrasonic wind sensors at ends and middle of RWY 02L/20R (Runway 1), RWY 02C/20C (Runway 2) and RWY 02R/20L (Runway 3). Surface wind report in METAR and SPECI is taken from the wind sensor at the southern end of RWY 02L (with the sensor at the northern end of RWY 02C/20C as backup). b. Windsocks at ends of all runways. c. Transmissometers at both ends and in the middle of all runways. d. Low level wind shear observations made continuously by system of 15 surface wind sensors, located in the airport and its vicinity. e. Integrated and combination of MET Doppler X, C and S band weather radars and two wind lidars for detecting wind shear up to 20km and monitoring storms up to 480km.	H24	Climatological Summaries available at Meteorological Service Singapore of the National Environment Agency.
SINGAPORE/ Seletar WSSL	Hourly plus special observations	MET REPORT Special Report METAR SPECI WS	a. Ultrasonic wind sensors at the ends of runway (surface wind report in METAR and SPECI is taken from measurements of the ultrasonic wind sensor at RWY 03). b. Windsocks at both ends of RWY 03 and 21. c. Transmissometers at both ends of RWY 03 and 21. d. Low level wind shear observations made continuously by system of 6 surface wind sensors, located in its vicinity. e. Integrated and combination of MET Doppler C and S band weather radars for detecting wind shear within 20km and monitoring storms up to 480km.	H24	NIL
SINGAPORE/ Paya Lebar WSAP	Hourly plus special observations	METAR SPECI	a. Cup anemometers and wind vanes located at both ends of the runway, and an ultrasonic wind sensor located at 400m next to mid-runway. Surface wind report in METAR and SPECI is taken from the ultrasonic wind sensor.	H24	NIL

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)
← 60AirportBoulevard, #04-01, ChangiAirport Terminal 2
← Singapore 819643

TEL : (65) 65412069 or 65412042
FAX : (65) 65423952
EMAIL : 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](#)

ENR 1.11 ADDRESSING OF FLIGHT PLAN MESSAGES

- 1 Flight movement messages relating to traffic into or via the Singapore FIR and airspace within the Jakarta FIR where ATS is provided by Singapore (see ENR 2.1) shall be addressed as stated below in order to warrant correct relay and delivery.

Category of Flight (IFR, VFR or both)	Route (Into or via FIR and/or TMA)	Message Address
1	2	3
All flights	Transiting into or via:	
	Singapore FIR (WSJC)	WSJCZQZX
	Airspace within the Jakarta FIR where ATS is provided by Singapore (see ENR 2.1)	WSJCZQZX WIIFZQZX
	Inbound to:	
	Singapore Changi Airport (WSSS) Seletar Airport (WSSL) Paya Lebar Airport (WSAP) Tengah Airport (WSAT)	WSJCZQZX
	Outbound from:	
	Singapore Changi Airport (WSSS)	WSSSZPZX
	Seletar Airport (WSSL)	WSSLZPZX
	Paya Lebar Airport (WSAP)	WSAPZPZX
	Tengah Airport (WSAT)	WSATZPZX

Note:

Flight movement messages comprise flight plan messages, amendment messages relating thereto and flight plan cancellation messages (ICAO DOC 4444 - PANS-ATM, Chapter 11, paragraph 11.2.1.1.3 refers).

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ENR 1.14 AIR TRAFFIC INCIDENTS

1 DEFINITION OF AIR TRAFFIC INCIDENTS

- 1.1 An incident is an occurrence other than an accident associated with the operation of an aircraft which affect or could affect the safety of operation.
- 1.2 An incident may be caused by any of the following:
- a. Ground Organisation:
 - i. abnormal function or operation of radio communication or navigational aids, faulty organisation or procedure;
 - ii. personal negligence, incompetence, error or misapplication of procedures or instructions.
 - b. Aircrew - negligence, incompetence, error of judgement, misapplication of procedures or failure to comply with procedures or instructions.
 - c. Aircraft - defects in the aircraft or its equipment.
 - d. Severe meteorological conditions.

2 USE OF AIR TRAFFIC INCIDENT REPORTING FORMS

- 2.1 Pilots shall file all incident reports on the "Air Traffic Incident Report Form" (see pages ENR 1.14-3 to ENR 1.14-6) in order to speed up the process of investigation of the various categories of incidents.

3 AIR TRAFFIC INCIDENT REPORTING PROCEDURES

- 3.1 A pilot should proceed as follows regarding an incident in which he is or has been involved:
- a. during flight, use the appropriate air/ground frequency for reporting an incident of major significance, particularly if it involves other aircraft, so as to permit the facts to be ascertained immediately;
 - b. as promptly as possible after landing submit a completed "Air Traffic Incident Report Form":
 - i. for confirming a report of an incident made initially as in 3.1 a) above, or for making the initial report on such an incident if it had not been possible to report it by radio;
 - ii. for reporting an incident which did not require immediate notification at the time of occurrence.
- 3.2 An initial report made by radio should contain the following information:
- A - Type of incident, e.g. near collision.
 - F - Radio call sign of aircraft making report.
 - J - Position, heading or route, true airspeed.
 - K - FL, altitude or height, and aircraft altitude.
 - L - IMC or VMC.
 - M - Time of incident, in UTC.
 - N - Description of other aircraft, if relevant.
 - O - Brief details of incident, including when appropriate, sighting distance and miss distance.
- 3.3 The confirmatory report on an incident of major significance initially reported by radio or the initial report on any other incident should be submitted to the Aeronautical Information Services located at Passenger Terminal 1, East, 4th Storey, Room 041-52 on the "Air Traffic Incident Report Form." A copy of the incident report form should also be forwarded to the Co-ordination/Investigation Authority as shown in page ENR 1.14-2 para 5 and the operating company or agency concerned.

4 INVESTIGATION

- 4.1 All Incident Reports filed will be thoroughly investigated and the complainant will be notified of the results of the investigation as soon as possible.

5 CO-ORDINATION/INVESTIGATION AUTHORITY

5.1 Co-ordination/Investigation Authority responsible for the Co-ordination/Investigation of Near Collision/Infringements, ATC Complaints, Fault Reporting and Post-Flight Information Service:

←

Co-ordination/Investigation Authority	Area Of Responsibility
Director-General of Civil Aviation Civil Aviation Authority of Singapore 60AirportBoulevard, #04-01, ChangiAirportTerminal2 Singapore 819643	Within Singapore FIR and airspace where ATS is provided by Singapore. (Refer to pages ENR 2.1-1 to ENR 2.1-5)

6 OTHER REPORTS UNDER ICAO INITIATIVE FOR DATA COLLECTION AND ANALYSIS PURPOSES

6.1 Wake Vortex

6.1.1 Pilots can submit the report online direct to ICAO at:

<https://portal.icao.int/WTER/Pages/default.aspx>

7 INDEX OF REPORTING FORMS APPENDED TO THIS SECTION

S/N	Form	Page
1	Air Traffic Incident Report Form	ENR 1.14-3 to ENR 1.14-6

Route Designator {RNP Type}		[Route Usage Notes]							
	Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG ↓ ↑	Dist NM	(COP)	Upper limit Lower limit	MNM FLT ALT	Lateral limits NM	Direction of cruising levels		Controlling unit Frequency {Airspace class} Remarks
							↓	↑	
1	2	3	4	5	6	7	8	9	10
	158° 338°	14.5NM		FL 600 2000 FT ALT	4000 FT	10	Odd ⁽¹⁾	Even ⁽¹⁾	[Class A – ABV FL150] [Class B – BLW FL150] (3)
▲ BAVAL	004518N 1040242E								
	156° 336°	27.0NM		FL 600 2000 FT ALT	5000 FT	10	Odd ⁽¹⁾	Even ⁽¹⁾	[Class A – ABV FL150] [Class B – BLW FL150] (3)
▲ POSOG	002024N 1041323E								
	156° 336°	53.5NM		FL 6000 2000 FT ALT	4000 FT	10	Odd ⁽¹⁾	Even ⁽¹⁾	[Class A – ABV FL150] [Class B – BLW FL150] (3)
▲ ENPUX	002859S 1043434E								
Route Remarks: Flight Planning Instructions: Flights overflying Singapore FIR to destinations in Jakarta FIR and beyond to flight plan via B470 ANITO.									
Point/Segment Remarks: (2) Segment from VPK to AKOMA use: P133.8MHz S127.3MHz (3) Segment from AKOMA to ENPUX use: P134.4MHz S128.1MHz (4) Flights above FL370 between ATLIR and ENPUX, see AIP Indonesia ENR 2.1.									

