

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
02/2021
Effective date
22 APR 2021
Publication date
22 APR 2021

wp-AMDT-2021-02

1. Significant information and changes

1.1 Singapore Changi Airport

- a. Changes in the wind sensor used in METAR/SPECI.
- b. Operationalization of new ultrasonic wind sensors and RVR along runway 02L/20R.

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 This amendment incorporates information contained in the listed NOTAM which is hereby superseded:

NOTAM

A0952/21 dated 26/02/2021

Amended Pages

GEN 0.2-1/2:	: <i>replace.</i>
GEN 0.3-1/2:	: <i>replace.</i>
GEN 0.3-3/4:	: <i>replace.</i>
GEN 0.3-5/6:	: <i>replace.</i>
GEN 0.4-1/2:	: <i>replace.</i>
GEN 0.4-3:	: <i>replace.</i>
GEN 1.1-1/2:	: <i>replace.</i>
GEN 1.3-1/2:	: <i>replace.</i>
GEN 1.3-3/4:	: <i>replace.</i>
GEN 1.3-5:	: <i>replace.</i>
GEN 1.4-1/2:	: <i>replace.</i>
GEN 1.7-1/2:	: <i>replace.</i>
GEN 3.2-3/4:	: <i>replace.</i>
GEN 3.5-1/2:	: <i>replace.</i>
GEN 3.5-3/4:	: <i>replace.</i>
ENR-2.1-9:	: <i>replace.</i>
ENR-2.1-15:	: <i>replace.</i>
ENR-3.1/ATS Chart:	: <i>replace.</i>
ENR 3.3-13/14:	: <i>replace.</i>
ENR 3.3-29/30:	: <i>replace.</i>
ENR 3.3-33/34:	: <i>replace.</i>
ENR 3.3-35/36:	: <i>replace.</i>
ENR 4.4-3/4:	: <i>replace.</i>
ERC-6-1 En-Route Chart:	: <i>replace.</i>
AD-2-WSSS-ADC-2:	: <i>replace.</i>
AD-2-WSSS-AOC-4:	: <i>replace.</i>
AD-2-WSSS-IAC-13 to 13.1:	: <i>replace.</i>

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GEN 0.2 RECORD OF AIP AMENDMENTS*AIP AMENDMENT*

NR/Year	Publication date	Date inserted	Inserted by
5/2014	18 SEP 2014	18 SEP 2014	
6/2014	13 NOV 2014	13 NOV 2014	
1/2015	08 JAN 2015	08 JAN 2015	
2/2015	05 MAR 2015	05 MAR 2015	
3/2015	30 APR 2015	30 APR 2015	
4/2015	25 JUN 2015	25 JUN 2015	
5/2015	20 AUG 2015	20 AUG 2015	
6/2015	15 OCT 2015	15 OCT 2015	
07/2015	10 DEC 2015	10 DEC 2015	
01/2016	04 FEB 2016	04 FEB 2016	
02/2016	31 MAR 2016	31 MAR 2016	
03/2016	26 MAY 2016	26 MAY 2016	
04/2016	21 JUL 2016	21 JUL 2016	
05/2016	15 SEP 2016	15 SEP 2016	
06/2016	10 NOV 2016	10 NOV 2016	
01/2017	05 JAN 2017	05 JAN 2017	
02/2017	02 MAR 2017	02 MAR 2017	
03/2017	27 APR 2017	27 APR 2017	
04/2017	22 JUN 2017	22 JUN 2017	
05/2017	17 AUG 2017	17 AUG 2017	
06/2017	12 OCT 2017	12 OCT 2017	
07/2017	07 DEC 2017	07 DEC 2017	
01/2018	01 FEB 2018	01 FEB 2018	
02/2018	29 MAR 2018	29 MAR 2018	
03/2018	24 MAY 2018	24 MAY 2018	
04/2018	19 JUL 2018	19 JUL 2018	
05/2018	13 SEP 2018	13 SEP 2018	

AIP AMENDMENT

NR/Year	Publication date	Date inserted	Inserted by
06/2018	08 NOV 2018	08 NOV 2018	
01/2019	03 JAN 2019	03 JAN 2019	
02/2019	28 FEB 2019	28 FEB 2019	
03/2019	25 APR 2019	25 APR 2019	
04/2019	20 JUN 2019	20 JUN 2019	
05/2019	15 AUG 2019	15 AUG 2019	
06/2019	10 OCT 2019	10 OCT 2019	
07/2019	05 DEC 2019	05 DEC 2019	
01/2020	30 JAN 2020	30 JAN 2020	
02/2020	26 MAR 2020	26 MAR 2020	
03/2020	21 MAY 2020	21 MAY 2020	
04/2020	16 JUL 2020	16 JUL 2020	
05/2020	10 SEP 2020	10 SEP 2020	
06/2020	05 NOV 2020	05 NOV 2020	
07/2020	31 DEC 2020	31 DEC 2020	
01/2021	25 FEB 2021	25 FEB 2021	
02/2021	22 APR 2021	22 APR 2021	

GEN 0.3 RECORD OF CURRENT AIP SUPPLEMENTS

NR/Year	Subject	AIP section(s) affected	Period of validity (from/to)	Cancellation record
021/2018	Paya Lebar Airport - Luffer Crane and Saddle Cranes	AD	06 APR 2018 / 31 DEC 2022	
028/2018	Paya Lebar Airport - Saddle Cranes	AD	20 JUN 2018 / 31 DEC 2022	
029/2018	Paya Lebar Airport - Luffer Cranes	AD	20 JUN 2018 / 31 DEC 2021	
030/2018	Paya Lebar Airport - Luffer Crane and Topless Cranes	AD	20 JUN 2018 / 31 DEC 2021	
053/2018	Sembawang Aerodrome - Saddle Cranes	AD	25 SEP 2018 / 31 DEC 2021	
071/2018	Paya Lebar Airport - Saddle Cranes	AD	13 NOV 2018 / 31 DEC 2023	
077/2018	Paya Lebar Airport - Luffer Crane	AD	28 NOV 2018 / 18 NOV 2021	
078/2018	Paya Lebar Airport - Luffer Cranes	AD	28 NOV 2018 / 30 DEC 2022	
009/2019	Paya Lebar Airport - Luffer Cranes	AD	01 JUN 2019 / 31 MAY 2021	
030/2019	Paya Lebar Airport - Luffer Crane and Topless Cranes	AD	27 MAR 2019 / 30 JUL 2021	
031/2019	Paya Lebar Airport - Luffer Cranes	AD	27 MAR 2019 / 28 JAN 2022	
032/2019	Paya Lebar Airport - Topless Cranes	AD	27 MAR 2019 / 09 MAR 2022	
033/2019	Paya Lebar Airport - Luffer Crane	AD	27 MAR 2019 / 31 DEC 2022	
034/2019	Paya Lebar Airport - Saddle Cranes	AD	27 MAR 2019 / 31 DEC 2022	
035/2019	Paya Lebar Airport - Luffer Crane	AD	27 MAR 2019 / 31 DEC 2022	
051/2019	Paya Lebar Airport - Luffer Crane	AD	07 MAY 2019 / 22 APR 2021	
053/2019	Paya Lebar Airport - Saddle Cranes and Luffer Crane	AD	07 MAY 2019 / 31 DEC 2023	
055/2019	Paya Lebar Airport - Topless Cranes	AD	07 MAY 2019 / 25 APR 2021	
060/2019	Paya Lebar Airport - Topless Crane	AD	06 JUN 2019 / 14 NOV 2021	
066/2019	Paya Lebar Airport - Luffing Crane	AD	04 JUL 2019 / 16 JUN 2021	
067/2019	Paya Lebar Airport - Topless Cranes	AD	04 JUL 2019 / 30 JUN 2021	
068/2019	Paya Lebar Airport - Luffing Crane	AD	04 JUL 2019 / 30 DEC 2021	
073/2019	Paya Lebar Airport - Luffer Cranes	AD	19 AUG 2019 / 31 DEC 2021	
075/2019	Paya Lebar Airport - Luffing Crane	AD	19 AUG 2019 / 31 DEC 2021	
091/2019	Paya Lebar Airport - Cranes	AD	10 SEP 2019 / 30 DEC 2021	
126/2019	Paya Lebar Airport - Luffer Cranes	AD	12 NOV 2019 / 31 DEC 2022	
004/2020	Paya Lebar Airport - Mobile Cranes	AD	08 JAN 2020 / 20 JUN 2021	
009/2020	Paya Lebar Airport - Topless Cranes	AD	11 FEB 2020 / 30 APR 2021	

NR/Year	Subject	AIP section(s) affected	Period of validity (from/to)	Cancellation record
021/2020	Singapore Changi Airport - Long term closure of aircraft stand E5 at Terminal 2, Singapore Changi Airport	AD	30 MAR 2020 / 30 DEC 2024	
025/2020	Paya Lebar Airport - Luffing Cranes	AD	10 MAR 2020 / 31 DEC 2021	
033/2020	Paya Lebar Airport - Cranes	AD	19 MAY 2020 / 31 DEC 2021	
034/2020	Paya Lebar Airport - Cranes	AD	19 MAY 2020 / 31 DEC 2021	
035/2020	Paya Lebar Airport - Luffing Crane	AD	19 MAY 2020 / 30 DEC 2021	
042/2020	Paya Lebar Airport - Crawler Crane	AD	12 JUN 2020 / 05 MAY 2021	
043/2020	Paya Lebar Airport - Topless Cranes	AD	12 JUN 2020 / 31 MAY 2021	
044/2020	Paya Lebar Airport - Obstacles	AD	12 JUN 2020 / 31 DEC 2021	
045/2020	Paya Lebar Airport - Topless Cranes	AD	12 JUN 2020 / 01 MAY 2021	
048/2020	Paya Lebar Airport - Topless Cranes	AD	31 JUL 2020 / 01 AUG 2021	
049/2020	Paya Lebar Airport - Cranes	AD	12 JUN 2020 / 15 MAY 2021	
050/2020	Paya Lebar Airport - Mobile Crane	AD	12 JUN 2020 / 30 APR 2021	
052/2020	Paya Lebar Airport - Crawler Crane	AD	12 JUN 2020 / 31 DEC 2021	
053/2020	Sembawang Aerodrome - Saddle Cranes	AD	15 JUN 2020 / 30 DEC 2021	
056/2020	Paya Lebar Airport - Flat Top Cranes	AD	16 JUL 2020 / 30 DEC 2021	
057/2020	Paya Lebar Airport - Flat Top Cranes	AD	16 JUL 2020 / 30 DEC 2021	
058/2020	Sembawang Aerodrome - Mobile Crane	AD	16 JUL 2020 / 24 JUN 2021	
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	
060/2020	Paya Lebar Airport - Topless Cranes	AD	06 AUG 2020 / 30 JUN 2021	
061/2020	Paya Lebar Airport - Luffer Cranes	AD	06 AUG 2020 / 26 JUL 2021	
062/2020	Paya Lebar Airport - Topless Cranes	AD	06 AUG 2020 / 31 MAY 2021	
063/2020	Paya Lebar Airport - Cranes	AD	06 AUG 2020 / 19 JUN 2021	
065/2020	Paya Lebar Airport - Cranes	AD	06 AUG 2020 / 31 DEC 2021	
066/2020	Paya Lebar Airport - Topless Cranes	AD	06 AUG 2020 / 31 DEC 2021	
067/2020	Paya Lebar Airport - Luffing Cranes	AD	06 AUG 2020 / 01 AUG 2021	
068/2020	Paya Lebar Airport - Topless Cranes	AD	17 SEP 2020 / 01 SEP 2021	
069/2020	Paya Lebar Airport - Mobile Crane	AD	17 SEP 2020 / 27 AUG 2021	
070/2020	Paya Lebar Airport - Mobile Crane	AD	17 SEP 2020 / 27 AUG 2021	
071/2020	Paya Lebar Airport - Topless Cranes	AD	17 SEP 2020 / 29 AUG 2021	

NR/Year	Subject	AIP section(s) affected	Period of validity (from/to)	Cancellation record
072/2020	Paya Lebar Airport - Luffing Cranes	AD	17 SEP 2020 / 29 AUG 2021	
073/2020	Paya Lebar Airport - Cranes	AD	17 SEP 2020 / 01 JUN 2021	
074/2020	Paya Lebar Airport - Luffer Cranes	AD	17 SEP 2020 / 29 AUG 2021	
075/2020	Paya Lebar Airport - Mobile Crane	AD	17 SEP 2020 / 01 NOV 2021	
076/2020	Paya Lebar Airport - Topless Crane	AD	17 SEP 2020 / 01 SEP 2021	
078/2020	Paya Lebar Airport - Luffer Crane	AD	17 SEP 2020 / 06 AUG 2021	
079/2020	Paya Lebar Airport - Luffer Cranes	AD	17 SEP 2020 / 06 AUG 2021	
080/2020	Paya Lebar Airport - Mobile Crane	AD	17 SEP 2020 / 30 JUN 2021	
081/2020	Paya Lebar Airport - Luffing Cranes	AD	17 SEP 2020 / 30 DEC 2021	
083/2020	Paya Lebar Airport - Cranes	AD	17 SEP 2020 / 09 DEC 2021	
086/2020	Paya Lebar Airport - Cranes	AD	08 OCT 2020 / 20 DEC 2021	
087/2020	Paya Lebar Airport - Topless Cranes	AD	08 OCT 2020 / 01 MAY 2021	
088/2020	Paya Lebar Airport - Mobile Cranes	AD	08 OCT 2020 / 01 JUL 2021	
089/2020	Paya Lebar Airport - Luffing Crane	AD	08 OCT 2020 / 31 DEC 2021	
090/2020	Paya Lebar Airport - Topless Cranes	AD	08 OCT 2020 / 01 OCT 2021	
091/2020	Paya Lebar Airport - Luffing Crane	AD	08 OCT 2020 / 31 DEC 2021	
092/2020	Paya Lebar Airport - Luffer Cranes	AD	08 OCT 2020 / 31 DEC 2021	
093/2020	Paya Lebar Airport - Mobile Cranes	AD	08 OCT 2020 / 01 NOV 2021	
094/2020	Paya Lebar Airport - Luffing Cranes	AD	08 OCT 2020 / 01 OCT 2021	
095/2020	Paya Lebar Airport - Flat Top Cranes	AD	02 NOV 2020 / 31 DEC 2021	
096/2020	Paya Lebar Airport - Luffing Cranes	AD	08 OCT 2020 / 14 SEP 2021	
097/2020	Paya Lebar Airport - Saddle Cranes	AD	08 OCT 2020 / 31 DEC 2021	
098/2020	Paya Lebar Airport - Topless Crane	AD	08 OCT 2020 / 01 OCT 2021	
099/2020	Paya Lebar Airport - Mobile Crane	AD	08 OCT 2020 / 01 JUL 2021	
100/2020	Singapore Changi Airport - Partial closure of taxiway R1 and temporary revision/removal of ground markings at taxiway R1 at Terminal 2	AD	18 NOV 2020 / 12 MAY 2021	
102/2020	Singapore Changi Airport - Closure of runway 02C/20C due to Changi East development works	AD	03 DEC 2020 / 19 MAY 2021	
103/2020	Paya Lebar Airport - Mobile Crane	AD	12 NOV 2020 / 01 JUL 2021	
104/2020	Paya Lebar Airport - Crawler Tower Crane	AD	12 NOV 2020 / 01 JAN 2022	