Route Designator {RNP Type}		[Route Usage Notes]								
Significant Point Name		Significant Point Coordinates							Remarks	
{RNP Type}	Track MAG ↓ ↑	Dist NM	(COP)	Upper limit Lower limit	MNM FLT ALT	Lateral limits NM	Direction of cruising levels		Controlling unit Frequency {Airspace class} Remarks	
							↓	↑		
1	2	3	4	5	6	7	8	9	10	
B470		Route availability: (1) H24								
▲ SINJON DVOR/DME (SJ)	011321N 1035115E									
	145° -	2.2NM		FL 460 2000 FT ALT	3000 FT	10	Odd ⁽¹⁾		[Class A – ABV FL150] [Class B – BLW FL150]	
▲ VEPGA (WSJC/WIIF FIR BDRY) (Delegated airspace BDRY)	011131N 1035232E									
	146° -	16.0NM		FL 600 2000 FT ALT	3000 FT	10	Odd ⁽¹⁾		[Class A – ABV FL150] [Class B – BLW FL150]	
▲ IRPUG	005813N 1040127E									
	146° -	11.9NM		FL 600 2000 FT ALT	3000 FT	10	Odd ⁽¹⁾		[Class A – ABV FL150] [Class B – BLW FL150]	
▲ UDONI	004818N 1040806E									
	146° -	78.5NM		FL 600 2000 FT ALT	5000 FT	10	Odd ⁽¹⁾		[Class A – ABV FL150] [Class B – BLW FL150]	
▲ ANITO	001700S 1045200E									
<u>Route Remarks:</u> Unidirectional route (southbound) for flights from Singapore FIR to Jakarta FIR and beyond. For flights to these destination aerodromes: WICC, WIHH, WIII, WAHH, WAHS - FL300, FL320, FL340, FL360, FL380 and FL400 are available. <u>Flight Planning Instructions:</u> All departures from WIDD and WIDN to WIKK, WIII, WIHH, WICA, WAHH, WAHI to flight plan via KIRDA W26 PKP B470 or ANITO B470. Singapore ACC FREQ: P134.4MHz S128.1MHz <u>Point/Segment Remarks:</u> Flights above FL370 from VEPGA to ANITO, see AIP Indonesia ENR 2.1.										

Route Designator {RNP Type}		[Route Usage Notes]								
Significant Point Name		Significant Point Coordinates							Remarks	
{RNP Type}	Track MAG ↓ ↑	Dist NM	(COP)	Upper limit Lower limit	MNM FLT ALT	Lateral limits NM	Direction of cruising levels		Controlling unit Frequency {Airspace class} Remarks	
							↓	↑		
1	2	3	4	5	6	7	8	9	10	
W22		Route availability: (1) H24								
▲ TUSNU		003403N 1022109E								
		081° 261°	131.5NM		FL 600 6000 FT ALT		10	Odd ⁽¹⁾	Even ⁽¹⁾	[Class A – ABV FL150] [Class B – BLW FL150]
▲ TANJUNGPINANG VOR/DME (TPG)		005413N 1043052E								
Route Remarks: Singapore ACC FREQ: P133.25MHz S135.8MHz										
Point/Segment Remarks: Flights above FL370 between TUSNU and TPG VOR/DME, see AIP Indonesia ENR 2.1.										

Route Designator {RNP Type}		[Route Usage Notes]								
Significant Point Name		Significant Point Coordinates							Remarks	
{RNP Type}	Track MAG ↓ ↑	Dist NM	(COP)	Upper limit Lower limit	MNM FLT ALT	Lateral limits NM	Direction of cruising levels		Controlling unit Frequency {Airspace class} Remarks	
							↓	↑		
1	2	3	4	5	6	7	8	9	10	
W24		Route availability: (1) H24								
▲ ENPUX		002859S 1043434E								
		357° 177°	82.9NM		FL 600 6000 FT ALT		10	Even ⁽¹⁾	Odd ⁽¹⁾	[Class A – ABV FL150] [Class B – BLW FL150]
▲ TANJUNGPINANG VOR/DME (TPG)		005413N 1043052E								
Route Remarks: Singapore ACC FREQ: P134.4MHz S128.1MHz										
Flight Planning Instructions: All departures from WIDD and WIDN to WIPP to flight plan via ENPUX W24 NIPES PLB. All departures from WIDD and WIDN to WILL to flight plan via ENPUX W24 PLB W21 TERKA. All departures from WIDD and WIDN to WIJJ to flight plan via ENPUX W24 NIPES JMB.										
Point/Segment Remarks: Flights above FL370 between ENPUX and TPG VOR/DME, see AIP Indonesia ENR 2.1.										

Route Designator {RNP Type}		[Route Usage Notes]								
Significant Point Name		Significant Point Coordinates								Remarks
{RNP Type}	Track MAG ↓ ↑	Dist NM	(COP)	Upper limit Lower limit	MNM FLT ALT	Lateral limits NM	Direction of cruising levels		Controlling unit Frequency {Airspace class} Remarks	
							↓	↑		
1	2	3	4	5	6	7	8	9	10	
W26		Route availability: (1) H24								
▲ TANJUNGPINANG VOR/DME (TPG)		005413N 1043052E								
	152° 332°	61.0NM		FL 600 6000 FT ALT		10	Odd ⁽¹⁾	Even ⁽¹⁾	[Class A – ABV FL150] [Class B – BLW FL150]	
▲ KIRDA		000009N 1045934E								
Route Remarks: Singapore ACC FREQ: P134.4MHz S128.1MHz										
Flight Planning Instructions: All departures from WIDD and WIDN to WIKK to flight plan via KIRDA W26 PKP. All departures from WIDD and WIDN to WIII, WIHH, WICA, WAHH, WAHI to flight plan via KIRDA W26 PKP B470.										
Point/Segment Remarks: Flights above FL370 between TPG VOR/DME and KIRDA, see AIP Indonesia ENR 2.1.										

Route Designator {RNP Type}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates							Remarks
{RNP Type}	Track MAG ↓ ↑	Dist NM	(COP)	Upper limit Lower limit	MNM FLT ALT	Lateral limits NM	Direction of cruising levels		Controlling unit Frequency {Airspace class} Remarks
							↓	↑	
1	2	3	4	5	6	7	8	9	10
W401		Route availability: (1) H24							
▲ HOSBA (R079/34 DME SJ) (R103/24 DME VTK)		011948N 1042418E							
	294° 114°	27.6NM		FL 245 2000 FT ALT	7000 FT	5	Even ⁽¹⁾	Odd ⁽¹⁾	[Class A – ABV FL150 Class B – BLW FL150]
▲ OMKOM		013112N 1035910E							
	266° 086°	9.5NM		FL 245 2000 FT ALT	3000 FT	3	Even ⁽¹⁾	Odd ⁽¹⁾	[Class A – ABV FL150 Class B – BLW FL150]
Δ ALFA		013033N 1034942E							
	265° 085°	7.0NM		FL 245 3000 FT ALT	6000 FT	3	Even ⁽¹⁾	Odd ⁽¹⁾	[Class A – ABV FL150 Class B – BLW FL150]
▲ GUMPU		013000N 1034243E							
	262° 082°	18.1NM		FL 245 3000 FT ALT	6000 FT	3	Even ⁽¹⁾	Odd ⁽¹⁾	[Class A – ABV FL150 Class B – BLW FL150]
Δ LELIB		012729N 1032450E							
	262° 082°	4.8NM		FL 245 3000 FT ALT	6000 FT	3	Even ⁽¹⁾	Odd ⁽¹⁾	[Class A – ABV FL150 Class B – BLW FL150]
Δ PIMOK		012648N 1032008E							
Route Remarks: Controlling Authority: Singapore ACC Airspace below airway controlled by Johor Approach.									

Route Designator {RNP Type}		[Route Usage Notes]				
Significant Point Name		Significant Point Coordinates				Remarks
{RNP Type}	Track MAG ↓ ↑	Dist NM	Upper limit Lower limit	Direction of cruising levels		Controlling unit Frequency {Airspace class} Remarks
				↓	↑	
1	2	3	4	5	6	7
T24		Route availability: (1) H24				
▲ JUNHA	005413N 1043052E					
(2)	163° -	27.0NM	FL 600 3000 FT ALT	Odd ⁽¹⁾		[Class A – ABV FL150] [Class B – BLW FL150]
▲ GURES	002814N 1043835E					
(2)	120° -	26.7NM	FL 600 3000 FT ALT	Odd ⁽¹⁾		[Class A – ABV FL150] [Class B – BLW FL150]
▲ IDBUD (Delegated airspace BDRY)	001454N 1050139E					
(2)	120° -	103.6NM	FL 600 5500 FT ALT	Odd ⁽¹⁾		[Class A] [Class B]
▲ SURGA	003657S 1063119E					
<u>Route Remarks:</u> Singapore ACC FREQ: P134.4 MHz S128.1 MHz						
<u>Flight Planning Instructions:</u> All departures from Singapore aerodromes, Batam and Tanjungpinang joining ATS route M635 to flight plan via IDBUD T24.						
<u>Point/Segment Remarks:</u> Flights above FL370 from JUNHA to SURGA, see AIP Indonesia ENR 2.1.						