NR/Year	Subject	AIP section(s) affected	Period of validity (from/to)	Cancellation record
106/2020	Paya Lebar Airport - Cranes	AD	12 NOV 2020 / 01 DEC 2021	
107/2020	Paya Lebar Airport - Luffing Crane	AD	12 NOV 2020 / 31 DEC 2021	
108/2020	Paya Lebar Airport - Flat Top Cranes	AD	12 NOV 2020 / 01 JUL 2021	
109/2020	Paya Lebar Airport - Tower Crane	AD	12 NOV 2020 / 24 OCT 2021	
110/2020	Paya Lebar Airport - Tower Cranes	AD	12 NOV 2020 / 01 JUL 2021	
111/2020	Paya Lebar Airport - Topless Cranes	AD	12 NOV 2020 / 19 OCT 2021	
112/2020	Paya Lebar Airport - Luffer Cranes	AD	12 NOV 2020 / 31 DEC 2021	
113/2020	Paya Lebar Airport - Cranes	AD	12 NOV 2020 / 31 DEC 2021	
115/2020	Sembawang Aerodrome - Mobile Crane	AD	12 NOV 2020 / 13 SEP 2021	
117/2020	Paya Lebar Airport - Cranes	AD	08 DEC 2020 / 18 NOV 2021	
118/2020	Paya Lebar Airport - Crawler Crane	AD	08 DEC 2020 / 01 JUN 2021	
119/2020	Paya Lebar Airport - Luffing Cranes	AD	08 DEC 2020 / 31 OCT 2021	
120/2020	Paya Lebar Airport - Mobile Crane	AD	08 DEC 2020 / 01 JUN 2021	
121/2020	Paya Lebar Airport - Mobile Crane	AD	08 DEC 2020 / 01 JUN 2021	
122/2020	Paya Lebar Airport - Cranes	AD	08 DEC 2020 / 31 DEC 2021	
123/2020	Paya Lebar Airport - Luffer Cranes	AD	08 DEC 2020 / 01 DEC 2021	
001/2021	Singapore Changi Airport - Closure of taxiway L9 and taxiway EP between taxiway L8 and L11	AD	31 JAN 2021 / 19 MAY 2021	
002/2021	Paya Lebar Airport - Cranes	AD	14 JAN 2021 / 01 FEB 2022	
003/2021	Paya Lebar Airport - Topless Cranes	AD	14 JAN 2021 / 01 FEB 2022	
004/2021	Paya Lebar Airport - Mobile Crane	AD	14 JAN 2021 / 01 JAN 2022	
005/2021	Paya Lebar Airport - Topless Cranes	AD	14 JAN 2021 / 01 FEB 2022	
006/2021	Paya Lebar Airport - Cranes	AD	14 JAN 2021 / 01 JAN 2022	
007/2021	Paya Lebar Airport - Mobile Cranes	AD	14 JAN 2021 / 01 JUL 2021	
008/2021	Paya Lebar Airport - Crawler Tower Cranes	AD	14 JAN 2021 / 01 JAN 2022	
009/2021	Paya Lebar Airport - Mobile Crane	AD	14 JAN 2021 / 01 JUL 2021	
010/2021	Paya Lebar Airport - Luffing Cranes	AD	14 JAN 2021 / 15 DEC 2021	
011/2021	Paya Lebar Airport - Cranes	AD	14 JAN 2021 / 31 DEC 2021	
012/2021	Paya Lebar Airport - Flat Top Cranes	AD	14 JAN 2021 / 31 DEC 2021	
013/2021	Paya Lebar Airport - Luffing Crane	AD	14 JAN 2021 / 31 DEC 2021	

NR/Year	Subject	AIP section(s) affected	Period of validity (from/to)	Cancellation record
014/2021	Paya Lebar Airport - Mobile Crane	AD	14 JAN 2021 / 01 JUN 2021	
015/2021	Paya Lebar Airport - Cranes	AD	14 JAN 2021 / 01 NOV 2021	
016/2021	Paya Lebar Airport - Luffing Tower Crane	AD	14 JAN 2021 / 24 DEC 2021	
017/2021	Paya Lebar Airport - Crawler Crane	AD	14 JAN 2021 / 06 JUN 2021	
018/2021	Paya Lebar Airport - Flat Top Cranes	AD	14 JAN 2021 / 01 JAN 2022	
019/2021	Paya Lebar Airport - Cranes	AD	14 JAN 2021 / 31 DEC 2021	
021/2021	Paya Lebar Airport - Cranes	AD	08 FEB 2021 / 01 FEB 2022	
022/2021	Paya Lebar Airport - Mobile Cranes	AD	08 FEB 2021 / 15 NOV 2021	
023/2021	Paya Lebar Airport - Tower Cranes	AD	08 FEB 2021 / 19 JAN 2022	
024/2021	Paya Lebar Airport - Mobile Cranes	AD	08 FEB 2021 / 01 OCT 2021	
025/2021	Paya Lebar Airport - Tower Crane	AD	08 FEB 2021 / 15 JAN 2022	
026/2021	Paya Lebar Airport - Topless Cranes	AD	08 FEB 2021 / 01 MAR 2022	
027/2021	Paya Lebar Airport - Mobile Crane	AD	08 FEB 2021 / 01 JAN 2022	
028/2021	Paya Lebar Airport - Topless Cranes	AD	08 FEB 2021 / 01 DEC 2021	
029/2021	Paya Lebar Airport - Mobile Crane	AD	08 FEB 2021 / 12 JUL 2021	
030/2021	Paya Lebar Airport - Topless Cranes	AD	08 FEB 2021 / 01 JUL 2021	
031/2021	Paya Lebar Airport - Luffing Tower Crane	AD	08 FEB 2021 / 09 JAN 2022	
032/2021	Paya Lebar Airport - Mobile Crane	AD	08 FEB 2021 / 12 JUL 2021	
033/2021	Paya Lebar Airport - Mobile Crane	AD	08 FEB 2021 / 12 JUL 2021	
034/2021	Paya Lebar Airport - Cranes	AD	08 FEB 2021 / 01 FEB 2022	
035/2021	Paya Lebar Airport - Cranes	AD	08 FEB 2021 / 01 FEB 2022	
036/2021	Paya Lebar Airport - Saddle Crane	AD	08 FEB 2021 / 01 FEB 2022	
037/2021	Sembawang Aerodrome - Crawler Crane	AD	08 FEB 2021 / 31 DEC 2021	
038/2021	Singapore Changi Airport - Closure of aircraft stand F50 at Terminal 2, Singapore Changi Airport	AD	14 MAR 2021 / 31 AUG 2021	
039/2021	Seletar Airport - Closure of Helicopter Landing Area	AD	18 MAR 2021 / 30 SEP 2021	
040/2021	Paya Lebar Airport - Luffing Cranes	AD	08 MAR 2021 / 01 MAR 2022	
041/2021	Paya Lebar Airport - Mobile Crane	AD	08 MAR 2021 / 01 MAR 2022	
042/2021	Paya Lebar Airport - Cranes	AD	08 MAR 2021 / 01 MAR 2022	
043/2021	Paya Lebar Airport - Luffing Crane	AD	08 MAR 2021 / 01 MAR 2022	

NR/Year	Subject	AIP section(s) affected	Period of validity (from/to)	Cancellation record
044/2021	Paya Lebar Airport - Mobile Crane	AD	08 MAR 2021 / 01 JUL 2021	
045/2021	Paya Lebar Airport - Topless Cranes	AD	08 MAR 2021 / 03 FEB 2022	
046/2021	Paya Lebar Airport - Topless Cranes	AD	08 MAR 2021 / 25 JAN 2022	
048/2021	Singapore Changi Airport - Closure of aircraft stand F60 at Terminal 2	AD	10 APR 2021 / 19 JUL 2021	
049/2021	Singapore Changi Airport - Closure of runway 02C/20C and taxiways due to Changi East development works	AD	20 MAY 2021 / 03 NOV 2021	
050/2021	Paya Lebar Airport - Mobile Cranes	AD	08 APR 2021 / 21 JUN 2022	
051/2021	Paya Lebar Airport - Mobile Crane	AD	08 APR 2021 / 01 OCT 2021	
052/2021	Paya Lebar Airport - Luffing Tower Crane	AD	08 APR 2021 / 01 FEB 2022	
053/2021	Paya Lebar Airport - Luffing Crane	AD	08 APR 2021 / 01 SEP 2021	
054/2021	Paya Lebar Airport - Luffing Cranes	AD	08 APR 2021 / 15 MAR 2022	
055/2021	Paya Lebar Airport - Mobile Crane	AD	08 APR 2021 / 15 MAR 2022	
056/2021	Paya Lebar Airport - Tower Cranes	AD	08 APR 2021 / 01 APR 2022	
057/2021	Paya Lebar Airport - Topless Cranes	AD	08 APR 2021 / 10 MAR 2022	
058/2021	Paya Lebar Airport - Mobile Crane	AD	08 APR 2021 / 08 JUL 2021	
059/2021	Singapore Changi Airport - Re-Designation of taxiways and taxilanes (Phase 4 - Final phase)	AD	20 MAY 2021 PERM	
060/2021	Singapore Changi Airport - Closure of aircraft stand F34 at Terminal 2	AD	25 MAY 2021 / 29 NOV 2021	
061/2021	Singapore Changi Airport - Partial closure of taxilane R3, temporary changes to ground markings and lighting, and temporary downgrade of taxilane R2 at Terminal 2	AD	25 MAY 2021 / 29 NOV 2021	

GEN 0.4 CHECKLIST OF AIP PAGES

Part 1 – General (GEN)					
GEN 0		GEN 3.2-1	10 OCT 2019	ENR 1.6-6	31 DEC 2020
GEN 0.1-1	26 MAR 2020	GEN 3.2-2	31 MAR 2016	ENR 1.6-7	29 MAR 2018
GEN 0.1-2	25 FEB 2021	GEN 3.2-3	31 MAR 2016	ENR 1.6-8	29 MAR 2018
GEN-0.1-3	08 NOV 2018	GEN 3.2-4	22 APR 2021	ENR-1.6-9	21 JUL 2016
GEN 0.2-1	13 SEP 2018	GEN 3.2-5	31 DEC 2020	ENR-1.6-11	21 JUL 2016
GEN 0.2-2	22 APR 2021	GEN 3.2-6	31 MAR 2016	ENR 1.7-1	15 AUG 2019
GEN 0.3-1	22 APR 2021	GEN 3.3-1	31 DEC 2020	ENR 1.7-2	15 AUG 2019
GEN 0.3-2	22 APR 2021	GEN 3.3-2	05 NOV 2020	ENR 1.7-3	15 AUG 2019
GEN 0.3-3	22 APR 2021	GEN 3.4-1	12 NOV 2015	ENR 1.7-4	15 AUG 2019
GEN 0.3-4	22 APR 2021	GEN 3.4-2	10 SEP 2020	ENR 1.7-5	15 AUG 2019
GEN 0.3-5	22 APR 2021	GEN 3.4-3	10 SEP 2020	ENR 1.7-6	15 AUG 2019
GEN 0.3-6	22 APR 2021	GEN 3.4-4	10 SEP 2020	ENR 1.7-7	15 AUG 2019
GEN 0.4-1	22 APR 2021	GEN 3.4-5	12 NOV 2015	ENR 1.8-1	10 OCT 2019
GEN 0.4-2	22 APR 2021	GEN-3.4-7	10 SEP 2020	ENR 1.8-2	15 AUG 2019
GEN 0.4-3	22 APR 2021	GEN-3.4-9	21 JUL 2016	ENR 1.8-3	15 AUG 2019
GEN 0.5-1	30 JAN 2020	GEN 3.5-1	25 APR 2019	ENR 1.8-4	15 AUG 2019
GEN 0.6-1	05 NOV 2020	GEN 3.5-2	22 APR 2021	ENR 1.8-5	15 AUG 2019
GEN 0.6-2	05 NOV 2020	GEN 3.5-3	22 APR 2021	ENR 1.8-6	15 AUG 2019
GEN 0.6-3	31 DEC 2020	GEN 3.5-4	22 APR 2021	ENR 1.8-7	29 MAR 2018
GEN 1		GEN 3.5-5	31 DEC 2020	ENR 1.8-8	29 MAR 2018
GEN 1.1-1	05 DEC 2019	GEN 3.5-6	31 DEC 2020	ENR 1.8-9	29 MAR 2018
GEN 1.1-2	22 APR 2021	GEN 3.5-7	31 DEC 2020	ENR 1.8-10	29 MAR 2018
GEN 1.2-1	05 NOV 2020	GEN 3.5-8	31 DEC 2020	ENR 1.8-11	29 MAR 2018
GEN 1.2-2	30 JAN 2020	GEN 3.5-9	08 NOV 2018	ENR 1.8-12	15 AUG 2019
GEN 1.2-3	30 JAN 2020	GEN 3.6-1	12 NOV 2015	ENR 1.8-13	15 AUG 2019
GEN 1.2-4	21 MAY 2020	GEN 3.6-2	12 NOV 2015	ENR 1.8-14	15 AUG 2019
GEN 1.2-5	30 JAN 2020	GEN 3.6-3	12 NOV 2015	ENR 1.8-15	15 AUG 2019
GEN 1.2-6	16 JUL 2020	GEN 3.6-4	12 NOV 2015	ENR 1.8-16	15 AUG 2019
GEN 1.2-7	30 JAN 2020	GEN-3.6-5	21 JUL 2016	ENR 1.8-17	15 AUG 2019
GEN 1.3-1	25 APR 2019	GEN 4		ENR 1.8-18	15 AUG 2019
GEN 1.3-2	22 APR 2021	GEN 4.1-1	15 SEP 2016	ENR 1.8-19	15 AUG 2019
GEN 1.3-3	22 APR 2021	GEN 4.2-1	24 MAY 2018	ENR 1.8-20	15 AUG 2019
GEN 1.3-4	22 APR 2021	GEN 4.2-2	12 NOV 2015	ENR 1.8-21	15 AUG 2019
GEN 1.3-5	22 APR 2021	GEN 4.2-3	12 NOV 2015	ENR 1.8-22	15 AUG 2019
GEN-1.3/ARR PAX FLOW	25 APR 2019	GEN 4.2-4	12 NOV 2015	ENR 1.8-23	15 AUG 2019
GEN-1.3/DEP PAX FLOW 1	25 APR 2019	GEN 4.2-5	12 NOV 2015	ENR 1.8-24	15 AUG 2019
GEN-1.3/DEP PAX FLOW 2	25 APR 2019	GEN 4.2-6	12 NOV 2015	ENR 1.8-25	05 DEC 2019
GEN 1.4-1	22 APR 2021	Part 2 – EN-ROUTE (ENR)		ENR 1.8-26	15 AUG 2019
GEN 1.4-2	05 NOV 2020	ENR 0		ENR 1.8-27	15 AUG 2019
GEN 1.4-3	05 NOV 2020	ENR 0.6-1	31 DEC 2020	ENR 1.8-28	15 AUG 2019
GEN 1.5-1	12 NOV 2015	ENR 0.6-2	31 DEC 2020	ENR 1.8-29	15 AUG 2019
GEN 1.6-1	26 MAR 2020	ENR 0.6-3	15 AUG 2019	ENR 1.9-1	30 JAN 2020
GEN 1.6-2	25 FEB 2021	ENR 0.6-4	30 JAN 2020	ENR 1.9-2	30 JAN 2020
GEN 1.6-3	05 NOV 2020	ENR 0.6-5	30 JAN 2020	ENR 1.9-3	10 SEP 2020
GEN 1.6-4	05 NOV 2020	ENR 0.6-6	26 MAR 2020	ENR 1.9-4	10 SEP 2020
GEN 1.7-1	31 DEC 2020	ENR 1		ENR 1.9-5	10 SEP 2020
GEN 1.7-2	22 APR 2021	ENR 1.1-1	25 APR 2019	ENR 1.9-6	30 JAN 2020
GEN 1.7-3	31 DEC 2020	ENR 1.1-2	12 NOV 2015	ENR 1.10-1	25 FEB 2021
GEN 1.7-4	26 MAR 2020	ENR 1.1-3	12 NOV 2015	ENR 1.10-2	25 FEB 2021
GEN 2		ENR 1.1-4	12 NOV 2015	ENR 1.10-3	25 FEB 2021
GEN 2.1-1	12 NOV 2015	ENR 1.1-5	12 NOV 2015	ENR 1.11-1	16 JUL 2020
GEN 2.1-2	05 NOV 2020	ENR 1.1-6	12 NOV 2015	ENR 1.12-1	12 NOV 2015
GEN 2.2-1	02 MAR 2017	ENR 1.1-7	12 NOV 2015	ENR 1.12-2	12 NOV 2015
GEN 2.2-2	02 MAR 2017	ENR 1.1-8	12 NOV 2015	ENR 1.12-3	12 NOV 2015
GEN 2.2-3	02 MAR 2017	ENR 1.1-9	12 NOV 2015	ENR 1.12-4	12 NOV 2015
GEN 2.2-4	05 JAN 2017	ENR 1.1-10	08 NOV 2018	ENR 1.13-1	12 NOV 2015
GEN 2.2-5	10 NOV 2016	ENR 1.1-11	08 NOV 2018	ENR 1.14-1	10 DEC 2015
GEN 2.3-1	12 NOV 2015	ENR 1.1-12	08 NOV 2018	ENR 1.14-2	15 SEP 2016
GEN 2.3-2	12 NOV 2015	ENR 1.1-13	08 NOV 2018	ENR-1.14-3 to ENR-1.14-4	15 SEP 2016
GEN 2.3-3	12 NOV 2015	ENR 1.1-14	08 NOV 2018	ENR-1.14-5 to ENR-1.14-6	15 SEP 2016
GEN 2.4-1	25 APR 2019	ENR 1.1-15	08 NOV 2018	ENR-1.14-7 to ENR-1.14-8	15 AUG 2019
GEN 2.5-1	28 FEB 2019	ENR 1.2-1	21 JUL 2016	ENR 2	
GEN-2.5-3	21 JUL 2016	ENR 1.3-1	12 NOV 2015	ENR 2.1-1	03 JAN 2019
GEN 2.6-1	12 NOV 2015	ENR 1.4-1	12 NOV 2015	ENR 2.1-2	03 JAN 2019
GEN 2.6-2	12 NOV 2015	ENR 1.5-1	31 DEC 2020	ENR 2.1-3	03 JAN 2019
GEN 2.7-1	05 DEC 2019	ENR 1.5-2	31 DEC 2020	ENR 2.1-4	25 APR 2019
GEN 3		ENR 1.5-3	31 DEC 2020	ENR-2.1-7	21 JUL 2016
GEN 3.1-1	10 SEP 2020	ENR 1.5-4	31 DEC 2020	ENR-2.1-9	22 APR 2021
GEN 3.1-2	10 OCT 2019	ENR 1.6-1	12 NOV 2015	ENR-2.1-11A	21 JUL 2016
GEN 3.1-3	10 SEP 2020	ENR 1.6-2	12 NOV 2015	ENR-2.1-11B	21 JUL 2016
GEN 3.1-4	10 SEP 2020	ENR 1.6-3	12 NOV 2015	ENR-2.1-13	21 JUL 2016
		ENR 1.6-4	25 FEB 2021	ENR-2.1-15	22 APR 2021
		ENR 1.6-5	31 DEC 2020	ENR 3	
				ENR 3.1-1	02 MAR 2017
				ENR 3.1-2	02 MAR 2017

ENR 3.1-3	28 FEB 2019	ENR 4.1-1	02 MAR 2017	AD 2.WSSS-25	31 DEC 2020
ENR 3.1-4	10 NOV 2016	ENR 4.1-2	02 MAR 2017	AD 2.WSSS-26	31 DEC 2020
ENR 3.1-5	12 NOV 2015	ENR 4.3-1	12 NOV 2015	AD 2.WSSS-27	31 DEC 2020
ENR 3.1-6	02 MAR 2017	ENR 4.4-1	19 JUL 2018	AD 2.WSSS-28	31 DEC 2020
ENR 3.1-7	05 DEC 2019	ENR 4.4-2	19 JUL 2018	AD 2.WSSS-29	31 DEC 2020
ENR 3.1-8	10 NOV 2016	ENR 4.4-3	22 APR 2021	AD 2.WSSS-30	31 DEC 2020
ENR 3.1-9	12 NOV 2015	ENR 4.4-4	22 APR 2021	AD 2.WSSS-31	25 FEB 2021
ENR 3.1-10	02 MAR 2017	ENR 4.4-5	10 SEP 2020	AD 2.WSSS-32	31 DEC 2020
ENR 3.1-11	02 MAR 2017	ENR 4.4-6	10 SEP 2020	AD 2.WSSS-33	31 DEC 2020
ENR 3.1-12	10 NOV 2016	ENR 4.5-1	10 SEP 2020	AD 2.WSSS-34	31 DEC 2020
ENR 3.1-13	19 JUL 2018			AD 2.WSSS-35	31 DEC 2020
ENR 3.1-14	02 MAR 2017			AD 2.WSSS-36	31 DEC 2020
ENR 3.1-15	12 NOV 2015			AD 2.WSSS-37	31 DEC 2020
ENR 3.1-16	02 MAR 2017	ENR 5.1-1	30 JAN 2020	AD 2.WSSS-38	31 DEC 2020
ENR 3.1-17	12 NOV 2015	ENR 5.1-2	30 JAN 2020	AD 2.WSSS-39	31 DEC 2020
ENR 3.1-18	02 MAR 2017	ENR 5.1-3	10 OCT 2019	AD 2.WSSS-40	31 DEC 2020
ENR 3.1-19	02 MAR 2017	ENR 5.1-4	10 OCT 2019	AD 2.WSSS-41	31 DEC 2020
ENR 3.1-20	12 NOV 2015	ENR 5.1-5	10 OCT 2019	AD 2.WSSS-42	31 DEC 2020
ENR-3.1/ATS Chart	22 APR 2021	ENR-5.1-7	30 JAN 2020	AD 2.WSSS-43	31 DEC 2020
ENR 3.3-1	07 DEC 2017	ENR-5.1-9	30 JAN 2020	AD 2.WSSS-44	31 DEC 2020
ENR 3.3-2	02 MAR 2017	ENR 5.2-1	03 JAN 2019	AD 2.WSSS-45	31 DEC 2020
ENR 3.3-3	19 JUL 2018	ENR 5.2-2	03 JAN 2019	AD 2.WSSS-46	31 DEC 2020
ENR 3.3-4	12 NOV 2015	ENR 5.2-3	03 JAN 2019	AD-2-WSSS-ADC-1	31 DEC 2020
ENR 3.3-5	12 NOV 2015	ENR 5.3-1	10 SEP 2020	AD-2-WSSS-ADC-2	22 APR 2021
ENR 3.3-6	22 JUN 2017	ENR 5.4-1	12 NOV 2015	AD-2-WSSS-ADC-3	25 FEB 2021
ENR 3.3-7	10 OCT 2019	ENR 5.5-1	03 JAN 2019	AD-2-WSSS-AOC-1	16 JUL 2020
ENR 3.3-8	02 MAR 2017	ENR 5.6-1	21 MAY 2020	AD-2-WSSS-AOC-2	31 DEC 2020
ENR 3.3-9	07 DEC 2017	ENR 5.6-2	12 NOV 2015	AD-2-WSSS-AOC-3	31 DEC 2020
ENR 3.3-10	07 DEC 2017			AD-2-WSSS-AOC-4	22 APR 2021
ENR 3.3-11	29 MAR 2018			AD-2-WSSS-PATC-1	10 OCT 2019
ENR 3.3-12	25 FEB 2021	ENR 6-1	15 SEP 2016	AD-2-WSSS-PATC-2	01 FEB 2018
ENR 3.3-13	07 DEC 2017	ERC-6-1 En-Route Chart	22 APR 2021	AD-2-WSSS-PATC-3	31 DEC 2020
ENR 3.3-14	22 APR 2021	WAC-2860-Singapore-Island	30 JAN 2020	AD-2-WSSS-PATC-4	31 DEC 2020
ENR 3.3-15	07 DEC 2017			AD-2-WSSS-SID-1 to 1.1	31 DEC 2020
ENR 3.3-16	07 DEC 2017			AD-2-WSSS-SID-2 to 2.1	31 DEC 2020
ENR 3.3-17	07 DEC 2017			AD-2-WSSS-SID-3 to 3.1	31 DEC 2020
ENR 3.3-18	07 DEC 2017	AD 0.6-1	31 DEC 2020	AD-2-WSSS-SID-4 to 4.1	31 DEC 2020
ENR 3.3-19	19 JUL 2018	AD 0.6-2	31 DEC 2020	AD-2-WSSS-SID-5 to 5.1	31 DEC 2020
ENR 3.3-20	07 DEC 2017	AD 0.6-3	31 DEC 2020	AD-2-WSSS-SID-6 to 6.1	31 DEC 2020
ENR 3.3-21	19 JUL 2018	AD 0.6-4	16 JUL 2020	AD-2-WSSS-SID-7 to 7.1	31 DEC 2020
ENR 3.3-22	19 JUL 2018	AD 0.6-5	16 JUL 2020	AD-2-WSSS-SID-8 to 8.1	31 DEC 2020
ENR 3.3-23	07 DEC 2017	AD 0.6-6	19 JUL 2018	AD-2-WSSS-SID-9 to 9.1	31 DEC 2020
ENR 3.3-24	25 FEB 2021	AD 0.6-7	19 JUL 2018	AD-2-WSSS-SID-10 to 10.1	31 DEC 2020
ENR 3.3-25	07 DEC 2017			AD-2-WSSS-SID-11 to 11.1	31 DEC 2020
ENR 3.3-26	07 DEC 2017			AD-2-WSSS-SID-12 to 12.1	31 DEC 2020
ENR 3.3-27	07 DEC 2017	AD 1.1-1	12 NOV 2015	AD-2-WSSS-SID-13 to 13.1	31 DEC 2020
ENR 3.3-28	07 DEC 2017	AD 1.1-2	12 NOV 2015	AD-2-WSSS-SID-14 to 14.1	31 DEC 2020
ENR 3.3-29	19 JUL 2018	AD 1.1-3	15 AUG 2019	AD-2-WSSS-SID-15 to 15.1	31 DEC 2020
ENR 3.3-30	22 APR 2021	AD 1.1-4	15 AUG 2019	AD-2-WSSS-SID-16 to 16.1	31 DEC 2020
ENR 3.3-31	07 DEC 2017	AD 1.2-1	12 NOV 2015	AD-2-WSSS-SID-17 to 17.1	31 DEC 2020
ENR 3.3-32	07 DEC 2017	AD 1.3-1	12 NOV 2015	AD-2-WSSS-SID-18 to 18.1	31 DEC 2020
ENR 3.3-33	22 APR 2021	AD-1.3-3	21 JUL 2016	AD-2-WSSS-SID-19 to 19.1	31 DEC 2020
ENR 3.3-34	07 DEC 2017	AD 1.4-1	12 NOV 2015	AD-2-WSSS-STAR-1 to 1.1	31 DEC 2020
ENR 3.3-35	22 APR 2021	AD 1.5-1	10 SEP 2020	AD-2-WSSS-STAR-2 to 2.1	31 DEC 2020
ENR 3.3-36	07 DEC 2017			AD-2-WSSS-STAR-3 to 3.1	31 DEC 2020
ENR 3.3-37	07 DEC 2017			AD-2-WSSS-STAR-4 to 4.1	31 DEC 2020
ENR 3.3-38	07 DEC 2017	AD 2.WSSS-1	31 DEC 2020	AD-2-WSSS-STAR-5 to 5.1	31 DEC 2020
ENR 3.3-39	07 DEC 2017	AD 2.WSSS-2	31 DEC 2020	AD-2-WSSS-STAR-6 to 6.1	31 DEC 2020
ENR 3.3-40	07 DEC 2017	AD 2.WSSS-3	31 DEC 2020	AD-2-WSSS-STAR-7 to 7.1	31 DEC 2020
ENR 3.3-41	07 DEC 2017	AD 2.WSSS-4	31 DEC 2020	AD-2-WSSS-STAR-8 to 8.1	31 DEC 2020
ENR 3.3-42	07 DEC 2017	AD 2.WSSS-5	25 FEB 2021	AD-2-WSSS-STAR-9 to 9.1	31 DEC 2020
ENR 3.3-43	07 DEC 2017	AD 2.WSSS-6	31 DEC 2020	AD-2-WSSS-STAR-11 to 11.1	31 DEC 2020
ENR 3.3-44	10 SEP 2020	AD 2.WSSS-7	31 DEC 2020	AD-2-WSSS-STAR-13 to 13.1	31 DEC 2020
ENR 3.4-1	12 NOV 2015	AD 2.WSSS-8	31 DEC 2020	AD-2-WSSS-STAR-14 to 14.1	31 DEC 2020
ENR 3.4-2	12 OCT 2017	AD 2.WSSS-9	31 DEC 2020	AD-2-WSSS-STAR-15 to 15.1	31 DEC 2020
ENR 3.4-3	28 FEB 2019	AD 2.WSSS-10	31 DEC 2020	AD-2-WSSS-STAR-16 to 16.1	31 DEC 2020
ENR 3.4-4	12 NOV 2015	AD 2.WSSS-11	31 DEC 2020	AD-2-WSSS-STAR-17 to 17.1	31 DEC 2020
ENR-3.4-5	31 DEC 2020	AD 2.WSSS-12	31 DEC 2020	AD-2-WSSS-STAR-18 to 18.1	31 DEC 2020
ENR-3.4-7	21 JUL 2016	AD 2.WSSS-13	31 DEC 2020	AD-2-WSSS-STAR-19 to 19.1	31 DEC 2020
ENR 3.5-1	02 MAR 2017	AD 2.WSSS-14	31 DEC 2020	AD-2-WSSS-STAR-20 to 20.1	31 DEC 2020
ENR 3.5-2	02 MAR 2017	AD 2.WSSS-15	31 DEC 2020	AD-2-WSSS-STAR-21 to 21.1	31 DEC 2020
ENR-3.5-3	31 DEC 2020	AD 2.WSSS-16	31 DEC 2020	AD-2-WSSS-IAC-1	31 DEC 2020
ENR 3.6-1	27 APR 2017	AD 2.WSSS-17	31 DEC 2020	AD-2-WSSS-IAC-2	31 DEC 2020
ENR 3.6-2	27 APR 2017	AD 2.WSSS-18	25 FEB 2021	AD-2-WSSS-IAC-5	31 DEC 2020
ENR-3.6-3	05 JAN 2017	AD 2.WSSS-19	25 FEB 2021	AD-2-WSSS-IAC-6	31 DEC 2020
ENR-3.6-5	31 DEC 2020	AD 2.WSSS-20	31 DEC 2020	AD-2-WSSS-IAC-7	31 DEC 2020
ENR-3.6-7	31 DEC 2020	AD 2.WSSS-21	31 DEC 2020	AD-2-WSSS-IAC-9 to 9.1	31 DEC 2020
ENR-3.6-9	31 DEC 2020	AD 2.WSSS-22	31 DEC 2020	AD-2-WSSS-IAC-10 to 10.1	31 DEC 2020
		AD 2.WSSS-23	31 DEC 2020	AD-2-WSSS-IAC-11 to 11.1	31 DEC 2020
		AD 2.WSSS-24	31 DEC 2020	AD-2-WSSS-IAC-12 to 12.1	31 DEC 2020

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AD-2-WSSS-IAC-13 to 13.1	22 APR 2021	AD-2-WIDD-SID-3	12 NOV 2015
AD-2-WSSS-IAC-14 to 14.1	25 FEB 2021	AD-2-WIDD-SID-4	12 NOV 2015
AD-2-WSSS-VAC-1	31 DEC 2020	AD-2-WIDD-STAR-1	12 NOV 2015
AD 2.WSSL-1	10 SEP 2020	AD-2-WIDD-STAR-2	12 NOV 2015
AD 2.WSSL-2	28 FEB 2019	AD-2-WIDD-STAR-3	12 NOV 2015
AD 2.WSSL-3	15 AUG 2019	AD-2-WIDD-STAR-4	12 NOV 2015
AD 2.WSSL-4	05 DEC 2019	AD 2.WIDN-1	03 JAN 2019
AD 2.WSSL-5	21 MAY 2020	AD 2.WIDN-2	03 JAN 2019
AD 2.WSSL-6	15 AUG 2019	AD-2-WIDN-SID-1	12 NOV 2015
AD 2.WSSL-7	15 AUG 2019	AD-2-WIDN-SID-2	12 NOV 2015
AD 2.WSSL-8	15 AUG 2019	AD-2-WIDN-SID-3	12 NOV 2015
AD 2.WSSL-9	15 AUG 2019	AD-2-WIDN-SID-4	12 NOV 2015
AD 2.WSSL-10	15 AUG 2019	AD-2-WIDN-STAR-1	12 NOV 2015
AD 2.WSSL-11	15 AUG 2019	AD-2-WIDN-STAR-2	12 NOV 2015
AD 2.WSSL-12	26 MAR 2020	AD-2-WIDN-STAR-3	21 JUL 2016
AD 2.WSSL-13	05 DEC 2019	AD-2-WIDN-STAR-4	12 NOV 2015
AD 2.WSSL-14	15 AUG 2019		
AD 2.WSSL-15	10 SEP 2020		
AD 2.WSSL-16	10 OCT 2019		
AD 2.WSSL-17	05 NOV 2020		
AD 2.WSSL-18	05 NOV 2020		
AD 2.WSSL-19	15 AUG 2019		
AD 2.WSSL-20	10 OCT 2019		
AD 2.WSSL-21	05 NOV 2020		
AD 2.WSSL-22	10 OCT 2019		
AD 2.WSSL-23	25 FEB 2021		
AD 2.WSSL-24	15 AUG 2019		
AD 2.WSSL-25	25 FEB 2021		
AD-2-WSSL-ADC-1	16 JUL 2020		
AD-2-WSSL-ADC-2	16 JUL 2020		
AD-2-WSSL-ADC-3	16 JUL 2020		
AD-2-WSSL-AOC-1	16 JUL 2020		
AD-2-WSSL-AOC-2	16 JUL 2020		
AD-2-WSSL-VAC-1	16 JUL 2020		
AD-2-WSSL-VAC-2	16 JUL 2020		
AD-2-WSSL-VAC-3	16 JUL 2020		
AD-2-WSSL-VAC-4	16 JUL 2020		
AD-2-WSSL-VDC-1	16 JUL 2020		
AD-2-WSSL-VDC-2 to 2.1	25 FEB 2021		
AD-2-WSSL-VFR-1	31 DEC 2020		
AD-2-WSSL-IFR-1	31 DEC 2020		
AD-2-WSSL-IFR-2	31 DEC 2020		
AD 2.WSAP-1	16 JUL 2020		
AD 2.WSAP-2	19 JUL 2018		
AD 2.WSAP-3	10 OCT 2019		
AD 2.WSAP-4	19 JUL 2018		
AD 2.WSAP-5	10 OCT 2019		
AD 2.WSAP-6	12 OCT 2017		
AD 2.WSAP-7	19 JUL 2018		
AD 2.WSAP-8	10 SEP 2020		
AD 2.WSAP-9	16 JUL 2020		
AD 2.WSAP-10	16 JUL 2020		
AD 2.WSAP-11	31 DEC 2020		
AD-2-WSAP-ADC-1	16 JUL 2020		
AD-2-WSAP-ADC-2	16 JUL 2020		
AD-2-WSAP-AOC-1	16 JUL 2020		
AD-2-WSAP-IAC-1	31 DEC 2020		
AD-2-WSAP-IAC-2	31 DEC 2020		
AD-2-WSAP-IAC-3	31 DEC 2020		
AD-2-WSAP-IAC-4	31 DEC 2020		
AD-2-WSAP-IAC-5	31 DEC 2020		
AD-2-WSAP-IAC-6	31 DEC 2020		
AD 2.WSAT-1	16 JUL 2020		
AD 2.WSAT-2	26 MAR 2020		
AD 2.WSAT-3	25 FEB 2021		
AD 2.WSAT-4	25 FEB 2021		
AD 2.WSAT-5	10 SEP 2020		
AD 2.WSAT-6	25 FEB 2021		
AD 2.WSAT-7	12 NOV 2015		
AD 2.WSAT-8	25 FEB 2021		
AD-2-WSAT-ADC-1	25 FEB 2021		
AD 2.WSAG-1	16 JUL 2020		
AD 2.WSAG-2	08 NOV 2018		
AD 2.WSAG-3	10 SEP 2020		
AD 2.WSAG-4	16 JUL 2020		
AD 2.WMKJ-1	12 NOV 2015		
AD 2.WIDD-1	12 NOV 2015		
AD 2.WIDD-2	12 NOV 2015		
AD-2-WIDD-SID-1	12 NOV 2015		
AD-2-WIDD-SID-2	12 NOV 2015		