Route Designator {RNP Type}		[Route Usage Notes]					
	Significant Point Name	Significant Point Coordinates				Remarks	
{RNP Type}		Track MAG ↓ ↑	Dist NM	Upper limit Lower limit	Direction of cruising levels ↓ ↑		Controlling unit Frequency {Airspace class} Remarks
1		2	3	4	5	6	7
T25		Route availability: (1) H24					
▲ AVLUB		003112S 1042501E					
(2)		341 ° -	18.6NM	FL 600 FL 290	Even ⁽¹⁾		[Class A] [Class B] [Class C]
▲ IGUTU		001331S 1041857E					
Route Remarks: See Indonesia AIP ENR 2.1.							
Flight Planning Instructions: Flight planning unidirectional for northbound flights from DOLTA-IGUTU to Batam and Tanjungpinang. All departures from WIPP to WIDD and WIDN to flight plan via T25 IGUTU. All departures from WIKK to WIDD and WIDN to flight plan via DCT NIPES T25 IGUTU. All departures from WIJJ to WIDD and WIDN to flight plan via IGUTU.							

ENR 3.6 ENROUTE HOLDING

<i>HLDG ID/FIX/WPT Coordinates</i>	<i>INBD TR (*Mag)</i>	<i>Direction of Procedure Turn</i>	<i>MAX IAS</i>	<i>MNM-MAX HLDG Level</i>	<i>Time (min)</i>	<i>Controlling Unit and Frequency</i>
1	2	3	4	5	6	7
ASODU 003007N 1032704E	091	Right	220kt*	FL 160 FL 130	1	Singapore APP 124.6 MHz (PRI) 132.15 MHz (SRY)
BOBAG - Low Level 38.6 DME VTK R-234.7 24.0 DME SJ R-243.2 010230N 1032954E	082	Right	220kt*	FL 140 6000 FT ALT	1	Singapore APP 124.6 MHz (PRI) 132.15 MHz (SRY)
BOBAG - High Level 38.6 DME VTK R-234.7 24.0 DME SJ R-243.2 010230N 1032954E	082	Right	250kt*	FL 180 FL 150	1	Singapore ACC 133.25 MHz (PRI) 135.8 MHz (SRY)
ELALO 041240N 1043329E	174	Left	300kt*	FL 350 FL 280	1.5	Singapore ACC 123.7 MHz (PRI) 127.3 MHz (SRY)
HOSBA (HHA) - Low Level 34 DME SJ R-079 24 DME VTK R-103 011948N 1042418E	259	Right	230kt*	FL 140 7000 FT ALT	1	Singapore APP 120.3 MHz (PRI) 133.0 Mhz (SRY) 132.15 Mhz (SRY)
HOSBA (HHA) - High Level 34 DME SJ R-079 24 DME VTK R-103 011948N 1042418E	259	Right	265kt*	FL 250 FL 150	1.5	Singapore ACC 134.4 MHz (PRI) 128.1 MHz (SRY) 255.4 MHz
KARTO 93.5 DME VTK R-098.3 102.6 DME SJ R-091.1 011124N 1053343E	268	Left	250kt*	FL 310 FL 170	1.5	Singapore ACC 134.2 MHz (PRI) 133.35 MHz (SRY)
KEXAS 49.2 DME VTK R-107.2 011019N 1044818E	268	Left	220kt*	FL 160 11000 FT ALT	1	Singapore APP 124.05 MHz (PRI) 132.15 MHz (SRY)
KILOT 030217N 1044023E	227	Left	250kt*	FL 270 FL 220	1.5	Singapore ACC 134.7 MHz (PRI) 134.15 MHz (SRY)
LAMA 7 DME PU R-024 013150N 1035850E	204	Right	230kt*	FL 140 2500 FT ALT	1	Singapore APP 126.025 MHz (PRI) 132.15 MHz (SRY)
MABAL 142.1 DME VTK R-030.1 157.2 DME SJ R-031.2 032826N 1051236E	231	Left	300kt*	FL 350 FL 280	1.5	Singapore ACC 123.7 MHz (PRI) 127.3 MHz (SRY)
NYLON (NHA) - Low Level 13 DME VTK R-023 013657N 1040624E	203	Left	220kt*	FL 140 3000 FT ALT	1	Singapore APP 124.05 MHz (PRI) 132.15 MHz (SRY)
NYLON (NHA) - High Level 13 DME VTK R-023 013657N 1040624E	203	Left	265kt*	FL 250 FL 150	1.5	Singapore ACC 124.6 MHz (PRI) 132.15 MHz (SRY)
REMES 30 DME SJ R-168 004342N 1035735E	348	Left	220kt*	FL 140 6000 FT ALT	1	Singapore APP 124.6 MHz (PRI) 132.15 MHz (SRY)
REPOV 68.2 DME VTK R-178.6 57.9 DME SJ R-168.3 001623N 1040300E	348	Left	250kt*	FL 250 FL 150	1.5	Singapore ACC 134.4 MHz (PRI) 128.1 MHz (SRY)
SAMKO (SHA) - Low Level 8 DME SJ R-168 21 DME VTKR-203.5 010530N 1035255E	348	Left	220kt*	FL 140 4000 FT ALT	1	Singapore APP 120.3 MHz (PRI) 124.6 MHz (SRY)

<i>HLDG ID/FIX/WPT Coordinates</i>	<i>INBD TR (°Mag)</i>	<i>Direction of Procedure Turn</i>	<i>MAX IAS</i>	<i>MNM-MAX HLDG Level</i>	<i>Time (min)</i>	<i>Controlling Unit and Frequency</i>
1	2	3	4	5	6	7
SAMKO (SHA) - High Level 8 DME SJ R-168 21 DME VTK R-203.5 010530N 1035255E	348	Left	265kt*	FL 250 FL 150	1.5	Singapore ACC 133.25 MHz (PRI) 135.8 MHz (SRY)
SINJON SJ DVOR/DME 011321N1035115E	348	Right	230kt*	FL 140 4500 FT ALT	1	Singapore APP 120.3 MHz (PRI) 124.6 MHz (SRY)
TUSPI 003301N 1040959E	350	Right	220kt*	10000 FT ALT 4000 FT ALT	1	Singapore APP 124.6 MHz (PRI) 132.15 MHz (SRY)
UGEBO 003813N 1052432E	310	Left	250kt*	FL 310 FL 170	1.5	Singapore ACC 134.2 MHz (PRI) 133.35 MHz (SRY)
USPAN 004536N 1045439E	238	Left	220kt*	FL 150 11000 FT	1	Singapore APP 124.05 MHz (PRI) 132.15 Mhz (SRY)
VAMPO 44.5 DME VTK R233.9 005833N 1032525E	149	Right	220kt*	FL 180 6000 FT ALT	1	Singapore APP 124.6 MHz (PRI) 132.15 MHz (SRY)

* Maximum speed of 280kt in conditions of turbulence subject to ATC clearance.

ENR 4.4 NAME-CODE DESIGNATIONS FOR SIGNIFICANT POINTS

Name-code designator	Co-ordinates	ATS route or other route	Terminal Area
1	2	3	4
ABVIP	010008N 1035032E		STAR-WSSS
ABVON	012028N 1035827E		IAC-WSSS
ADNIK	011651N 1035655E		IAC-WSSS
ADPON	011203N 1040514E		SID-WSSS
AGROT	010108N 1035808E		STAR-WSSS
AGVAR	014719N 1034145E		SID-WSSS
AKDAT	032923N 1054917E	N875	
AKIPO	011356N 1035542E		IAC-WSSS
AKMET	015355N 1034339E		SID-WSSS
AKMON	081254N 1101306E	L625 , M768	
AKOMA	014522N 1035443E	B469 , Y339	SID-WSSS, IAC-WSSS
AKVOM	005620N 1041514E	B338 , M630	
ANBUS	011554N 1032100E	P501	
ANITO	001700S 1045200E	B338 , B470 , P501	SID-WSSS
ANUMA	011053N 1035424E		IAC-WSSS
APIPA	010618N 1035228E		IAC-WSSS
ARAMA	013654N 1030712E	A464 , P501	STAR-WSSS
AROSO	020846N 1032421E	Y339 , Y342	SID-WSSS
ASISU	055906N 1132046E	M768 , M772	
ASITI	004906N 1035042E		SID-WSSS
ASODU	003007N 1032704E		HLDG ID
ASOMI	010142N 1040207E		SID-WSSS
ASUNA	005948N 1030954E	R469 , L762	STAR-WSSS
ATLEX	010302N 1033331E		SID-WSSS
ATLIR	011120N 1035208E	B469	
ATPOM	002425N 1052114E	M635	
ATRUM	013256N 1040057E		SID-WSSS
AVLUB	003112S 1042501E	T25	
AVPIV	011207N 1035349E	A464	
BAVAL	004518N 1040242E	B469	
BETBA	013302N 1035331E		STAR-WSSS
BIDAG	073101N 1135544E	M772	
BIDUS	013554N 1035755E		IAC-WSSS, STAR-WSSS
BIKTA	024337N 1034308E	B469	
BIMOS	011512N 1035815E		IAC-WSSS