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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
SINGAPORE CHANGI AIRPORT, P.O. BOX 1
SINGAPORE 918141

Tel: (65) 65421122

Fax: (65) 65421231

AFS: WSSSYAYX

URL: www.caas.gov.sg

2 METEOROLOGY

Post:

DIRECTOR-GENERAL METEOROLOGICAL SERVICE SINGAPORE
Singapore Changi Airport, P.O. Box 8
SINGAPORE 918141

Tel: (65) 65457190

Fax: (65) 65457192

AFS: WSSSYMYX

URL: www.weather.gov.sg

3 CUSTOMS

Post:

SINGAPORE CUSTOMS
55 Newton Road #10-01, Revenue House
SINGAPORE 307987

Tel: (65) 63552000

Fax: (65) 62508663

URL: www.customs.gov.sg

4 IMMIGRATION

Post:

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

Tel: (65) 63916100

Fax: (65) 62980837

URL: www.ica.gov.sg

5 HEALTH

Post:

MINISTRY OF HEALTH
16 College Road, College of Medicine Building
SINGAPORE 169854

Tel: (65) 63259220

Fax:

URL: www.moh.gov.sg

6 ENROUTE AND AERODROME CHARGES

Post:
CIVIL AVIATION AUTHORITY OF SINGAPORE
Singapore Changi Airport P.O. Box 1
SINGAPORE 918141

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
JEM Office Tower, 52 Jurong Gateway Road #14-01
SINGAPORE 608550

Tel: (65) 68052992
Fax: (65) 63341831
URL: www.nparks.gov.sg/avs

←
←
| Post:
CHANGI ANIMAL AND PLANT QUARANTINE STATION
Gate C7, Airport Cargo Road Changi Airfreight Centre
SINGAPORE 918104

←
| ←
Tel: (65) 65457523
Fax: (65) 65453023

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) 65412798
Fax: (65) 65422394
URL: www.mot.gov.sg

GEN 1.3 ENTRY, TRANSIT AND DEPARTURE OF PASSENGERS AND CREW**1 CUSTOMS REQUIREMENTS**

1.1 The Red and Green Channel system is operated at the Airport to expedite customs clearance of arriving air passengers. All arriving passengers shall present themselves personally with their baggage and make oral declarations at the Red Channel if they have any prohibited or controlled goods or goods exceeding their duty-free concession and Goods and Services Tax (GST) import relief. If they do not have any of such goods, they may leave the Arrival Hall through the Green Channel. However, selective checks may be conducted on passengers going through the Green Channel. All crew members shall produce their baggage for clearance at the Red Channel only. Departing passengers are not subject to Customs formalities unless required to do so. Baggage may be examined in such manner as deemed necessary and it shall be the duty of the person in charge of the baggage to produce, open, unpack and repack such baggage.

1.2 **Dutiable Goods.** All dutiable goods brought into Singapore are subject to customs duty and/or excise duty and GST. There are 4 categories of dutiable goods: Intoxicating liquors; tobacco products; motor vehicles; and motor fuel. Please refer to the Singapore Customs' website for the latest list of dutiable goods and their respective duty rates. There is no customs duty on goods exported from Singapore.

1.3 **Duty-Free Allowance.** Travellers are entitled to duty-free concession for liquors if they meet all the following conditions:

- Is 18 years of age and above;
- Have spent 48 hours or more outside Singapore immediately before arrival;
- Not arriving from Malaysia;
- The liquor is for personal consumption; and
- The liquor is not prohibited from import into Singapore.

Travellers will be given duty-free concession for liquors on one of the following options:

Option	Spirits	Wine	Beer
A	1 Litre	1 Litre	-
B	1 Litre	-	1 Litre
C	-	1 Litre	1 Litre
D	-	2 Litres	-
E	-	-	2 Litres

Bona-fide crew members are granted duty-free concession on 0.25 litre of spirits and 1 litre of wine or 1 litre of beer.

1.4 **GST Taxable Goods.** All goods brought into Singapore are subject to GST, at the prevailing rate of 7 percent. GST is levied on the value of goods, which may include the cost, insurance and freight (CIF) plus other chargeable costs and the duty payable (if applicable).

1.5 **GST Import Relief.** Travellers (excluding crew members and holders of a work permit, employment pass, student pass, dependent pass or long-term pass issued by the Singapore Government), are granted GST import relief on new articles, souvenirs, gifts and food preparations brought into Singapore. These goods must be intended for traveller's personal use or consumption and not for sale. The GST import relief amount is based on the number of hours the traveller has spent outside Singapore, as specified in the table below:

Time spent outside Singapore	Value of goods granted GST relief
48 hours and above	S\$500
Less than 48 hours	S\$100

There is no GST import relief and duty-free concession on intoxicating liquor and tobacco products, as well as goods imported for commercial purposes.

For more information on duty-free concession and GST import relief, please visit Singapore Customs' website.

1.6 **Declaration and Payment of Duty and/or GST.** Arriving travellers are required to declare and pay the duty and GST to bring in dutiable and taxable goods exceeding their duty-free concession and GST import relief. For convenience, you are encouraged to make an advance declaration and payment of duties and GST prior to your arrival through our Customs@SG mobile app or web portal. Once tax payment is successful, the app will create an e-receipt in your mobile device and you may exit the Arrival Hall via the Green Channel. If you are stopped for checks, you can show the e-receipt stored in your mobile device as proof of payment to the officers.

Please visit Singapore Customs' website for more information on the Customs@SG mobile app and web portal. Alternatively, you may proceed directly to the Customs Tax Payment Office or the Red Channel upon arrival to declare your goods. Please present supporting documents such as invoices or receipts indicating the value of your goods to facilitate declaration and payment (if necessary).

1.7 **Goods Requiring a Customs Import Permit.** A valid Customs import permit is required for clearance if travellers are carrying (but not limited to):

- More than 0.4 kilogrammes of cigarettes or other tobacco products;
- More than 10 litres of liquor products;
- More than 0.5 kilogrammes of investment precious metals for personal use;
- More than 10 litres of motor fuel;
- Goods for trade or commercial use the GST on which exceeds S\$300; or
- Goods clearly marked as trade samples (excluding liquors and tobacco products) the value of which exceeds S\$400

1.8 **Prohibited Goods.** The following items are NOT allowed to be imported into Singapore. Some examples of prohibited goods include (but not limited to):

- Chewing gum (except approved oral dental and medicated gum by Singapore's Health Sciences Authority)
- Chewing tobacco and imitation tobacco products (e.g. electronic cigarettes, etc)
- Nasal snuff
- Oral snuff (including snus and dipping tobacco)
- Gutkha, Khaini and Zarda
- Shisha
- Smokeless cigars, smokeless cigarillos or smokeless cigarettes
- Dissolvable tobacco or nicotine. Any product containing nicotine or tobacco that may be used topically for application, by implant or injected into any parts of the body
- Any solution or substance, of which tobacco or nicotine is a constituent, that is intended to be used with an electronic nicotine delivery system or vaporizers
- Cigarette lighters of pistol or revolver shape
- Controlled drugs and psychotropic substances
- Endangered species of wildlife and their by-products
- Firecrackers
- Obscene articles, publications, video tapes/discs and software
- Reproduction of copyright publications, video tapes, video compact discs, laser discs, records or cassettes
- Seditious and treasonable materials

It is an offence to attempt to bring prohibited goods into Singapore.

1.9 **Controlled Goods.** You are required to obtain an import permit or authorisation form from the relevant Competent Authorities before you can bring controlled goods into Singapore. Please produce the goods and the import permit or authorisation form to the checking officer at the Red Channel on your arrival. Some examples of controlled goods include (but not limited to):

- Animals, birds, fish and their products
- CDs, DVDs, films and video games
- Arms and explosives
- Medicines and pharmaceutical products
- Telecommunication and radio communication equipment

Please visit Customs website for more information on controlled and prohibited goods .

2 IMMIGRATION REQUIREMENTS

← 2.1 All passengers are required to present themselves with their travel documents, and endorsements (if necessary).

All travellers, including Singapore Citizens, Permanent Residents, Long-Term Pass holders and foreign visitors, are required to electronically submit their pre-trip health and travel history declarations to the Immigration & Checkpoints Authority (ICA) via the SG Arrival Card (SGAC) e-Service, before arriving in Singapore. This does not apply to those transiting/transferring through Singapore without seeking immigration clearance.

All travellers seeking entry into Singapore are required to comply with Singapore's border control measures, which can be found at <https://safetravel.ica.gov.sg>.

2.2 Any person entering Singapore from a place outside Singapore, or is leaving Singapore for a place outside Singapore (including aircrew entering or leaving Singapore on test flights) shall present to an immigration officer at an authorised airport, a valid passport or a valid travel document recognised by the Government of Singapore (in the case of an alien, a visa for Singapore where such a visa is required) with the exception of the following persons:

- a. A member of the Singapore Armed Forces travelling on duty;
- b. A member of such Visiting Forces as the Minister may determine;
- c. Any child or person who is included in the passport or other travel document of a parent of the child, or of a spouse or other relative of the person and is accompanying that parent, spouse or relative (as the case may be) when travelling to and leaving from Singapore.

2.3 Nationals of the following countries require visas for the purpose of social visits in Singapore (with exception of an aircrew who is an airline crew member that, in the course of a journey on duty from a place outside Singapore to Singapore, or from a place outside Singapore to a place outside Singapore, calls at an authorised airport):

- Afghanistan
- Algeria
- Bangladesh*
- ← - Commonwealth of Independent States i.e. Armenia~, Azerbaijan*, Belarus*, Kazakhstan*, Kyrgyzstan*, Moldova*, Russia*, Tajikistan*, and Uzbekistan~
- Democratic People's Republic of Korea
- Egypt
- ← - Georgia#
- India*
- Iran
- Iraq
- Jordan*
- Kosovo
- Lebanon
- Libya
- Mali
- Morocco~
- Nigeria*
- People's Republic of China^
- Pakistan
- Saudi Arabia~
- Somalia
- Sudan
- Syria
- Tunisia*
- Turkmenistan*
- Ukraine*
- Yemen

Visitors holding Hong Kong Document of Identity, Macao Special Administrative Region (MSAR) Travel Permit, Palestinian Authority Passport, Refugee Travel Document** issued by the Middle-East countries and Temporary Passport issued by United Arab Emirates will also require a visa to enter Singapore.

* Holders of diplomatic, official and service passports do not need a visa for entry.

^ Holders of diplomatic, public affairs and service passports do not need a visa for entry.

+ Holders of diplomatic and official passports do not need a visa for entry

~ Holders of diplomatic passports do not need a visa for entry

** These travel documents are subjected to assessment of recognition for entry into Singapore

Holders of diplomatic and service passports do not need a visa for entry

Nationals of Commonwealth of Independent States (Armenia, Azerbaijan, Belarus, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, and Uzbekistan), Georgia, Turkmenistan, and Ukraine may qualify for the 96-hour visa free transit facility (VFTF) provided that:

- a. the person is in transit to a third country;
- b. the person holds a valid passport, confirmed onward air-ticket, entry facilities (including visa) to the third country and have sufficient funds for the period of stay in Singapore;
- c. the person continues his journey to the third country within 96 hours visa free period granted; and
- d. the person satisfies Singapore's entry requirements.

Nationals of India and the PRC may qualify for the 96-hour VFTF provided that:

- a. the person is in transit to or from a third country via Singapore by any mode of transport and will depart via air or sea;
- b. the person holds a valid passport and confirmed onward air/ferry/cruise ticket for departure from Singapore within 96 hours;
- c. the person has a valid visa*/long-term pass (with a validity of at least 1 month from the date of entry into Singapore under the VFTF) issued by any of the following countries:
 - Australia
 - Canada
 - Germany
 - Japan
 - New Zealand
 - Switzerland
 - United Kingdom
 - United States of America

* A visa is considered valid so long as it is good for entry into one of the eight countries listed above. Travellers with Single Journey Visas (SJV) may still be granted VFTF on the return leg of their journey (i.e. after the SJV is used and no longer valid), but:

- the person must travel directly from the country that issued the SJV, en route through Singapore, back to their home country
- the person must not have returned to their home country since they last used the SJV.

2.4 Visitors and Long-Term Pass holders must satisfy the following basic entry requirements before they are allowed to enter Singapore:

- a. They are in possession of entry approval letters issued by the Singapore Government and 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; and
- d. They have a Yellow Fever Vaccination Certificate and negative Covid-19 PCR test result taken within 72 hours before departure, if applicable.

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 travellers above one year of age who have been in or have passed through any country with risk of yellow fever transmission in the six days before arriving in Singapore. The certificate is valid for life, beginning from 10 days after the date of vaccination (this applies to existing and new certificates). An exemption letter, signed by a medical practitioner, is required for individuals who are exempted from being vaccinated before entry into Singapore. Please refer to Singapore's Immigration & Checkpoints Authority website for the updated list of countries with risk of yellow fever transmission.

3.4 All travellers, including Singapore Citizens, Permanent Residents, Long-Term Pass holders and foreign visitors, will need to take a COVID-19 PCR test upon arrival in Singapore.

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.

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GEN 1.4 ENTRY, TRANSIT AND DEPARTURE OF CARGO

1 CUSTOMS REQUIREMENTS CONCERNING CARGO AND OTHER ARTICLES

- 1.1 The following supporting documents: Airway Bill, Invoice, Packing List together with Customs Permits [for all goods including controlled goods, dutiable goods and goods subject to Goods and Services Tax (GST)] are to be produced if they are required for checks by Immigration and Checkpoints Authority officers at the checkpoint.
- 1.2 The following are applicable to the Free Trade Zone (FTZ):
- a. Transshipment within the same FTZ (In Through Airway Bill cases), no Customs documentation is required if the items are not controlled by the Competent Authorities (CAs);
 - b. Transshipment of controlled goods within the same FTZ (In Through Airway Bill cases), a transshipment (Through transshipment within the same FTZ) permit is required; and
 - c. Import for re-export within the same FTZ (In Non-Through Airway Bill cases), an import permit is required for the importation of goods into the FTZ and an export permit is required for the exportation of goods from the same FTZ.
- 1.3 Under the Strategic Goods (Control) Act (SGCA), goods in transshipment or transit are subject to controls under the full control list. No clearance documents are required for strategic goods in transshipment or transit which are taken into a FTZ immediately after they have been brought into Singapore and stay in the FTZ for not more than 45-days (for sea) / 21-days (for air) except for certain categories of goods. For transshipment and transit of certain sensitive strategic goods (listed under the Fourth and Fifth Schedule of the SGCR) and goods that are intended or likely to be used for nuclear, chemical or biological weapon purposes, or missiles capable of delivering such weapons (i.e. catch-all for WMD purposes), a strategic good permit is still required. Depending on the conditions stated in the permits, these goods may be required to be presented for Customs clearance at the checkpoint
- 1.4 For the exportation of dutiable goods from a Licensed Warehouse, or non-dutiable goods from a Zero-GST Warehouse, Customs outward permits are to be presented for checkpoint inspection and clearance.
- 1.5 For the importation and exportation of controlled goods, depending on the Competent Authorities' (CA) requirements, these goods may be required to be presented for Customs clearance at the checkpoint. For more information on the list of Controlled and Prohibited Goods for the importation and exportation of goods, please visit the respective pages on the Singapore Customs website. You may also refer to the [Strategic Goods](#) and the [United Nations Security Council Sanctions](#) webpages for more information on the relevant topics.

2 VETERINARY, ANIMALS, BIRDS, MEAT, FISH AND PLANT QUARANTINE REQUIREMENTS

- ← 2.1 Prior permission of the Animal & Veterinary Service (AVS) is required for import, export or transshipment of:
- a. Animals, birds, eggs, meat and meat products (including canned or processed meat), animal products, veterinary biological, fertilizers containing animal products;
 - b. Fish (for human consumption as well as for aquaria), fisheries products (in all forms), aquatic animals (alive or dead).
 - c. Plants and propagatable plant parts including cuttings, seeds and bulbs with or without potting medium, organic fertilisers of plant origin, live insects and microorganisms. Plant produce including cutflowers, fruits and vegetables from the American Tropics (between Lat 23 1 / 2°N and 23 1 / 2°S).
- 2.2 In the case of live animals, prior permission is also required for animals in transit. No prior permission required for transshipment of plants and plant products.
- ← 2.3 Prior permission of the Animal & Veterinary Service (AVS) is required for the import and export of all species of wild animals and plants and their parts or derivatives protected under the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).

3 REQUIREMENTS RELATING TO ARMS AND EXPLOSIVES

- 3.1 Arms, explosives and explosives precursors are items regulated under the Arms & Explosives Act, Chapter 13. Under the said Act, any import or export of any of these items will require a licence from the Police Licensing & Regulatory Department (PLRD). For avoidance of any doubt, any transshipment (i.e. import of goods into Singapore on one conveyance and moved to another conveyance for the sole purpose of export to any place outside of Singapore) would similarly require an import and export licence respectively.
- 3.2 Application for the necessary licences can be submitted via Singapore Custom's TradeNet website (for traders) or GoBusiness website (<https://www.gobusiness.gov.sg>). More information can be obtained from PLRD's website at <https://www.police.gov.sg/licence> or email: spf_licensing_feedback@spf.gov.sg.

4 REQUIREMENTS FOR THE CARRIAGE OF DANGEROUS GOODS IN AIRCRAFT

4.1 DANGEROUS GOODS

- 4.1.1 Paragraph 50D of the Air Navigation Order state that dangerous goods shall not be carried or have loaded in an aircraft unless the operator of the aircraft has been granted with a dangerous goods permit granted by the Director-General of Civil Aviation and in accordance with any conditions which may be imposed. This provision applies to all aircraft flying to, from or over the Republic of Singapore, and to Singapore registered aircraft wherever they may be. Where an operator of an aircraft has diplomatic clearance from the Ministry of Foreign Affairs to land the aircraft in Singapore, the operator is not required, for the period of time that the diplomatic clearance is valid, to obtain a dangerous goods permit.
- 4.1.2 A dangerous goods permit, if granted, is subject to compliance with Annex 18 to the Convention on International Civil Aviation and the latest edition of the ICAO Technical Instructions relating to the Safe Transport of Dangerous Goods by Air.
- 4.1.3 Operators who wish to carry dangerous goods should submit their applications to the address below, in the prescribed form, giving full details of the consignment:

Flight Standards Division
Civil Aviation Authority of Singapore
Singapore Changi Airport
P.O.Box 1, Singapore 918141
FAX: (65) 65456519
TEL: (65) 65413487

Each application must be supported by a shipper's declaration form, airway bill and commercial invoice. All airline operators planning to carry dangerous goods to, from or through Singapore may request for the application forms from Flight Standards Division, CAAS (email: CAAS_dangerousgoods@caas.gov.sg). These applications should be submitted at least 7 working days before the intended date of carriage.

5 REPORTING OF DANGEROUS GOODS ACCIDENT/INCIDENT

- 5.1 Operators are required to submit a written report to the CAAS within 24 hours of the occurrence coming to the knowledge of the person making the report in the event of any dangerous goods accident, dangerous goods incident or the finding of undeclared or mis declared munitions of war or dangerous goods in cargo or passenger's baggage on board any aircraft operated by that operator.
- 5.2 When any dangerous goods accident occurs on board any Singapore aircraft, or any aircraft that lands in or departs from Singapore, the operator of that aircraft should notify CAAS immediately through the most expeditious means (i.e. Telephone call or SMS etc.) and submit a written notification within 3 hours from immediate notification. The initial report may be made by any means but a written report utilising Part 4 of CAAS AW139 form, including all relevant documents, should be sent as soon as possible and which shall in any case be within 24 hours, even if all the information is not available. The report should then be updated as soon as more information becomes available.
- 5.3 Where any information referred to in paragraph 5.4 below is not in the possession of the person making a report, that person shall dispatch the information in a form as specified by the Chief Executive, and by the quickest available means within 24 hours of the information coming into his possession.

GEN 1.7 DIFFERENCES FROM ICAO STANDARDS, RECOMMENDED PRACTICES AND PROCEDURES

ANNEX 1 Personnel Licensing, 12th Edition

Chapter 2 (10th edition, Amendment 169)

- 2.3.3.1.2 Due to local geographical constraints and boundary, it is not possible to complete one cross-country flight totalling not less than 270km (150NM) in the course of which full- stop landings at two different aerodromes are made. In such cases, a Private Pilot Licence with restriction to fly within Singapore only will be issued.
- 2.8.2.1 Singapore issues two types of ratings for flying instructors: Flying Instructor Rating and Assistant Flying Instructor Rating. Both ratings meet the ICAO standards for flying instructors. Newly qualified instructors are issued with an Assistant Flying Instructor Rating, and may qualify for a Flying Instructor Rating after acquiring additional flying and instructional experience.
- An Assistant Flying Instructor Rating does not entitle the holder to:
- give flying instructions unless under the supervision of a person holding a Flying Instructor Rating; or
 - give directions in respect of the student pilot's first solo day/night flight and first solo cross-country day/night flight.
- 2.9.1.1 The applicant for a Commercial Pilot Licence (Gliders) shall not be less than 18 years of age.
- 2.10.1.1 The applicant for a Private Pilot Licence (Balloons and Airships) shall not be less than 17 years of age. The applicant for a Commercial Pilot Licence (Balloons and Airships) shall not be less than 18 years of age.

ANNEX 2 Rules of the Air, 10th Edition

Appendix 3 (Amendment 42)

VFR or IFR flights when operating in uncontrolled airspace within certain parts of the Singapore FIR at or above 3,000ft and below FL250 are required to use the cruising levels specified in the quadrantal table of cruising levels (quadrantal rule) as shown in page ENR 1.7-5 para 4.4.

DOC 4444 Procedures for Air Navigation Services - Air Traffic Management, 15th Edition (PANS-ATM)

- NIL Difference

DOC 7030 Regional Supplementary Procedures, 5th Edition

MID/ASIA REGIONAL SUPPLEMENTARY PROCEDURES

- 1.2.1 Flights shall be conducted in accordance with the Instrument Flight Rules (even when not operating in instrument meteorological conditions) when operated:
- Above FL200.

ANNEX 3 Meteorological Service for International Air Navigation, 20th Edition

- NIL Difference

ANNEX 4 Aeronautical Charts, 11th Edition

- NIL Difference

ANNEX 5 Units of Measurement to be used in Air and Ground Operations, 5th Edition

- NIL Difference

ANNEX 6 Operation of Aircraft

<u>Part I</u>	(International Commercial Air Transport - Aeroplanes) - 11th Edition
<u>Chapter 12</u>	(Amendment 34)
12.4(b)	Singapore regulations do not require all cabin crew to be trained on the use of automated external defibrillator (AED). However, the regulations require that at least one senior cabin crew on board every aircraft carrying AED to be trained on the use of AED.

<u>Part II</u>	(International General Aviation - Aeroplanes) - 10th Edition
<u>Chapter 6</u>	(Amendment 29)
6.1.1	General aviation aircraft in Singapore are required to be registered in the Public Transport Category.

<u>Part III</u>	(International Operations - Helicopters) - 9th Edition
- NIL Difference	

ANNEX 7 Aircraft Nationality and Registration Marks, 6th Edition

- NIL Difference.

ANNEX 8 Airworthiness of Aircraft, 12th Edition

- NIL Difference

ANNEX 9 Facilitation, 15th Edition

Chapter 3

3.25	Singapore issues single, double, triple, or multiple journey visas, some with validity of less than six months.
3.26	Singapore adopts an electronic visa system (e-Visa) to retrieve information to verify the identity of the visa holder.
3.27	Singapore requires all travellers, including Singapore Citizens, Permanent Residents, Long-Term Pass holders and foreign visitors, to complete an electronic SG Arrival Card (SGAC) before/upon arrival in Singapore.
3.46	Special Pass may be issued to an inadmissible passenger to enable him to apply for travel documents from the relevant diplomatic mission. In such cases, the aircraft operator shall continue to be responsible for the custody and care of the passenger.
3.66	With effect from 27 Aug 2007, air crew who arrive in Singapore on crew duty and seeking temporary entry into Singapore are required to produce their passports for immigration clearance. However, their passports will not be endorsed. Crew who are nationals of countries that require visa to enter Singapore will continue to be exempted from the visa requirements if they arrive in Singapore as part of their crew duty or to join their assigned flights for the purpose of performing their crew duty.

Chapter 5

5.9.1	Under Singapore's regulations, the cost of custody and care of inadmissible persons pending their removal shall be borne by the aircraft operator.
5.18	The obligations, responsibilities, and costs associated with the removal of deportees are a shared responsibility. Singapore works closely with foreign diplomatic missions to facilitate the removal of deportees.
5.23	A valid travel document is required before any special consideration can be given to the admission of such persons. For Permanent Residents, an entry permit and valid travelling documents are required before entry is granted.

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.

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	30 JAN 20
Enroute Chart ICAO (ENRC)		ERC 6-1		In AIP	22 APR 21
Instrument Approach Chart ICAO (IAC)		Singapore Changi			
	1:400 000	RWY 02L - ICW ILS/DME	AD-2-WSSS-IAC-1	In AIP	31 DEC 20
	1:400 000	RWY 02C - ICE ILS/DME	AD-2-WSSS-IAC-2	In AIP	31 DEC 20
	1:400 000	RWY 20R - ICH ILS/DME	AD-2-WSSS-IAC-5	In AIP	31 DEC 20
	1:400 000	RWY 20C - ICC ILS/DME	AD-2-WSSS-IAC-6	In AIP	31 DEC 20
	1:400 000	RWY 20C - VTK DVOR/DME	AD-2-WSSS-IAC-7	In AIP	31 DEC 20
	1:400 000	RWY 02L - RNP	AD-2-WSSS-IAC-9	In AIP	31 DEC 20
	1:400 000	RWY 02C - RNP	AD-2-WSSS-IAC-10	In AIP	31 DEC 20
	1:400 000	RWY 20R - RNP	AD-2-WSSS-IAC-11	In AIP	31 DEC 20
	1:400 000	RWY 20C - RNP	AD-2-WSSS-IAC-12	In AIP	31 DEC 20
	1:400 000	RWY 02R - RNP	AD-2-WSSS-IAC-13	In AIP	22 APR 21
	1:400 000	RWY 20L - RNP	AD-2-WSSS-IAC-14	In AIP	25 FEB 21
		Paya Lebar			
	1:400 000	RWY 20 - PU DVOR/DME	AD-2-WSAP IAC-1	In AIP	31 DEC 20
	1:400 000	RWY 02 - PU DVOR/DME	AD-2-WSAP IAC-2	In AIP	31 DEC 20
	1:400 000	RWY 20 - IPS ILS/DME	AD-2-WSAP IAC-3	In AIP	31 DEC 20
	1:400 000	RWY 02 - IPN ILS/DME	AD-2-WSAP IAC-4	In AIP	31 DEC 20
	1:400 000	RWY 02 - RNP	AD-2-WSAP-IAC-5	In AIP	31 DEC 20
	1:400 000	RWY 20 - RNP	AD-2-WSAP-IAC-6	In AIP	31 DEC 20
Visual Approach Chart ICAO (VAC)	1:400 000	Singapore Changi		AD-2-WSSS-VAC-1	In AIP 31 DEC 20
		Seletar			
	1:100 000	RWY 03	AD-2-WSSL-VAC-1	In AIP	16 JUL 20
	1:100 000	RWY 21	AD-2-WSSL-VAC-2	In AIP	16 JUL 20
	1:100 000	RWY 03	AD-2-WSSL-VAC-3	In AIP	16 JUL 20
	1:100 000	RWY 21	AD-2-WSSL-VAC-4	In AIP	16 JUL 20
Visual Departure Chart		Seletar			
	1:100 000	RWY 03	AD-2-WSSL-VDC-1	In AIP	16 JUL 20
	1:100 000	RWY 21	AD-2-WSSL-VDC-2	In AIP	25 FEB 21
Aerodrome Chart ICAO (AC)		Singapore Changi		AD-2-WSSS-ADC-2	In AIP 22 APR 21
		Seletar		AD-2-WSSL-ADC-1	In AIP 16 JUL 20
		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	16 JUL 20
	1:10 000	RWY 20C/02C	AD-2-WSSS-AOC-2	In AIP	31 DEC 20
	1:10 000	RWY 02R/20L	AD-2-WSSS-AOC-4	In AIP	22 APR 21
		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	16 JUL 20

GEN 3.5 METEOROLOGICAL SERVICES

1 RESPONSIBLE SERVICE

- 1.1 The meteorological services for civil aviation are provided by the Meteorological Service Singapore of the National Environment Agency.

Post:

THE DIRECTOR-GENERAL
Meteorological Service Singapore
Singapore Changi Airport,
P.O. Box 8
SINGAPORE 918141

Tel: (65) 65457190(HQ)

(65) 65425059 / (65) 65422837 (MET Office)

Fax: (65) 65457192 (HQ)

(65) 65425026 (MET Office)

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 are detailed in subsection GEN 1.7.

2 AREA OF RESPONSIBILITY

- 2.1 Area meteorological watch is provided for the Singapore FIR.

3 METEOROLOGICAL OBSERVATIONS AND REPORTS

TABLE GEN 3.5.3 Meteorological Observations and Reports

Name of Station/ Location Indicator	Type & Frequency of Observation/ Automatic Observing Equipment	Types of MET Reports & Supplementary Information included	Observation System & Sites (s)	Hours of Operation	Climatological Information
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) 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 the runway 02R/20L as backup). b. Windssocks 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. Windssocks 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 at the southern part of the runway is used for wind report in METAR and SPECI. If the sensor in the southern part of the runway is down, the sensor in the northern part of the runway will be used.	H24	NIL

4 TYPES OF SERVICES

- 4.1 The Meteorological Office and Meteorological Watch Office at Singapore Changi Airport operate H24 and provide the following services for civil aviation:
- a. Full meteorological documentation and briefing for current operational planning for all flights operating out of Singapore Changi Airport;
 - b. Area meteorological watch over the Singapore FIR with the supply of meteorological information including SIGMET information to aircraft in flight through the Singapore ATS radio channels (see subsection AD 2.11);
 - c. HF RTF VOLMET broadcasts of meteorological information (see page GEN 3.5-7), Aviation weather report with trend statement, strong low level vertical wind shear report and aerodrome warnings are also included in VHF ATIS broadcasts for Singapore Changi Airport (see page GEN 3.4-3);
 - d. Meteorological information for ATS
- 4.2 Weather briefing by a forecaster is available H24 to qualified flight operations personnel at the Meteorological Office at Singapore Changi Airport or via telephone at (65)65425059 / (65)65422837. Weather information is available online via our Aviation Weather Services Portal at URL <http://www.weather.gov.sg/> (see paragraph 9.2 for further details).
- 4.3 The Meteorological Office at Seletar Aerodrome operates H24 and provides meteorological documentation without briefing for international and general aviation flights operating out of Seletar Aerodrome.
- 4.4 Details of documentation supplied for each flight are determined by arrangement between the operator and the Meteorological Office. In general, the pilot-in-command is provided with documentation comprising one or more fixed-time prognostic streamline/istotach/spot temperature charts of standard isobaric surfaces appropriate to the cruising level (ICAO model IS), one of fixed-time prognostic significant weather chart code form and appropriate aerodrome forecasts in TAF code form.
- 4.5 Routine aerodrome forecasts received from other Meteorological Offices are normally included in meteorological documentation without modification. When a required aerodrome forecast is not received, a provisional forecast may be issued by the Meteorological Office providing the documentation.
- ← 4.6 After documentation has been issued and until take-off (i.e. the latest ETD notified to the Meteorological Office), the Meteorological Office at Singapore Changi Airport makes available amendments to the documentation. It is the responsibility of the operator's local representative or the pilot-in-command to obtain any pre-departure amendment(s) from the Meteorological Office at Singapore Changi Airport. The pilot-in-command may request pre-departure amendment(s) through the Singapore Changi Airport Control Tower.
- 4.7 Climatological Summaries for Singapore Changi (WSSS-48698) are available from the Meteorological Service Singapore.