<i>Name-code designator</i>	<i>Co-ordinates</i>	<i>ATS route or other route</i>	<i>Terminal Area</i>
1	2	3	4
BIPOP	013122N 1041018E		IAC-WSSS, STAR-WSSS
BISOV	004229N 1025214E		SID-WSSS
BISUT	011218N 1035701E		IAC-WSSS
BITAM	010813N 1040757E		STAR-WSSS
BOBAG	010230N 1032954E	R469, M630, N502, P501	HLDG ID, SID-WSSS, STAR-WSSS
BOBOB	022206N 1070558E	M767	
BOKIP	010421N 1034353E		SID-WSSS, STAR-WSSS
BONSU	011928N 1033710E	A576	
BOPVA	025303N 1051349E	M761	
BUVAL	033622N 1034341E	L629	
DAKIX	070854N 1145054E	L649	
DAMOG	041225N 1050014E	M771, N875	
DODSO	012225N 1061402E	G580, T21	SID-WSSS
DOLOX	044841N 1052247E	L629, M771, T612	
DOVAN	011938N 1041249E		STAR-WSSS
DOVOL	033047N 1034923E	L635, Y334	
DOWON	011957N 1043048E	G580	
DUBOT	010846N 1040103E		SID-WSSS
DUBSA	034901N 1044540E	L635, M771	
DUDIS	070000N 1064836E	L644, M771	
DUMUP	005430N 1035516E		STAR-WSSS
EGOLO	031934N 1040047E	L642	
EGORA	013621N 1040607E		IAC-WSSS
ELALO	041240N 1043329E	Q802, Q803	HLDG ID, STAR-WSSS
ELALU	013440N 1040524E		IAC-WSSS
ELBEB	012845N 1040254E		IAC-WSSS
ELBEX	013149N 1040314E		IAC-WSSS
ELGAP	012820N 1040146E		IAC-WSSS
ELGOR	033014N 1054818E	M758, N875	
ELMIN	012550N 1040141E		IAC-WSSS
EMRIX	012606N 1041040E		SID-WSSS
EMSIB	005911N 1035419E	G579, M630	
EMSUX	024647N 1051026E	G334	
EMTAP	011656N 1035657E		IAC-WSSS
ENLES	010932N 1035350E		IAC-WSSS
ENPUX	002859S 1043434E	B469, W24	
ENREP	045224N 1041442E	L642, M753, M763, M904, N875, N891	

<i>Name-code designator</i>	<i>Co-ordinates</i>	<i>ATS route or other route</i>	<i>Terminal Area</i>
1	2	3	4
ENSUN	012603N 1040048E		IAC-WSSS
ENVUM	011535N 1040552E	B338	
ERVIV	010445N 1041013E		SID-WSSS
ERVOT	011120N 1035436E		IAC-WSSS
ESBIT	012212N 1040009E		IAC-WSSS
ESBUM	045210N 1042830E	Q801, Q802	
ESLUX	011844N 1035840E		IAC-WSSS
ESPOB	070000N 1053318E	L642, Q801	
EXOMO	010425N 1040933E		IAC-WSSS
GIXEM	004920N 1042539E		SID-WSSS
GOTGA	012013N 1044200E		SID-WSSS
GULGU	040141N 1084242E	M758	
GULIB	041714N 1110633E	L517	
GUMPU	013000N 1034243E	G579, W401	STAR-WSSS
GUNUD	011042N 1050618E		STAR-WSSS
GURES	002814N 1043835E	T24	SID-WSSS
GUTUP	045911N 1075603E	L625	
HOSBA	011948N 1042418E	G580, W401	HLDG ID, SID-WSSS
IBASU	005751N 1033410E		STAR-WSSS
IBIVA	011351N 1035637E		SID-WSSS
IBIXU	011621N 1035740E		SID-WSSS
IDBUD	001454N 1050139E	T24	SID-WSSS
IDEMO	025431N 1040603E	G334	
IDKIV	005652N 1041333E		SID-WSSS
IDMAS	004900N 1041848E	B338	
IDSEL	032432N 1035544E	M758, T611, T612, Y335	
IDUNA	012306N 1035934E		IAC-WSSS
IDURO	012640N 1040104E		IAC-WSSS
IDVAS	012935N 1040218E		IAC-WSSS
IGARI	065612N 1033506E	R208, M765, N891	
IGNON	010847N 1041257E		STAR-WSSS
IGOSI	005645N 1040644E		SID-WSSS
IGULA	013232N 1040333E		IAC-WSSS
IGUTU	001331S 1041857E	T25	
IKIRO	000849N 1044420E		SID-WSSS
IKUKO	054512N 1031324E	R208	
IKUMI	055338N 1035509E	N891	

<i>Name-code designator</i>	<i>Co-ordinates</i>	<i>ATS route or other route</i>	<i>Terminal Area</i>
1	2	3	4
INVUB	002749N 1051530E	M635	
IPDOL	045111N 1035920E	Q803 , T611	
IPNAK	013712N 1040531E		IAC-WSSS
IPRIX	070000N 1040754E	M753 , Q802 , T611	
IRPUG	005813N 1040127E	B470 , M630	
IRSAB	024349N 1054359E	G334	
IRTAD	010326N 1041147E	A464 , B338	
ISDEB	024440N 1063011E	L625	
ISGIL	004246N 1031257E		SID-WSSS
ISNOM	010629N 1035826E		SID-WSSS
JUNHA	005413N 1043052E	M630 , M635 , M774 , T21 , T23 , T24	
KAUSA	011703N 1035758E		IAC-WSSS
KANLA	034556N 1043606E		STAR-WSSS
KARTO	011124N 1053343E		HLDG ID, STAR-WSSS,
KASPO	011507N 1035709E		IAC-WSSS
KETOD	031042N 1040942E	M761 , Y336	
KEXAS	011019N 1044818E		HLDG ID, STAR-WSSS
KEXOL	043930N 1040942E	Q803	
KIBOL	025224N 1042818E	G334 , N892	
KILOT	030217N 1044023E	M761 , N892	STAR-WSSS
KIMER	011106N 1035527E		IAC-WSSS
KIRDA	000009N 1045934E	W26	SID-WSSS
LAGOT	071632N 1113243E	M768 , N884	
LAGUS	011915N 1035854E		IAC-WSSS
LAPOL	012622N 1034435E	G579	
LASIN	011538N 1035722E		IAC-WSSS
LAVAX	010950N 1042714E		STAR-WSSS
LAXOR	094937N 1144829E	L649 , M772 , N884	
LEBIN	031438N 1060604E	N884	
LEDOX	011642N 1035651E		SID-WSSS
LEGOL	012053N 1034723E	G579	
LELIB	012729N 1032450E	A464 , W401	SID-WSSS, STAR-WSSS
LELON	011244N 1035609E		IAC-WSSS
LENDI	024124N 1043932E	N884	
LEPNA	010648N 1035339E		IAC-WSSS
LETGO	011411N 1035548E		SID-WSSS
LIDVA	010506N 1035255E		IAC-WSSS

<i>Name-code designator</i>	<i>Co-ordinates</i>	<i>ATS route or other route</i>	<i>Terminal Area</i>
1	2	3	4
LIGVU	034417N 1061859E	L644	
LIPRO	025342N 1051128E	M761 , N884	
LUSMO	033341N 1065534E	L625 , M758 , N884	
LUXOL	011803N 1035823E		IAC-WSSS
MABAL	032826N 1051236E	M758 , N892	HLDG ID, STAR-WSSS
MABLI	041717N 1061247E	L635 , L644 , N892	
MANIM	031430N 1040554E	N891	
MASBO	020248N 1025251E	A457	SID-WSSS
MASNI	012037N 1033746E	A464	
MELAS	070518N 1080912E	N892	
MIBEL	012351N 1020816E	L762	SID-WSSS
MOLVO	012955N 1040227E		SID-WSSS
MOXIB	012933N 1040315E		SID-WSSS
MUMDU	010521N 1042714E		SID-WSSS
MUMSO	034420N 1053213E	N875 , N892	
NIVAM	023650N 1040228E	G219	
NIXEB	013943N 1061040E	M767	
NODIN	081100N 1161142E	M522	
NOPAT	042313N 1044756E	L629 , N875	
NUFFA	025341.40N 1033829.80E	Y514	
NYLON	013657N 1040624E		HLDG ID, IAC-WSSS, SID-WSSS, STAR-WSSS
OBDAB	031153N 1040538E	N891	
OBDOS	002503N 1065551E	M774 , T22	
ODONO	063614N 1030129E	M904	
OLKIT	045010N 1115118E	M758	
OLMUT	030306N 1053558E	N884	
OLNUB	011110N 1035147E	G579	
OMDUD	005847N 1035714E	B469 , M630	
OMKOM	013112N 1035910E	W401 , W651	
OPULA	033155N 1062118E	M758	
OSERU	024450N 1054334E	M761	
OTLAL	004209N 1053052E	M774	
OTLON	030752N 1042006E	M761 , M771	
PADLI	030918N 1033133E	B469 , Y332 , Y334 , Y335 , Y336	
PALGA	011059N 1034759E		STAR-WSSS
PAMSI	010459N 1034845E		STAR-WSSS
PARDI	003400S 1041300E	G579 , N502	

<i>Name-code designator</i>	<i>Co-ordinates</i>	<i>ATS route or other route</i>	<i>Terminal Area</i>
1	2	3	4
PASPU	015915N 1040618E		STAR-WSSS,
PEKLA	023437N 1040618E	N892	
PIBAP	023023N 1040618E		STAR-WSSS
PIMOK	012648N 1032008E	A576, W401	,
POSOG	002024N 1041323E	B469, P501	
POSUB	012725N 1040748E		STAR-WSSS
POVEB	011344N 1040130E		SID-WSSS
RAXIM	030318N 1041713E	M771	
REKOP	013306N 1030521E	A576	
REMES	004342N 1035735E	G579	HLDG ID, STAR-WSSS
REPOV	001623N 1040300E	G579	HLDG ID, STAR-WSSS
RILRI	044343N 1082239E	N884	
ROBMO	025440N 1035700E	L642	
SABKA	015051N 1031713E	A457	SID-WSSS
SALRU	011701N 1040802E		SID-WSSS
SAMKO	010530N 1035255E	R469, W407	HLDG ID, STAR-WSSS, SID-WSSS
SANAT	010749N 1035930E		STAR-WSSS
SAPEX	011316N 1035617E	W407	
SEBVO	011258N 1043448E		SID-WSSS
SUKRI	012306N 1025904E	M630	
SUMLA	080242N 1160054E	M754	
SURGA	003657S 1063119E	M635, T23, T24	
SUSAR	035848N 1051547E	L635, N875	
TAROS	004200N 1021612E	R469	SID-WSSS
TAXUL	035035N 1034037E	M763, Y332	
TEBUN	011455N 1031557E		STAR-WSSS
TEGID	085656N 1155143E	M767	
TERIX	041521N 1093456E	L517, M758, M767	
TIDAR	065230N 1025000E	M904	
TODAM	063138N 1123536E	M767, M768	
TOMAN	012147N 1054717E	G580, L625, M646, M767, T21	SID-WSSS, STAR-WSSS
TOPOR	014412N 1025330E	W534	
TUSNU	003403N 1022109E	W22	
TUSPI	003301N 1040959E		HLDG ID
UDONI	004818N 1040806E	B470	
UGEBO	003813N 1052432E	T22, T23	HLDG ID, STAR-WSSS
UGPEK	033647N 1040752E	L635, N891	

<i>Name-code designator</i>	<i>Co-ordinates</i>	<i>ATS route or other route</i>	<i>Terminal Area</i>
1	2	3	4
UKIBO	011758N 1035924E		SID-WSSS
UKLIS	034234N 1085149E	M767	
UNSID	011600N 1040955E	M635	
UPLAM	025043N 1063319E	L625	
UPRON	060903N 1032040E	M904, Q803	
UPSAN	004536N 1045439E		HLDG ID
UPTEL	005925N 1040730E		SID-WSSS
UPVUN	033022N 1055053E	M758	
URIGO	032505N 1040647E	M758, N891	
URKET	081130N 1145000E	L649	
UXATI	003348N 1035933E	G579, P501	
UXEDA	015449N 1060423E	L625	
VABRI	013115N 1040358E		IAC-WSSS
VAMPO	005833N 1032525E		HLDG ID, STAR-WSSS
VANBU	010643N 1042740E		SID-WSSS
VASTI	004320N 1043406E		SID-WSSS
VEBMA	012030N 1045332E	T21	SID-WSSS
VEGLO	025502N 1051457E	N884	
VENLI	062848N 1024900E	M765	
VENUN	013206N 1061351E	M646	
VEPGA	011131N 1035232E	B470	
VEPLI	035223N 1040542E	L629, L642	,
VERIN	023332N 1062425E	L625	
VEXEL	005904N 1034254E		STAR-WSSS
VIBOG	004310N 1034302E		SID-WSSS
VIGUD	011328N 1035730E		SID-WSSS
VILEV	012729N 1040222E		IAC-WSSS
VIMAL	010942N 1042353E		STAR-WSSS
VINIK	083830N 1161348E	M522, M754	
VIRET	003940N 1043511E		SID-WSSS
VIRID	031728.05N 1031318.04E	Y514	
VISAT	032620N 1043134E	M758, M771	
VOVOS	011123N 1032651E		SID-WSSS

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Aircraft Docking Guidance System (ADGS)	
Description	Display on ADGS
25 minutes prior to TOBT - ADGS will display TSAT derived by PDS - As ADGS can only display up to 7 characters per line, the displayed message will be scrolling. - TSAT timings may change as the PDS is continuously optimising push back times based on real time traffic conditions	Snapshot 1 Snapshot 2 Snapshot 3
Aircraft departure from stand - ADGS will display the actual off-block time (AOBT) - As ADGS can only display up to 7 characters per line, the displayed message will be scrolling - TOBT, TSAT and TOBT countdown timer will be removed - AOBT display will be removed 3 minutes after AOBT	Snapshot 1 Snapshot 2 Snapshot 3

7 CONTACT AND INFORMATION

- 7.1 Please contact the airport operator, Changi Airport Group (CAG), at a-cdm@changiairport.com for application of AOCS A-CDM and GMID account or if you have any queries.
- 7.2 Aircraft operators may also contact their ground handling agent directly on queries regarding TOBT submission.

8 DEPARTURE CLEARANCE (DCL) VIA DATALINK PROCEDURES

- 8.1 Aircraft need to be equipped with Aircraft Communications Addressing and Reporting System (ACARS) to support DCL application and be compliant with the European Organisation for Civil Aviation Equipment (EUROCAE) ED-85A (Data Link Application System Document (DLASD) for the DCL datalink service) and ARINC Specification 623-3.
- 8.2 Singapore application of DCL is in accordance with ED-85A.
- 8.3 The logon ID of the ground system for the provision of DCL service is WSSS.

- 8.4 DCL service is only applicable for flights departing from WSSS to the following routes / destinations:
- ← a. Destinations in Peninsular Malaysia and Thailand via ATS Route A457 and Y339
 - ← b. Destinations in Indonesia via ATS Routes T21 and T24
 - ← c. All destinations via ATS Route B469 / M751
 - ← d. All destinations via ATS Route B470
 - e. All destinations via ATS Route M771
 - f. All destinations via Waypoint DODSO to join G580
 - g. Flights with allocated Calculated Take-Off Time (CTOT) under Bay of Bengal Cooperative Air Traffic Flow Management (BOBCAT)
- 8.5 Pilot utilising the DCL service on selected routes shall request for ATC clearance through RCD message no earlier than 20 minutes before TOBT.
- a. For flights with allocated CTOT under BOBCAT, to input "CTOT HHMMz" under the free text field in RCD message.
 - b. For flights routed via ANITO B470, to input "ANITO FLxxx"(ANITO crossing level) under the free text field in RCD message.
 - c. Pilot shall contact Clearance Delivery or the next assigned frequency in 'Departure Clearance Uplink' (CLD) message within 5 minutes of TOBT using the following phraseology:
 - <"Callsign"...With P-D-C, fully ready>
 - Provide requested flight level if it differs from PFL filed in flight plan
 - Provide CTOT or ANITO crossing if not previously given in RCD message
- 8.6 DCL message format does not include the requested cruising level and final cruising level.
- a. The planned flight level (PFL) filed in flight plan field 15b will be used as requested level unless otherwise specified by pilot.
 - b. Final cruising level will be assigned by Singapore ATC after airborne and it is subjected to traffic disposition. No on-ground level negotiations or reservations are allowed.
- 8.7 DCL service does not provide clearance revision. Any revision to the clearance issued via datalink will be made by ATC through voice communications.
- 8.8 Clearance request through VHF using the existing voice procedures is still available for applicable flights under the DCL service.
- 8.9 ATC will reject the DCL request and send a "revert to voice procedures" message to the pilot if one of the following occurs:
- a. Flight's routes / destinations not stated in paragraph 8.4
 - b. RCD message does not comply with ED-85A or have inaccurate flight data, e.g. different Callsign / ADES from flight plan
 - c. Invalid TOBT
 - d. When required by ATC due to flow restriction
- 8.10 Upon receipt of any "revert to voice procedures" message, pilot shall cancel any clearance received previously (if any) and follow the existing voice procedures for clearance request, i.e. contact Clearance Delivery within 5 minutes of TOBT.
- 8.11 Pilot shall monitor the clearance delivery frequency once the DCL process is initiated. In the event of any issues encountered, ATC will revert to voice procedures.
- 8.12 ATC will revert with CLD message within 5 minutes of receipt of the RCD message. If no CLD message is received, pilot is to call on delivery frequency to verify request.
- 8.13 Pilot shall respond with 'Departure Clearance Readback Downlink' (CDA) message within 5 minutes of receipt of CLD message. Failure to comply may result in a "revert to voice procedures" message being sent.
- Note: The DCL process is only complete and clearance confirmed when CDA message is received and processed successfully.
A "CDA received – clearance confirmed" message will be sent to the pilot.
- 8.14 Aircraft operator / ground handling agent shall continue to update TOBT to reflect any changes in readiness time in accordance to A-CDM startup procedures stated in AIP Singapore section WSSS AD 2.22 paragraph 5.