4.8 OBSERVING SYSTEMS AND OPERATING PROCEDURES AT SINGAPORE CHANGI AIRPORT AND SELETAR AERODROME**4.8.1 SINGAPORE CHANGI AIRPORT****4.8.1.1 RWY 02L/20R (Runway 1)**

- ← 4.8.1.1.1 Surface wind is measured by three ultrasonic wind sensors located as follows:

	<u>DIST FROM END OF RWY</u>	<u>DIST FROM RWY CENTRELINE</u>
← (i) One set at	406 metres north of RWY 02L	120 metres
← (ii) One set at	middle of runway	121 metres
← (iii) One set at	381 metres south of RWY 20R	121 metres

- 4.8.1.1.2 RVR observations are made by means of three sets of transmissometers, located as follows:

	<u>DIST FROM END OF RWY</u>	<u>DIST FROM RWY CENTRELINE</u>
← 1st set	446 metres north of RWY 02L	120 metres
← 2nd set	Middle of runway	121 metres
← 3rd set	421 metres south of RWY 20R	121 metres

- 4.8.1.1.3 RVR is reported in steps of 25 metres between 0 and 400 metres, 50 metres between 400 and 800 metres and 100 metres between 800 and 1,500 metres.

4.8.1.1.4 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 the runway 02R/20L as backup).

4.8.1.2 RWY 02C/20C (Runway 2)

4.8.1.2.1 Surface wind is measured by three cup anemometers and wind vanes located as follows:

	<u>DIST FROM END OF RWY</u>	<u>DIST FROM RWY CENTRELINE</u>
(i) One set at	450 metres north of RWY 02C	130 metres
(ii) One set at	middle of runway	130 metres
(iii) One set at	450 metres south of RWY 20C	130 metres

4.8.1.2.2 RVR observations are made by means of three sets of transmissometers, located as follows:

	<u>DIST FROM END OF RWY</u>	<u>DIST FROM RWY CENTRELINE</u>
1st set	400 metres north of RWY 02C	110 metres
2nd set	Middle of runway	110 metres
3rd set	400 metres south of RWY 20C	110 metres

4.8.1.2.3 RVR is reported in steps of 25 metres between 0 and 400 metres, 50 metres between 400 and 800 metres and 100 metres between 800 and 1,500 metres.

← **4.8.1.3 RWY 02R/20L (Runway 3)**

4.8.1.3.1 Surface wind is measured by three ultrasonic wind sensors located as follows:

	<u>DIST FROM THRESHOLD</u>	<u>DIST FROM RWY CENTRELINE</u>
(i) One set at	428 metres north of RWY 02R	132 metres
(ii) One set at	Middle of runway	121 metres
(iii) One set at	435 metres south of RWY 20L	132 metres

4.8.1.3.2 RVR observations are made by means of three sets of transmissometers, located as follows:

	<u>DIST FROM THRESHOLD</u>	<u>DIST FROM RWY CENTRELINE</u>
1st Set	421 metres north of RWY 02R	120 metres
2nd Set	Middle of runway	121 metres
3rd Set	425 metres south of RWY 20L	120 metres

4.8.1.3.3 RVR is reported in steps of 25 metres between 0 and 400 metres, 50 metres between 400 and 800 metres and 100 metres between 800 and 1500 metres.

4.8.1.4 Wind Shear Observations (Singapore Changi Airport)

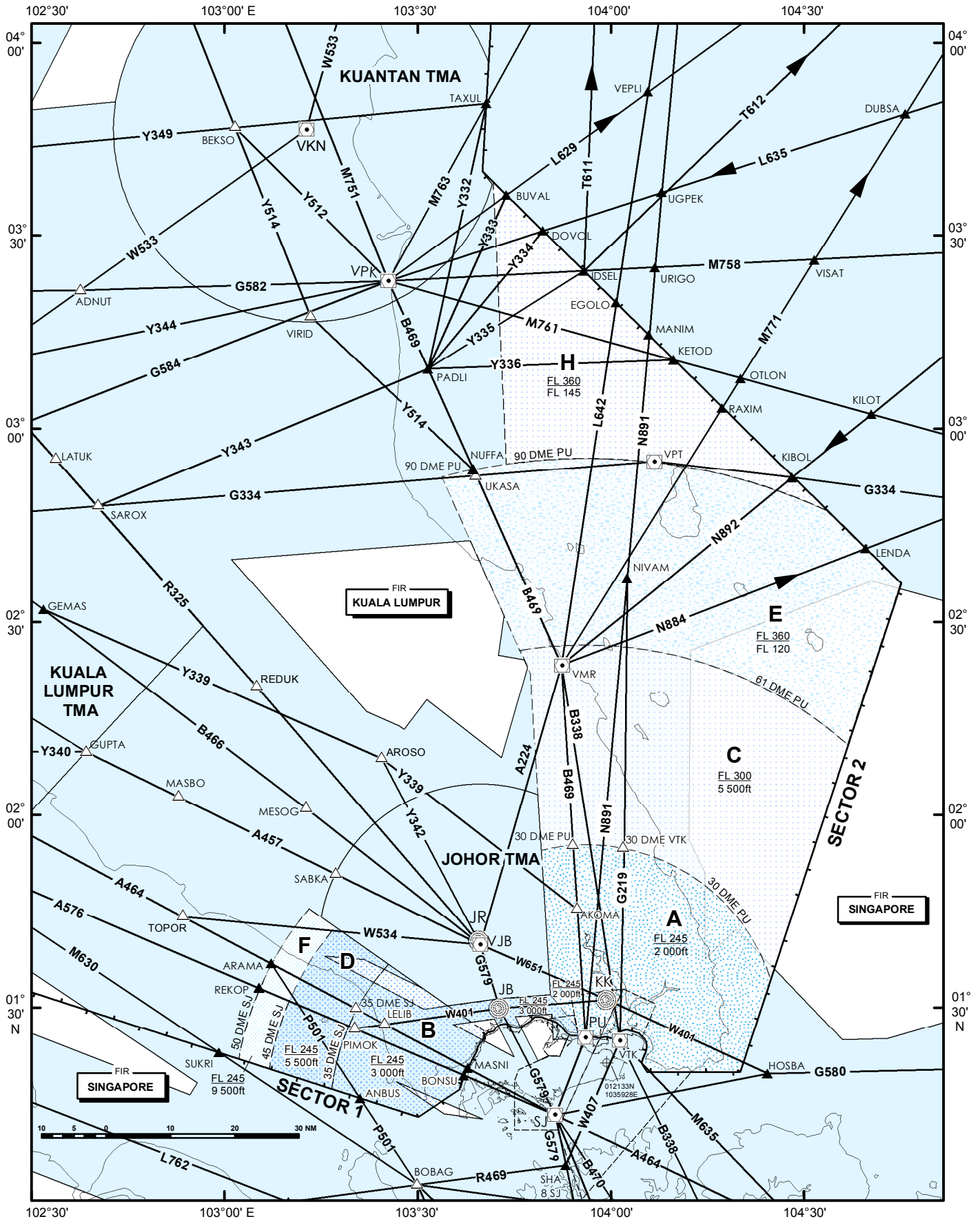
4.8.1.4.1 Horizontal low level wind shear observations are measured continuously by a system consisting of 15 surface wind sensors, MET Doppler X, S and C band weather radars and two wind lidars located in Singapore Changi airport and its vicinity.

4.8.1.4.2 ATC will pass to all aircraft taking off or landing for the next 1/2 hour from the time of report whenever microburst or wind shear of intensity 15 knots or greater is observed/reported.

4.8.1.4.3 The phraseology used by ATC to warn pilots of the presence of wind shear of intensity between 15 and 30 knots is:

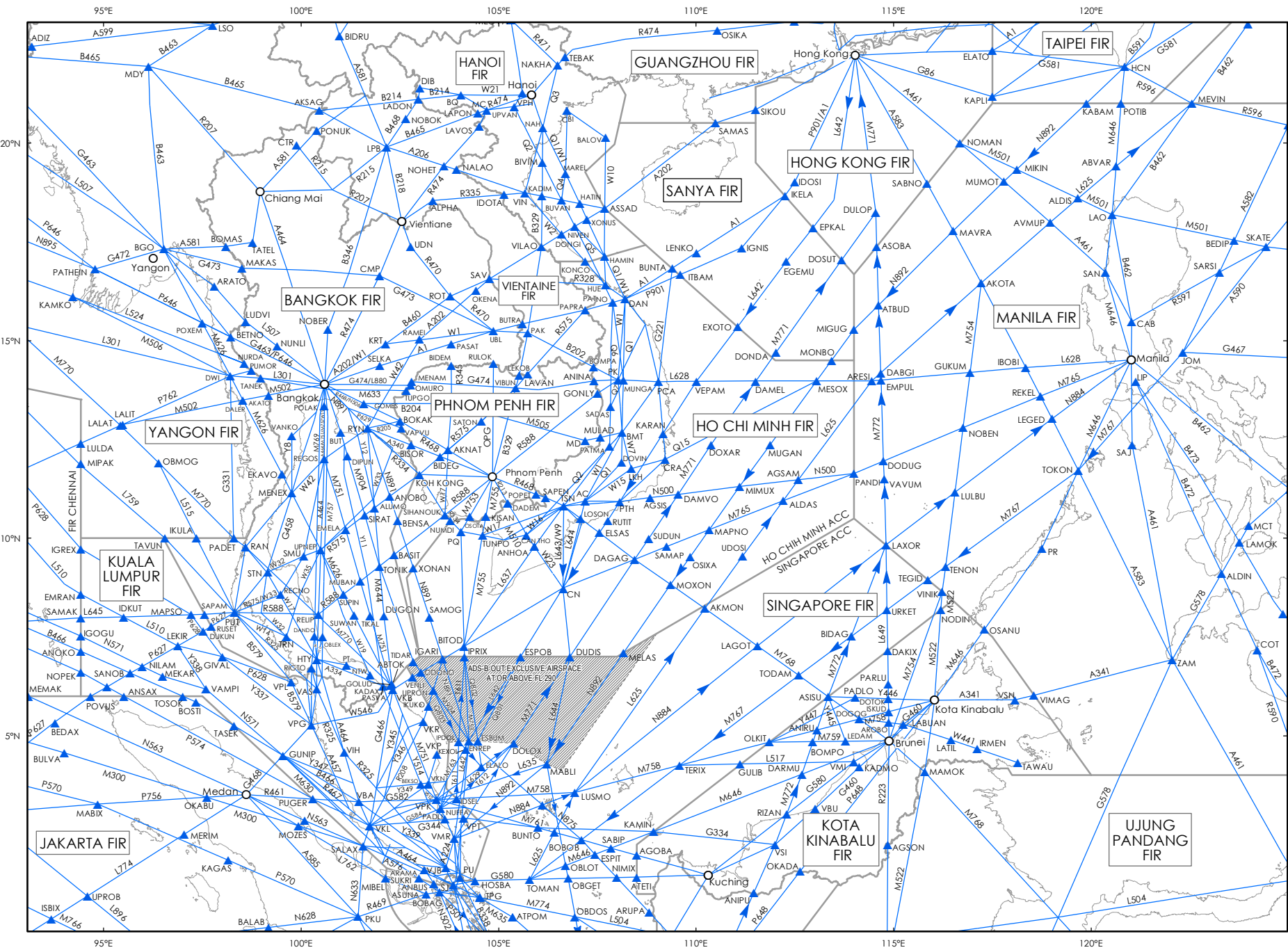
“..... (callsign) WIND SHEAR WARNING
STRONG LOW LEVEL WIND SHEAR OBSERVED IN THE VICINITY OF
CHANGI AIRPORT AT (time)”

AIRSPACE DIVISION KUALA LUMPUR/SINGAPORE AREAS CONTROL CENTRES



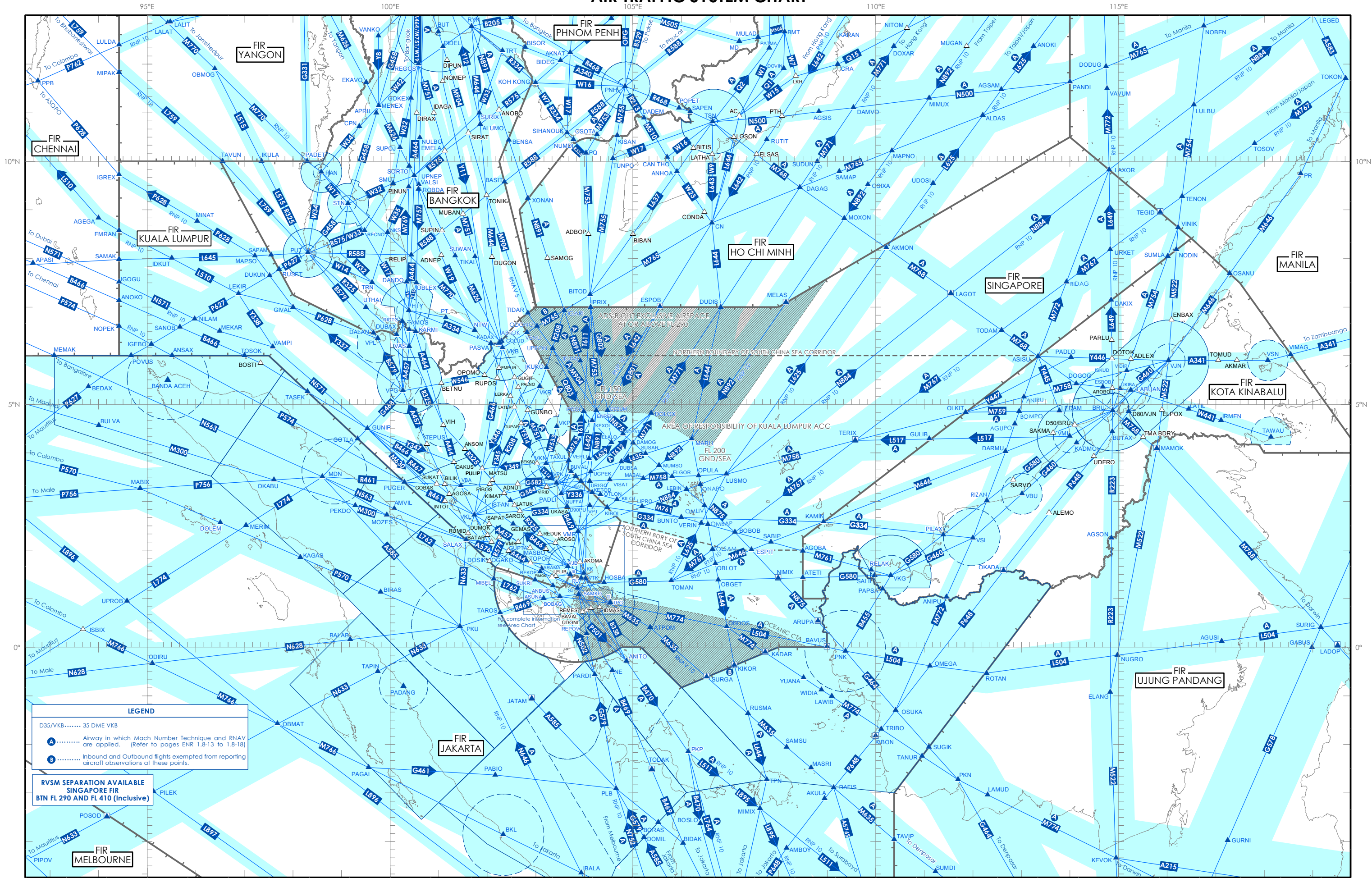
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ATS ROUTE STRUCTURE WITHIN SINGAPORE & ADJACENT FIRS



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AIR TRAFFIC SYSTEM CHART



LEGEND

D35/VKB..... 35 DME VKB

A Airway in which Mach Number Technique and RNAV are applied. (Refer to pages ENR 1.8-13 to 1.8-18)

B Inbound and Outbound flights exempted from reporting aircraft observations at these points.