01 21' 33"N
103°59' 22"E

TWR	118.6 / 118.25 / 131.4
GND	124.3 / 121.85 / 121.725 / 127.275
DELIVERY	121.65 / 119.6

RAMP TWR	
GND	122.55 (GMC 4 EAST)
	125.65 (GMC 4 WEST)

SINGAPORE/SINGAPORE CHANGI

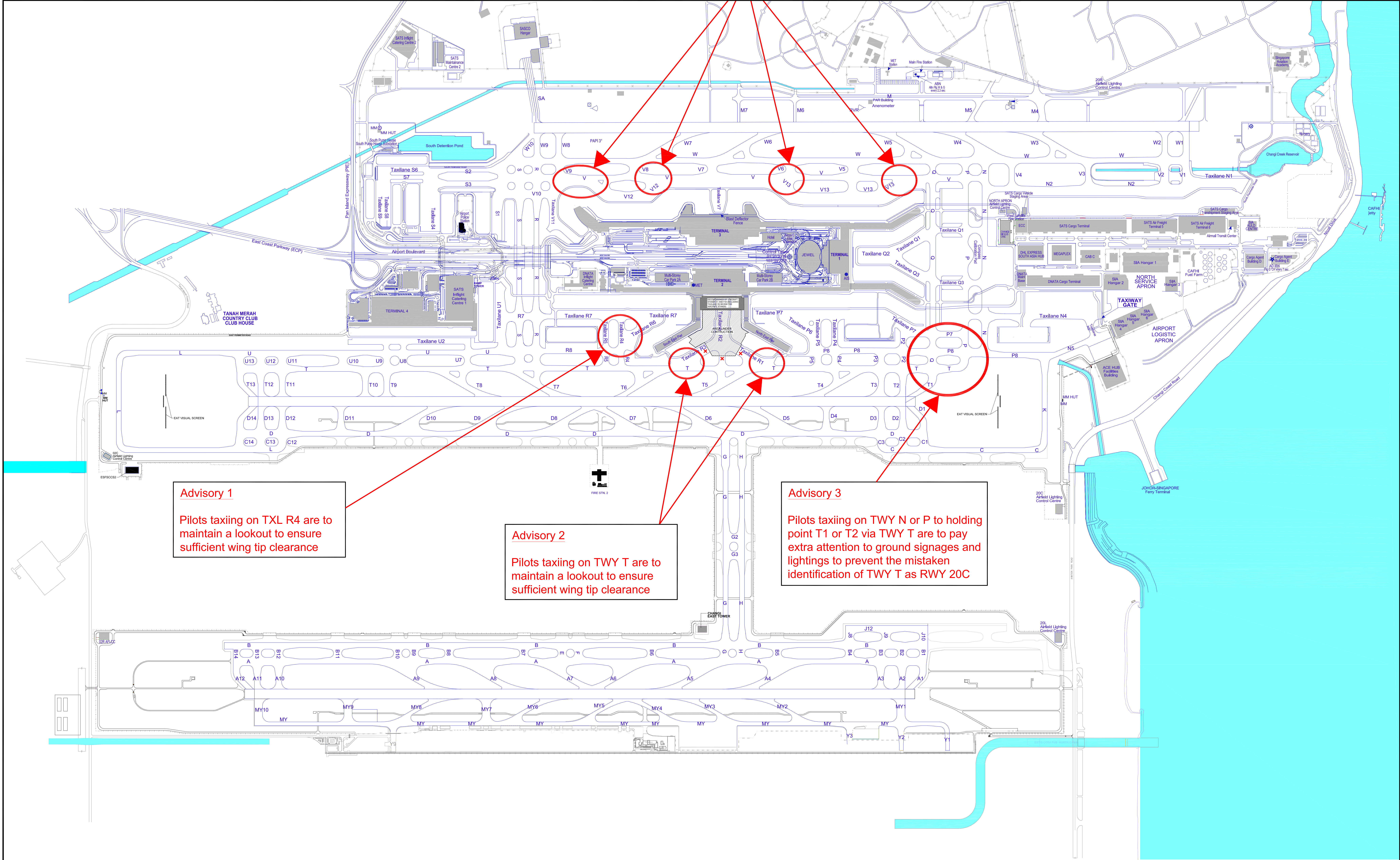


Changes : Updated TWY M4 and M5 alignment.
Updated RWY 02L aiming point marking.