RVSM SEPARATION AVAILABLE SINGAPORE FIR BTN FL 290 AND FL 410 (Inclusive)

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Route Designator {RNP Type}		[Route Usage Notes]				
Significant Point Name	Significant Point Coordinates		Upper limit Lower limit		FL series	Remarks
{RNP Type}	Initial Track MAG ↓ ↑	Great Circle Dist NM	FL 460 FL 240	Even ⁽¹⁾	Odd ⁽¹⁾	Controlling unit Frequency {Airspace class} Remarks
1	2	3	4	5	6	7
M646		Route availability: (1) H24				
▲ KAMIN (WBFC/WSJC FIR BDRY)	023442N 1085536E					
		69.6NM	FL 460 FL 240	Even ⁽¹⁾	Odd ⁽¹⁾	[Class A] (2)
▲ SABIP	020940N 1075044E					
		26.1NM	FL 460 FL 240	Even ⁽¹⁾	Odd ⁽¹⁾	[Class A] (2)
▲ ESPIT	020011N 1072624E					
		47.9NM	FL 460 FL 240	Even ⁽¹⁾	Odd ⁽¹⁾	[Class A] (2)
▲ OBLOT	014256N 1064147E					
		58.5NM	FL 460 FL 240	Even ⁽¹⁾	Odd ⁽¹⁾	[Class A] (2)
▲ TOMAN	012147N 1054717E					
<p><u>Route Remarks:</u> Lateral Limits: 25NM either side of TOMAN to KAMIN.</p> <p>ADS-C and CPDLC services are available to suitably equipped aircraft operating outside radar cover (between SABIP and KAMIN) within the Singapore FIR.</p> <p>Singapore ACC FREQ: P134.2 MHz S133.35 MHz</p> <p><u>Point/Segment Remarks:</u> (2) NIL</p>						

Route Designator {RNP Type}		[Route Usage Notes]				
Significant Point Name {RNP Type}	Significant Point Coordinates			FL series		Remarks
	Initial Track MAG ↓ ↑	Great Circle Dist NM	Upper limit Lower limit	↓	↑	Controlling unit Frequency {Airspace class} Remarks
1	2	3	4	5	6	
M753		Route availability: (1) H24				
▲ IPRIX (VVTS/WSJC FIR BDRY)	070000N 1040754E					
		127.2NM	FL 460 FL 155	Odd ⁽¹⁾	Even ⁽¹⁾	[Class A] ⁽²⁾
▲ ENREP	045223N 1041442E					
<p><u>Route Remarks:</u> Singapore ACC FREQ: P134.35 MHz S133.6 MHz</p> <p>ADS-C service is available to suitably equipped aircraft operating outside radar cover and not in the exclusive ADS-B airspace within the Singapore FIR.</p> <p><u>Lateral Limits:</u> 25NM either side of line joining ENREP to IPRIX.</p> <p><u>Point/Segment Remarks:</u> (2) NIL</p>						

Route Designator {RNP Type}		[Route Usage Notes]				
Significant Point Name	Significant Point Coordinates				Remarks	
{RNP Type}	Initial Track MAG ↓ ↑	Great Circle Dist NM	Upper limit Lower limit	FL series ↓ ↑		Controlling unit Frequency {Airspace class} Remarks
1	2	3	4	5	6	7
N891		Route availability: (1) H24				
▲ IGARI	065612N 1033506E				(6)	
		65.4NM	FL 460 FL 155	Odd ⁽¹⁾	Even ⁽¹⁾	[Class A] (2)
▲ IKUMI	055338N 1035509E				(6)	
		64.0NM	FL 460 FL 155	Odd ⁽¹⁾	Even ⁽¹⁾	[Class A] (2)
▲ ENREP	045223N 1041442E				(7)	
		75.5NM	FL 460 FL 155	Odd ⁽¹⁾	Even ⁽¹⁾	[Class A] (3)
▲ UGPEK	033647N 1040752E				(8)	
		11.7NM	FL 460 FL 155	Even ⁽¹⁾	Odd ⁽¹⁾	[Class A] (3)
▲ URIGO	032505N 1040647E				(9)	
		10.6NM	FL 460 FL 155	Even ⁽¹⁾	Odd ⁽¹⁾	[Class A] (3)
▲ MANIM (WMFC/WSJC FIR BDRY)	031431N 1040553E				(10)	
		2.6NM	FL 460 FL 155	Even ⁽¹⁾	Odd ⁽¹⁾	[Class A] (4)
▲ OBDAB	031153N 1040538E				(11)	
		106.4NM	FL 460 FL 155	Even ⁽¹⁾	Odd ⁽¹⁾	[Class A] (4)
▲ PAPA UNIFORM DVOR/DME (PU)	012523.99N 1035559.74E				(5)	
<i>Route Remarks:</i>						
ADS-C service is available to suitably equipped aircraft operating outside radar cover and not in the exclusive ADS-B airspace within the Singapore FIR						
Lateral Limits:						
5NM either side of line joining PU DVOR/DME to ENREP funnelling out at an angle of 5° from PU to 25NM of either side of track. It then continues at this width until WSJC/VVTS FIR BDRY.						
<i>Point/Segment Remarks:</i>						
(2) Segment from IGARI to ENREP use: P134.35 MHz S133.6 MHz						
(3) Segment from ENREP to MANIM use: P123.7 MHz S127.3 MHz						
(4) Segment from MANIM to PU use: P133.8 MHz S127.3 MHz						
(5) WSJC/WMFC FIR boundary approximately 0.4NM North of PU.						
(6) NIL						
(7) PU 005° 206.8NM						
(8) PU 005° 131.3NM						
(9) PU 005° 119.6NM						
(10) PU 005° 109.0NM						
(11) PU 005° 106.4NM						

Route Designator {RNP Type}		[Route Usage Notes]				
Significant Point Name {RNP Type}		Significant Point Coordinates			Remarks	
		Initial Track MAG ↓ ↑	Great Circle Dist NM	Upper limit Lower limit	FL series ↓ ↑	
1		2	3	4	5	6
7						
N892		Route availability: (1) H24				
▲ MELAS (VTS/WSJC FIR BDRY)		070518N 1080912E				
(10)			203.6NM	FL 460 FL 135		[Class A] (2) (3)
▲ MABLI		041717N 1061247E				
(10)			52.1NM	FL 460 FL 135		[Class A] (4)
▲ MUMSO		034420N 1053213E				
(10)			25.2NM	FL 460 FL 135		[Class A] (4)
▲ MABAL		032826N 1051236E				
(10)			41.4NM	FL 460 FL 135		[Class A] (4)
▲ KILOT		030217N 1044023E				
(10)			15.7NM	FL 460 FL 135		[Class A] (4)
▲ KIBOL WSJC/WMFC FIR BDRY		025229N 1042805E				
(10)			28.1NM	FL 460 FL 135		[Class A] (5)
▲ PEKLA		023437N 1040618E				
(10)			18.0NM	FL 460 FL 135		[Class A] (5)
▲ MERSING DVOR/DME (VMR)		022318N 1035218E				
<p><u>Route Remarks:</u> Lateral Limits: 10NM either side of line joining VMR DVOR/DME to KIBOL and 25NM either side of line joining KIBOL to MELAS.</p> <p>Uni-directional for south-west bound flights from MELAS to VMR. No PDC Flight Levels FL310, FL320, FL350, FL360, FL390, FL400 applicable. Other levels available with prior approval.</p> <p><u>Point/Segment Remarks:</u> (2) ADS-C service is available to suitably equipped aircraft operating outside radar cover (between MELAS and MABLI) and not in the exclusive ADS-B airspace within the Singapore FIR. (3) Segment from MELAS to MABLI use: P134.35 MHz S133.6 MHz (4) Segment from MABLI to KIBOL use: P134.7 MHz S134.15 MHz (5) Segment from KIBOL to VMR use: P133.8 MHz S127.3 MHz (6) VMR 051° 180.6NM (7) VMR 051° 128.4NM (8) VMR 051° 103.2NM (9) VMR 051° 61.8NM (10) VMR 050° 46.1NM (11) VMR 051° 18.0NM</p>						

Route Designator {RNP Type}		[Route Usage Notes]				
Significant Point Name	Significant Point Coordinates			FL series		Remarks
{RNP Type}	Initial Track MAG ↓ ↑	Great Circle Dist NM	Upper limit Lower limit	↓	↑	Controlling unit Frequency {Airspace class} Remarks
1	2	3	4	5	6	7
Q802	Route availability: (1) H24					
▲ IPRIX (VVTS/WSJC FIR BDRY)	070000N 1040754E					
		130.0NM	FL 460 FL 200	Odd ⁽¹⁾		[Class A]
▲ ESBUM	045210N 1042830E					
		39.0NM	FL 460 FL 200	Odd ⁽¹⁾		[Class A]
▲ ELALO	041240N 1043329E					
<p><i>Route Remarks:</i> Lateral Limits: 15NM either side of line joining IPRIX to ELALO</p> <p>Singapore ACC FREQ: P134.35 MHz S133.6 MHz</p>						

Route Designator {RNP Type}		[Route Usage Notes]				
Significant Point Name {RNP Type}	Significant Point Coordinates		Upper limit Lower limit	FL series		Remarks
	Initial Track MAG ↓ ↑	Great Circle Dist NM		↓	↑	Controlling unit Frequency {Airspace class} Remarks
1	2	3	4	5	6	7
Q803		Route availability: (1) H24				
▲ UPRON	060903.41N 1032039.98E					
		87.0NM	FL 460 FL 240	Odd ⁽¹⁾		[Class A]
▲ IPDOL	045111N 1035920E					
		15.0NM	FL 460 FL 200	Odd ⁽¹⁾		[Class A]
▲ KEXOL	043930N 1040942E					
		36.0NM	FL 460 FL 200	Odd ⁽¹⁾		[Class A]
▲ ELALO	041240N 1043329E					
<p><u>Route Remarks:</u> Lateral Limits: 15NM either side of line joining UPRON to ELALO</p> <p>Singapore ACC FREQ: P134.35 MHz S133.6 MHz</p>						

Route Designator {RNP Type}		[Route Usage Notes]				
Significant Point Name	Significant Point Coordinates			FL series		Remarks
{RNP Type}	Initial Track MAG ↓ ↑	Great Circle Dist NM	Upper limit Lower limit	↓	↑	Controlling unit Frequency {Airspace class} Remarks
1	2	3	4	5	6	7
T611		Route availability: (1) H24				
▲ IPRIX (VVTS/WSJC FIR BDRY)	070000N 1040754E					
		128.0NM	FL 460 FL 200		Even ⁽¹⁾	[Class A]
▲ IPDOL	045111N 1035920E					
		86.0NM	FL 460 FL 200		Even ⁽¹⁾	[Class A]
▲ IDSEL (WMFC/WSJC FIR BDRY)	032432N 1035544E					
<p><i>Route Remarks:</i> Lateral Limits: 15NM either side of line joining IDSEL to IPRIX.</p> <p>Singapore ACC FREQ: P123.7 MHz S127.3 MHz</p>						

Route Designator {RNP Type}		[Route Usage Notes]				
Significant Point Name {RNP Type}	Significant Point Coordinates		Upper limit Lower limit	FL series		Remarks Controlling unit Frequency {Airspace class} Remarks
1	Initial Track MAG ↓ ↑ 2	Great Circle Dist NM 3	4	↓ 5	↑ 6	7
T612		Route availability: (1) H24				
▲ DOLOX	044841N 1052247E					
		121.0NM	FL 460 FL 200			[Class A]
▲ IDSEL (WMFC/WSJC FIR BDRY)	032432N 1035544E					
<p><u>Route Remarks:</u> Lateral Limits: 15NM either side of line joining IDSEL to DOLOX.</p> <p>Uni-directional for north-east bound flights from IDSEL to DOLOX. No PDC Flight Levels FL310, FL320, FL350, FL360, FL390, FL400 applicable. Other levels available with prior approval.</p> <p>Singapore ACC FREQ: P123.7 MHz S127.30 MHz</p>						

<i>Name-code designator</i>	<i>Co-ordinates</i>	<i>ATS route or other route</i>	<i>Terminal Area</i>
1	2	3	4
HOSBA	011948N 1042418E	G580, W401	HLDG ID
IBIVA	011351N 1035637E		SID-WSSS
IBIXU	011621N 1035740E		SID-WSSS
IBULA	005036N 1043600E		STAR-WSSS
IDMAS	004900N 1041848E	B338	
IDSEL	032432N 1035544E	M758, T611, T612, Y335	
IDUNA	012305.80N 1035933.58E		IAC-WSSS
IDURO	012639.84N 1040103.94E		IAC-WSSS
IDVAS	012934.66N 1040217.75E		IAC-WSSS
IGARI	065612N 1033506E	R208, M765, N891	
IGNON	010847N 1041257E		STAR-WSSS
IGULA	013232.27N 1040332.66E		IAC-WSSS
IKAGO	003816N 1052931E		STAR-WSSS
IKIMA	004314N 1045500E		HLDG ID, STAR-WSSS
IKUKO	054512N 1031324E	R208	
IKUMI	055338N 1035509E	N891	
IPDOL	045111N 1035920E	Q803, T611	
IPNAK	013711.93N 1040530.83E		IAC-WSSS
IPRIX	070000N 1040754E	M753, Q802, T611	
KADAR	000647S 1074342E	M774	SID-WSSS
KAKSA	011702.58N 1035757.92E		IAC-WSSS
KAMIN	023442N 1085536E	G334, M646	
KANLA	034556N 1043606E		STAR-WSSS
KARTO	011124N 1053343E		HLDG ID, STAR-WSSS,
KASPO	011507.15N 1035709.20E		IAC-WSSS
KETOD	031042N 1040942E	M761, Y336	
KEXAS	011019N 1044818E		STAR-WSSS
KEXOL	043930N 1040942E	Q803	
KIBOL	025229N 1042805E	G334, N892	
KIKOR	002244S 1070524E	L644	
KILOT	030217N 1044023E	M761, N892	STAR-WSSS
KIMER	011105.74N 1035527.30E		IAC-WSSS
LAGOT	071632N 1113243E	M768, N884	
LAGUS	011915.29N 1035854.00E		IAC-WSSS
LAPOL	012622N 1034435E	G579	
LASIN	011538.25N 1035722.39E		IAC-WSSS
LAVAX	010950N 1042714E		HLDG ID, STAR-WSSS,

Name-code designator	Co-ordinates	ATS route or other route	Terminal Area
1	2	3	4
LAXOR	094937N 1144829E	L649, M772, N884	
LEBIN	031438N 1060604E	N875, N884	
LEDOX	011642N 1035651E		SID-WSSS
LEGOL	012053N 1034723E	G579	
LELIB	012729N 1032450E	A464, W401	SID-WSSS, STAR-WSSS
LELON	011243.51N 1035608.62E		IAC-WSSS
LEND A	024124N 1043932E	N884	
LEPNA	010648.29N 1035338.82E		IAC-WSSS
LETGO	011411N 1035548E		SID-WSSS
LIDVA	010505.67N 1035255.38E		IAC-WSSS
LIPRO	025342N 1051128E	M761, N884	
LUSMO	033341N 1065534E	L625, M758, N884	
LUXOL	011802.73N 1035823.38E		IAC-WSSS
MABAL	032826N 1051236E	M758, N892	HLDG ID, STAR-WSSS
MABLI	041717N 1061247E	L635, L644, N892	
MANIM	031431N 1040553E	N891	
MASBO	020248N 1025251E	A457	SID-WSSS
MASNI	012037N 1033746E	A464	
MELAS	070518N 1080912E	N892	
MESOG	020103N 1031240E	B466	
MIBEL	012351N 1020816E	L762	
MUMSO	034420N 1053213E	N875, N892	
NIMIX	012452N 1075926E	G580, N875	
NIVAM	023650N 1040228E	G219	
NODIN	081100N 1161142E	M522	
NOPAT	042313N 1044756E	L629, N875	
NUFFA	025341.40N 1033829.80E	Y514	
NYLON	013656.90N 1040623.80E		HLDG ID, IAC-WSSS, SID-WSSS, STAR-WSSS
OB DAB	031153N 1040538E	N891	
OB DOS	002503N 1065551E	L504, M774	STAR-WSSS
OB GET	012307N 1064531E	G580, L644	
OBLOT	014256N 1064147E	L644, M646	
ODONO	063613.82N 1030129.41E	M904	
OLKIT	045010N 1115118E	M758	
OLSAM	020059N 1063824E	L644	
OMBAP	023116N 1063242E	L644	
OMLIV	025512N 1062812E	L644	

ENROUTE CHART - ICAO

LEGEND

Aerodrome
 Name of FIR
 Name of UNL
 Lower limit
 GND/WATER
 ACC SINGAPORE

Flight Information Region (FIR)
 Name of FIR
 Name of UNL
 Lower limit
 GND/WATER
 ACC SINGAPORE

Terminal Control Area (TMA)
 Name of TMA
 Airspace Classification
 Upper limit
 Lower limit
 Radio frequency (MHz)

Control Zone (CTR)
 Name of CTR
 Airspace Classification
 Upper limit
 Lower limit
 Radio frequency (MHz)

ATS route
 Route designator
 Magnetic track
 Distance in nautical miles
 Minimum flight altitude (MSL) level
 Lower limit (FL) / Flight level
 Required navigation performance

ATS route reporting point-by-pass
 (No report is required on this route)

Reporting Point (RFP)
 Compulsory
 On Request

ATS/MET reporting point (MRP)
 Compulsory
 On Request

Restricted Airspace
 Identification of area
 Nationality letter
 Height
 FL 400
 WATER

Collocated VOR and DME navigation aids (VORDME)
 Compass rose orientation on the chart to Magnetic North

Identification for radio navigation aids (NAVAID)
 Name
 MVA/DME frequency identification code (MHz)
 Geographical coordinates in WGS84
 Elevation of DME site (to the nearest 20m)

COP at mid-point between VOR are not shown

Area Minimum Altitude (AMA)
 Each 2° quadrilateral contains an area minimum altitude (AMA) which represents the lowest altitude which may be used under instrument meteorological conditions (IMC). The AMA provides a minimum clearance of 1 000 feet (300m) above all terrain and obstacles in the quadrilateral. It is represented in thousands and hundreds of feet above mean sea level.
 Example : 3 500 feet **35**

Waypoint
 Always in which Mach Number Technique and RNAV are applied (Refer to pages ENR 1.8-13 to 1.8-18)
 Inbound and Outbound flights exempted from reporting aircraft observations at these points.