INS COORDINATES FOR AIRCRAFT STANDS AND PRE-FLIGHT ALTIMETER CHECK LOCATIONS

LOCATION	STAND NR	NORTH LAT	EAST LONG	ELEVATION
T3 SOUTH APRON	A1	01 21 21.52	103 59 06.25	4.75m (15.58ft)
	A2	01 21 21.75	103 59 04.00	4.65m (15.26ft)
	A3	01 21 19.86	103 59 02.79	4.68m (15.29ft)
	A4	01 21 17.61	103 59 02.54	4.79m (15.72ft)
	A5	01 21 15.50	103 59 03.62	4.86m (15.94ft)
	A9	01 21 12.56	103 59 03.65	5.02m (16.47ft)
	A10	01 21 10.34	103 59 02.40	5.04m (16.54ft)
	A11	01 21 07.93	103 59 01.41	5.25m (17.22ft)
	A12	01 21 05.76	103 59 00.49	5.38m (17.65ft)
	A13	01 21 03.59	103 58 59.58	5.49m (17.98ft)
	A14	01 21 01.66	103 58 57.59	5.57m (18.27ft)
	A15	01 21 00.77	103 58 55.41	5.46m (17.91ft)
	A16	01 20 59.27	103 58 54.20	5.51m (18.08ft)
	A17	01 20 57.25	103 58 54.06	5.23m (17.16ft)
	A18	01 20 55.87	103 58 55.25	5.37m (17.62ft)
	A19	01 20 55.26	103 58 57.13	5.40m (17.72ft)
	A20	01 20 56.09	103 58 58.83	5.45m (17.88ft)
	A21	01 20 57.10	103 59 00.80	5.49m (18.01ft)
T3 NORTH APRON	B1	01 21 26.86	103 59 08.37	4.82m (15.81ft)
	B2	01 21 28.18	103 59 06.82	4.68m (15.35ft)
	B3	01 21 30.33	103 59 07.30	4.65m (15.26ft)
	B4	01 21 32.03	103 59 08.60	4.75m (15.58ft)
	B5	01 21 32.98	103 59 10.89	4.80m (15.75ft)
	B6	01 21 35.15	103 59 13.16	4.96m (16.27ft)
	B7	01 21 37.65	103 59 13.93	4.97m (16.31ft)
	B8	01 21 39.94	103 59 15.20	5.13m (16.83ft)
	B9	01 21 42.19	103 59 16.16	5.13m (16.83ft)
	B10	01 21 44.47	103 59 17.12	5.15m (16.90ft)
T1 WEST APRON	C1	01 21 46.75	103 59 18.08	5.09m (16.70ft)
	C20	01 21 48.83	103 59 19.23	5.09m (16.67ft)
	C22	01 21 51.00	103 59 20.13	5.15m (16.90ft)
	C23	01 21 53.56	103 59 20.77	5.08m (16.67ft)
	C24	01 21 56.54	103 59 20.97	4.89m (16.04ft)
	C25	01 21 59.12	103 59 20.59	4.89m (16.37ft)
	C26	01 22 01.48	103 59 20.76	5.01m (16.44ft)
T1 CENTRAL APRON	C11	01 21 47.42	103 59 23.82	5.09m (16.70ft)
	C13	01 21 49.63	103 59 24.75	5.03m (16.50ft)
	C15	01 21 51.89	103 59 25.70	5.06m (16.60ft)
	C16	01 21 53.47	103 59 26.62	4.89m (15.94ft)
	C17	01 21 55.50	103 59 28.20	5.01m (16.44ft)
	C17L	01 21 54.75	103 59 26.22	4.96m (16.27ft)
	C17R	01 21 56.01	103 59 25.68	5.12m (16.80ft)
	C18	01 21 57.86	103 59 25.75	4.99m (16.37ft)
	C19	01 21 59.79	103 59 25.63	4.95m (16.24ft)
	D30	01 21 44.54	103 59 30.14	5.08m (16.67ft)
	D32	01 21 46.75	103 59 31.08	5.08m (16.67ft)
	D34	01 21 49.03	103 59 32.04	5.07m (16.63ft)
	D35	01 21 50.87	103 59 32.82	5.02m (16.47ft)
	D36	01 21 51.98	103 59 34.52	5.06m (16.60ft)
	D37	01 21 53.37	103 59 36.28	4.97m (16.31ft)
	D38	01 21 54.58	103 59 37.77	4.99m (16.37ft)
T1 EAST APRON	D40	01 21 38.13	103 59 32.89	5.11m (16.77ft)
	D40L	01 21 37.38	103 59 32.83	5.09m (16.70ft)
	D40R	01 21 38.77	103 59 32.84	5.13m (16.83ft)
	D41	01 21 40.50	103 59 33.81	5.07m (16.63ft)
	D42	01 21 42.77	103 59 34.58	5.15m (16.89ft)
	D42L	01 21 42.00	103 59 34.47	5.12m (16.79ft)
	D42R	01 21 43.45	103 59 34.44	5.21m (17.09ft)
	D44	01 21 44.97	103 59 35.44	5.14m (16.86ft)
	D46	01 21 47.40	103 59 36.72	5.08m (16.67ft)
	D47	01 21 49.19	103 59 38.89	4.93m (16.17ft)
	D48	01 21 50.60	103 59 40.77	4.97m (16.31ft)
	D49	01 21 52.23	103 59 42.35	4.98m (16.34ft)
T2 NORTH APRON	E8	01 21 27.99	103 59 38.45	4.68m (15.35ft)
	E10	01 21 24.12	103 59 32.64	4.75m (15.58ft)
	E11	01 21 26.57	103 59 34.37	4.78m (15.68ft)
	E12	01 21 27.20	103 59 36.42	4.75m (15.58ft)
	E20	01 21 24.36	103 59 27.08	5.04m (16.54ft)
	E22	01 21 26.64	103 59 28.04	5.07m (16.63ft)
	E24	01 21 29.01	103 59 29.06	5.09m (16.70ft)
	E24L	01 21 28.32	103 59 28.77	5.10m (16.73ft)
	E24R	01 21 29.53	103 59 29.28	5.08m (16.67ft)
	E26	01 21 31.19	103 59 29.96	5.08m (16.67ft)
	E27	01 21 33.56	103 59 30.96	5.07m (16.62ft)
	E27L	01 21 32.79	103 59 30.86	5.03m (16.48ft)
T2 SOUTH APRON	F31	01 21 13.87	103 59 25.30	4.91m (16.11ft)
	F32	01 21 13.03	103 59 27.26	4.85m (15.91ft)
	F33	01 21 11.30	103 59 28.54	4.91m (16.11ft)
	F34	01 21 08.98	103 59 28.86	4.92m (16.14ft)
	F35	01 21 06.60	103 59 29.55	4.91m (16.11ft)
	F35L	01 21 06.06	103 59 30.13	4.74m (15.55ft)
T2 CENTRAL APRON	F35R	01 21 06.96	103 59 29.05	5.04m (16.54ft)
	F36	01 21 04.34	103 59 29.67	4.82m (15.81ft)
	F37	01 20 59.83	103 59 27.87	4.75m (15.58ft)
EAST REMOTE APRON	F40	01 21 05.62	103 59 25.34	4.85m (15.91ft)
	F41	01 21 03.19	103 59 25.58	4.82m (15.81ft)
	F42	01 21 00.61	103 59 25.96	4.72m (15.49ft)
	F50	01 21 10.69	103 59 21.32	5.03m (16.50ft)
	F52	01 21 09.51	103 59 20.40	5.11m (16.77ft)
	F52L	01 21 07.82	103 59 20.11	5.16m (16.93ft)
	F52R	01 21 09.04	103 59 20.62	5.08m (16.67ft)
	F54	01 21 06.14	103 59 19.40	5.22m (17.13ft)
	F56	01 21 03.96	103 59 18.48	5.30m (17.39ft)
	F56L	01 21 03.27	103 59 18.18	5.42m (17.78ft)
SOUTH-EAST REMOTE APRON	F56R	01 21 04.49	103 59 18.70	5.34m (17.52ft)
	F59	01 20 59.41	103 59 16.55	5.64m (18.50ft)
	F59L	01 20 58.72	103 59 16.26	5.67m (18.60ft)
	F59R	01 20 59.03	103 59 16.78	5.60m (18.37ft)
	F60	01 20 56.91	103 59 15.50	5.77m (18.93ft)
	200	01 20 47.83	103 59 11.67	6.23m (20.44ft)
	200L	01 20 46.91	103 59 11.92	6.29m (20.64ft)
	200R	01 20 48.35	103 59 11.89	6.18m (20.28ft)
	201	01 20 49.99	103 59 12.62	5.96m (19.55ft)
	202	01 20 52.34	103 59 13.57	5.94m (19.49ft)
NORTH REMOTE APRON	202L	01 20 51.65	103 59 13.28	5.76m (18.90ft)
	202R	01 20 52.67	103 59 13.79	5.73m (18.80ft)
	203	01 20 54.52	103 59 14.47	5.92m (19.42ft)
	205	01 20 43.91	103 59 17.06	4.77m (15.65ft)
	206	01 20 46.08	103 59 17.98	4.76m (15.62ft)
	207	01 20 48.21	103 59 19.01	4.74m (15.55ft)
	208	01 20 50.68	103 59 20.05	4.75m (15.58ft)
	208L	01 20 50.01	103 59 19.76	4.74m (15.55ft)
	208R	01 20 51.25	103 59 20.29	4.73m (15.42ft)
	300	01 22 06.95	103 59 22.67	4.53m (14.86ft)
NORTH-EAST REMOTE APRON	301	01 22 06.41	103 59 24.69	4.93m (16.17ft)
	302	01 22 05.21	103 59 26.75	4.97m (16.31ft)
	303	01 22 03.55	103 59 31.40	5.32m (17.45ft)
	304	01 22 02.84	103 59 33.57	5.36m (17.55ft)
	305	01 22 02.14	103 59 34.71	5.30m (17.39ft)
	306	01 22 01.41	103 59 36.42	5.16m (16.93ft)
	307	01 21 59.39	103 59 40.36	5.16m (16.93ft)
	308	01 21 58.96	103 59 41.35	5.10m (16.73ft)
	309	01 21 58.52	103 59 43.17	5.06m (16.60ft)
	310	01 21 57.42	103 59 44.96	4.74m (15.55ft)
	951	01 22 09.35	103 59 45.23	5.15m (16.90ft)
	951L	01 22 08.91	103 59 44.77	5.00m (16.40ft)
	951R	01 22 08.35	103 59 45.58	5.00m (16.40ft)
	952	01 22 09.94	103 59 42.65	4.89m (16.04ft)
	953	01 22 11.22	103 59 40.85	4.98m (16.34ft)
	953L	01 22 10.78	103 59 39.89	4.83m (15.85ft)
	953R	01 22 10.41	103 59 41.28	4.87m (15.98ft)
	954	01 22 12.46	103 59 37.95	4.84m (15.88ft)
	954L	01 22 12.02	103 59 36.99	4.70m (15.42ft)
	954R	01 22 11.65	103 59 38.38	4.74m (15.55ft)
T4 APRON	400	01 21 38.71	103 59 40.14	4.31m (14.14ft)
	401	01 21 40.88	103 59 41.10	4.31m (14.14ft)
	402	01 21 42.85	103 59 41.89	4.30m (14.11ft)
	403	01 21 44.37	103 59 42.53	4.29m (14.07ft)
	404	01 21 45.45	103 59 42.98	4.20m (13.78ft)
	G1	01 20 07.58	103 59 00.97	3.95m (12.96ft)
	G2	01 20 06.88	103 59 01.52	3.95m (12.96ft)
	G3	01 20 10.18	103 59 02.07	3.95m (12.96ft)
	G4	01 20 11.48	103 59 02.62	3.94m (12.93ft)
	G5	01 20 12.77	103 59 03.17	3.94m (12.93ft)
	G6	01 20 14.49	103 59 03.89	3.93m (12.89ft)
	G7	01 20 15.70	103 59 04.57	3.89m (12.76ft)
	G8	01 20 17.01	103 59 05.12	3.85m (12.63ft)
	G9	01 20 18.31	103 59 05.67	3.85m (12.63ft)
	G10	01 20 19.60	103 59 06.22	3.86m (12.66ft)
	G11	01 20 20.90	103 59 06.77	3.84m (12.60ft)
	G12	01 20 22.20	103 59 07.31	3.83m (12.57ft)
	G13	01 20 23.50	103 59 07.86	3.82m (12.53ft)
	G14	01 20 24.79	103 59 08.41	3.83m (12.57ft)
	G15	01 20 26.09	103 59 08.96	3.88m (12.73ft)
WEST CARGO APRON	G16	01 20 27.39	103 59 09.50	4.05m (13.29ft)
	G17	01 20 28.69	103 59 10.05	4.00m (13.12ft)
	G18	01 20 31.53	103 59 11.86	4.36m (14.30ft)
	G18L	01 20 32.05	103 59 12.85	4.34m (14.24ft)
	G18R	01 20 31.65	103 59 11.26	4.43m (14.53ft)
	G19	01 20 32.64	103 59 09.25	4.56m (14.96ft)
	G19L	01 20 33.17	103 59 10.25	4.47m (14.67ft)
	G19R	01 20 32.77	103 59 08.66	4.56m (14.96ft)
	G20	01 20 33.75	103 59 06.65	4.52m (14.83ft)
	G20L	01 20 34.13	103 59 07.58	4.44m (14.57ft)
	G20R	01 20 33.59	103 59 06.10	4.52m (14.83ft)
	G21	01 20 34.87	103 59 04.04	4.51m (14.80ft)
	G21L	01 20 35.24	103 59 04.98	4.52m (14.83ft)
	G21R	01 20 35.10	103 59 03.49	4.55m (14.93ft)
	502	01 22 22.23	103 59 31.62	4.35m (14.27ft)
	503	01 22 24.98	103 59 32.78	4.29m (14.07ft)
	504	01 22 27.26	103 59 33.74	4.29m (14.07ft)
	505	01 22 29.54	103 59 34.70	4.32m (14.17ft)
	506	01 22 31.81	103 59 35.66	4.

AERODROME ADVISORY CHART

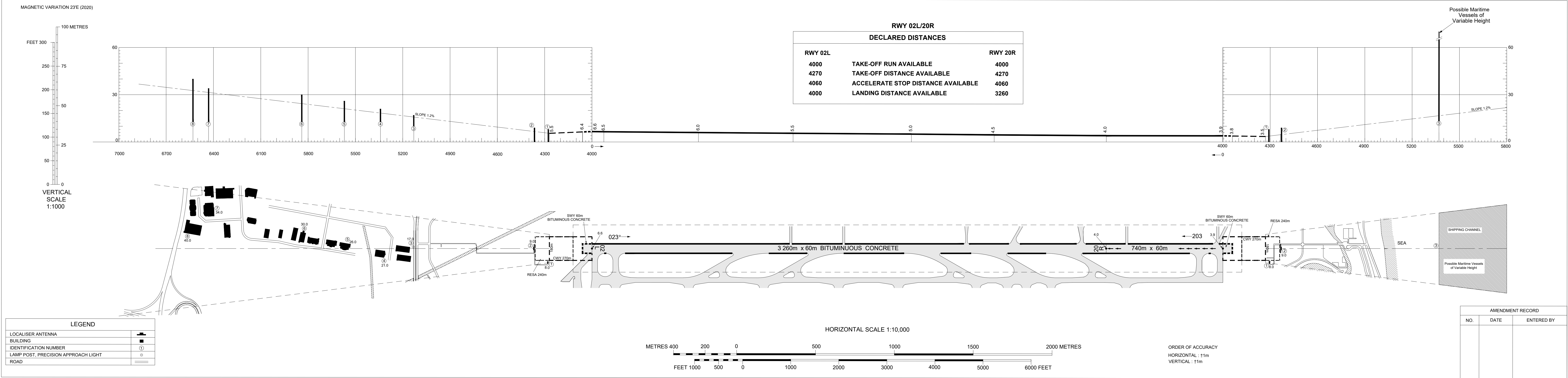


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DIMENSIONS AND ELEVATIONS IN METRES

AERODROME OBSTACLE CHART - ICAO
TYPE A (OPERATING LIMITATIONS)

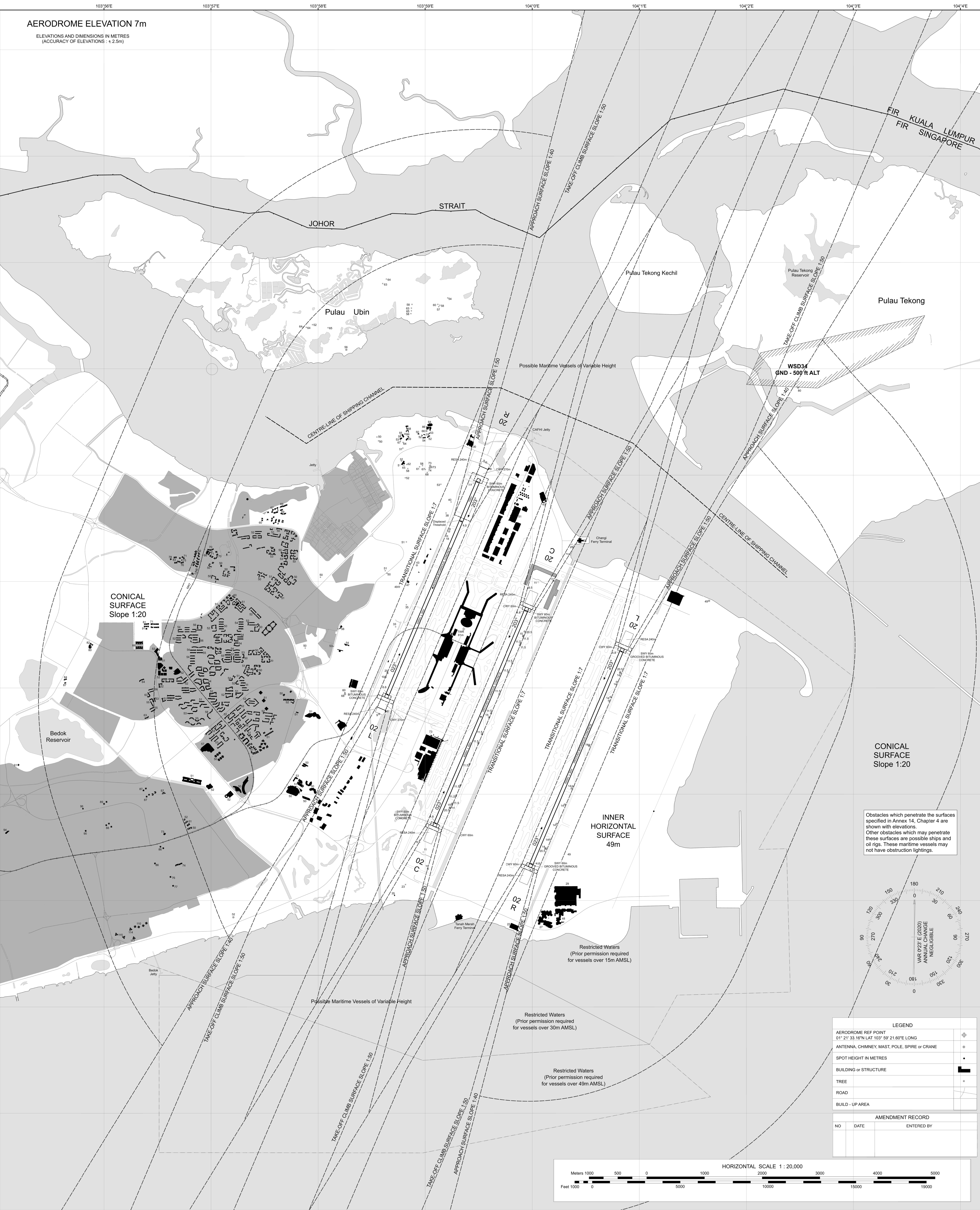
SINGAPORE/Singapore Changi



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AERODROME OBSTACLE CHART - ICAO
TYPE B

SINGAPORE / Singapore Changi



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