WSIC/WMFC FIR DRY REPORTING POINTS

TAKUL	03 35 50N	104 05 33E
MANIM	03 14 31N	104 05 33E
REDO	03 36 22N	104 09 42E
NIVAL	03 36 22N	104 10 42N
DOVOL	03 36 47N	104 17 38E
ISLE	03 24 52N	104 26 05E
ESGLO	03 19 34N	104 39 32E
ESGLO	03 19 34N	104 39 32E

RVSM SEPARATION AVAILABLE SINGAPORE FIR B7N FL 290 AND FL 410 (inclusive)

AIRSPACE CLASSIFICATION IN THE SINGAPORE FIR

Airspace	Levels	Classification
Controlled airspace	FL 150 to FL 460	A
Controlled airspace more than 100nm seaward from the shoreline	Surface to FL 460	A
Control Zones (CTR)	Change CTR	C
Class A CTR	Surface to upper limit	D
Class B CTR	Surface to upper limit	C
Class C CTR	Surface to upper limit	C
Class D CTR	Surface to upper limit	D
Uncontrolled airspace		G*

CAUTION
 Consult respective NOTAMS and AIPs of States concerned for the latest information and the Civil Aviation Authority of Singapore does not accept responsibility for any errors or omissions in the information shown outside of Singapore FIR

MAGNETIC INFORMATION FOR THE YEAR 2015

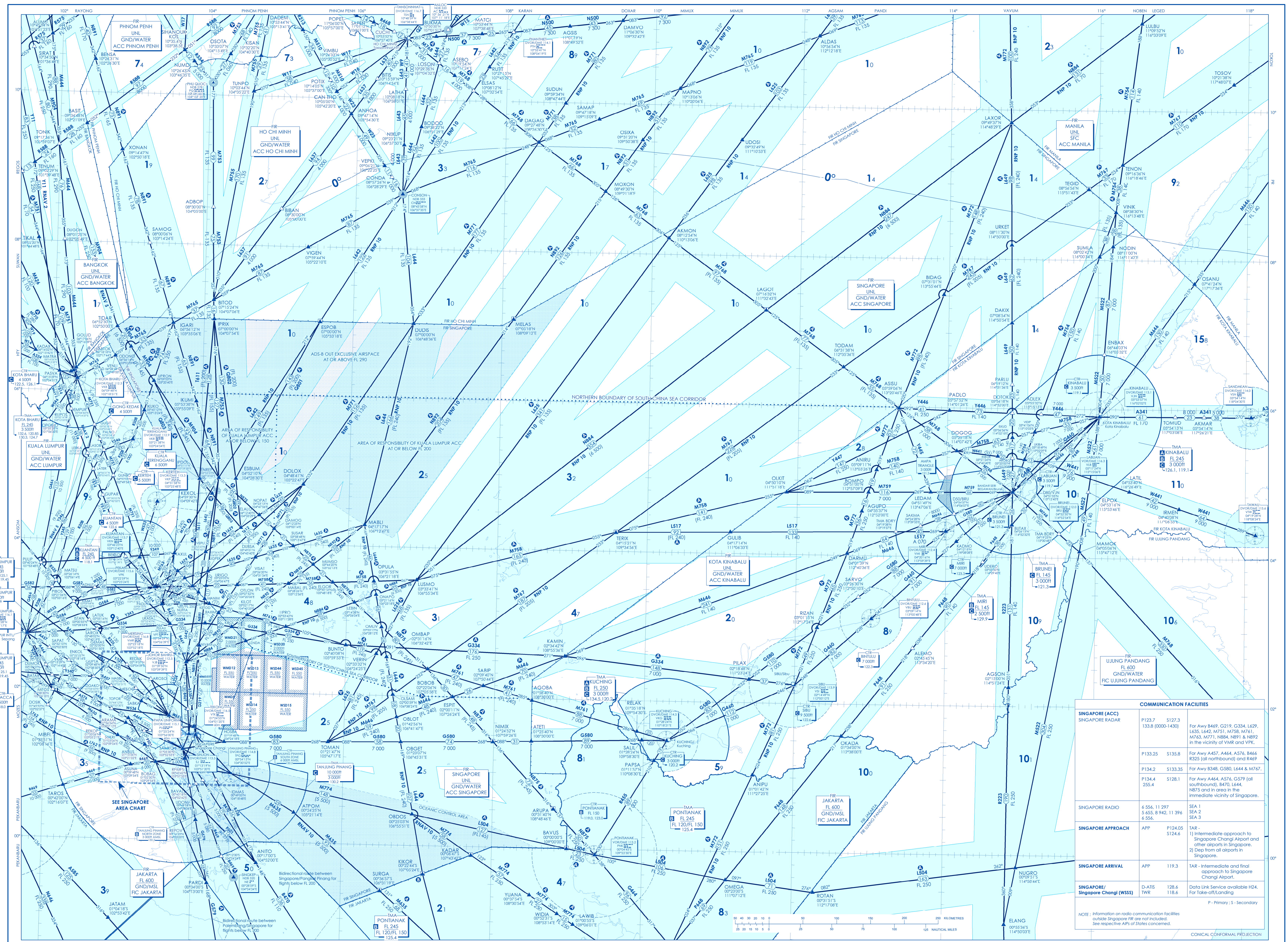
SEE SINGAPORE AREA CHART

COMMUNICATION FACILITIES

SINGAPORE RADAR	P123.7 133.8 (0000-1430)	S127.3	For Awy B469, G219, G334, L629, L635, L642, M751, M758, M761, M763, M771, N884, N891 & N892 in the vicinity of VMR and VPK.
	P133.25	S135.8	For Awy A457, A464, A466, A576, B466, R325 (all northbound) and R469.
	P134.2	S133.35	For Awy B348, G580, L644 & M767.
	P134.4	S128.1	For Awy A464, A466, G579 (all southbound), B470, L644, N875 and in area in the immediate vicinity of Singapore.
SINGAPORE RADIO	6 556, 11 297, 5 455, 8 942, 11 396, 6 556		SEA 1 SEA 2 SEA 3
SINGAPORE APPROACH	APP	P124.05	TAR - Intermediate approach to Singapore Changi Airport and other airports in Singapore. 2) Dep from all airports in Singapore.
SINGAPORE ARRIVAL	APP	M119.3	TAR - Intermediate and final approach to Singapore Changi Airport.
SINGAPORE/Singapore Changi (WSSS)	D-ATS TWR	128.6 118.6	Data Link Service available H24. For Take-off/Landing

NOTE: Information on radio communication facilities outside Singapore FIR are not included. See respective AIPs of States concerned.

P - Primary ; S - Secondary



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AERODROME CHART - ICAO

01° 21' 33"N
103° 59' 22"E

AERODROME ELEVATION 6.66m

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

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

SINGAPORE/SINGAPORE CHANGI

PAPI 3° (MEHT)*						
Pilot's eye height over the threshold when the following PAPI lights come into view.		RUNWAY				
	02L	20R	02C	20C	02R	20L
2 White lights and 2 red lights	20.0m	20.0m	19.8m	19.8m	19.7m	19.7m
3 White lights and 1 red light	24.0m	22.6m	23.7m	23.7m	23.6m	23.6m
4 White lights	26.4m	25.0m	26.2m	26.2m	26.0m	26.0m

* MEHT - Minimum Eye Height Over the Threshold.
Note: Aircraft with eye-to-wheel height greater than 8 metres are advised to fly with 2 white lights and 2 red lights visible so as to achieve sufficient wheel clearance.

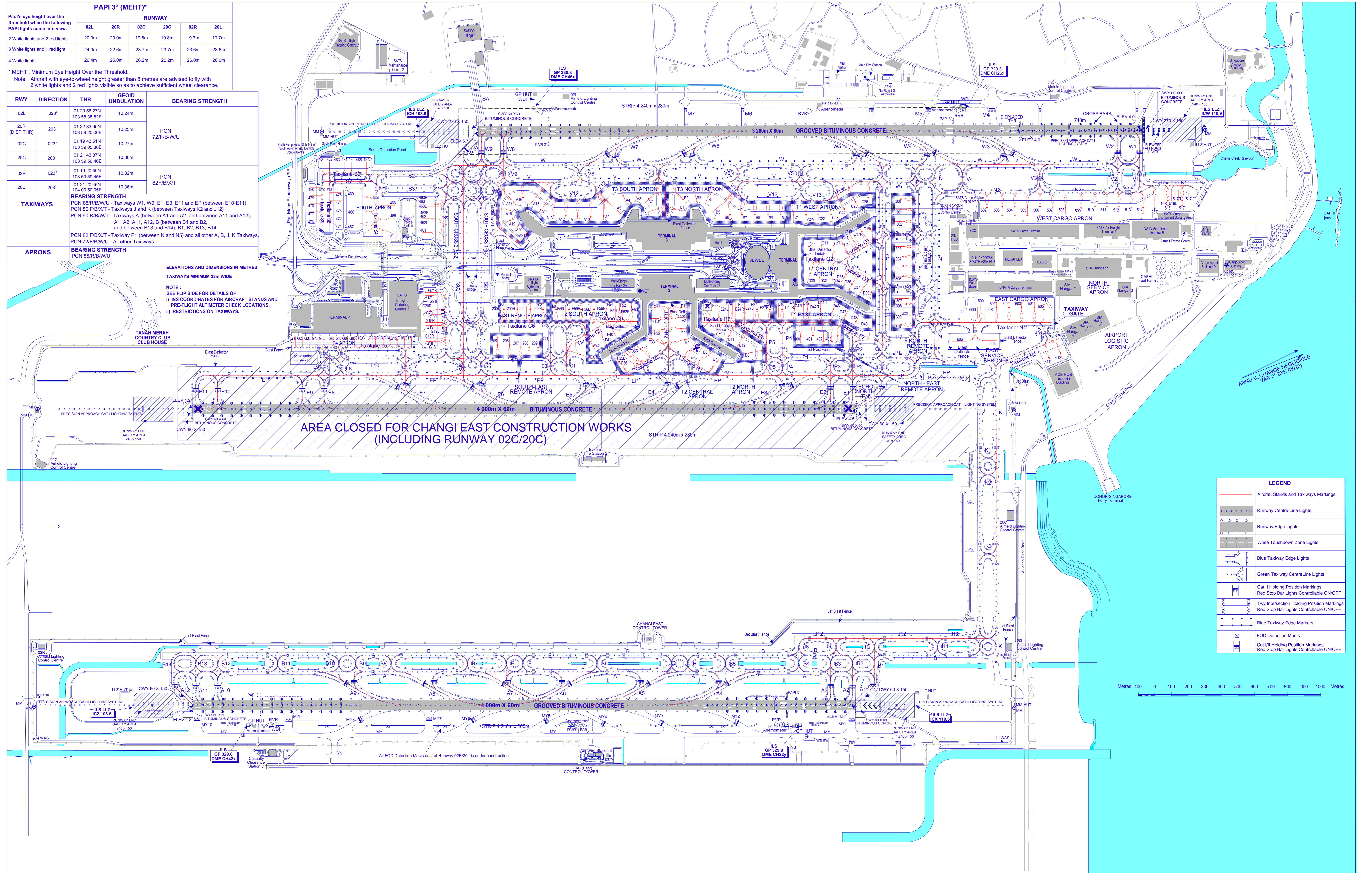
RWY	DIRECTION	THR	GEOD UNDULATION	BEARING STRENGTH
02L	023°	01 20 56.27N 103 58 38.62E	10.24m	PCN 72/F/B/W/U
20R (DISP THR)	203°	01 22 33.95N 103 59 20.06E	10.25m	
02C	023°	01 19 43.51N 103 59 05.86E	10.27m	
20C	203°	01 21 43.37N 103 59 56.46E	10.30m	
02R	023°	01 19 20.59N 103 59 59.45E	10.32m	PCN 82/F/B/X/T
20L	203°	01 21 20.45N 104 00 50.05E	10.36m	

BEARING STRENGTH
PCN 85/R/B/W/U - Taxiways W1, W9, E1, E3, E11 and EP (between E10-E11)
PCN 80 F/B/W/T - Taxiways J and K (between Taxiways K2 and J12)
PCN 90 R/B/W/T - Taxiways A (between A1 and A2, and between A11 and A12), A1, A2, A11, A12, B (between B1 and B2, and between B13 and B14), B1, B2, B13, B14.
PCN 82 F/B/X/T - Taxiway P1 (between N and N5) and all other A, B, J, K Taxiways.
PCN 72/F/B/W/U - All other Taxiways.

APRONS
BEARING STRENGTH
PCN 85/R/B/W/U

ELEVATIONS AND DIMENSIONS IN METRES
TAXIWAYS MINIMUM 23m WIDE

NOTE:
SEE FLIP SIDE FOR DETAILS OF
i) INS COORDINATES FOR AIRCRAFT STANDS AND PRE-FLIGHT ALTIMETER CHECK LOCATIONS.
ii) RESTRICTIONS ON TAXIWAYS.



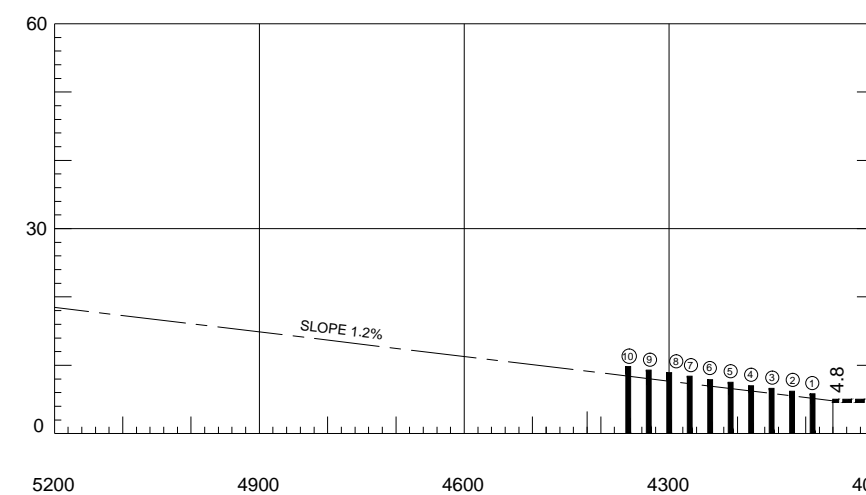
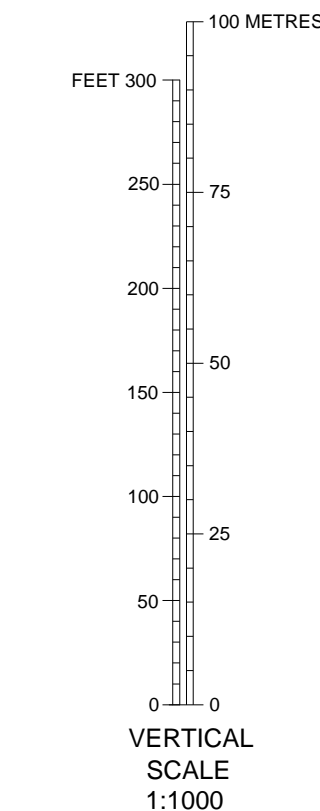
LEGEND	
	Aircraft Stands and Taxiways Markings
	Runway Centre Line Lights
	Runway Edge Lights
	White Touchdown Zone Lights
	Blue Taxiway Edge Lights
	Green Taxiway Centre Line Lights
	Cat II Holding Position Markings Red Stop Bar Lights Controllable ON/OFF
	Twy Intersection Holding Position Markings Red Stop Bar Lights Controllable ON/OFF
	Blue Taxiway Edge Markers
	FOD Detection Masts
	Cat III Holding Position Markings Red Stop Bar Lights Controllable ON/OFF

DIMENSIONS AND ELEVATIONS IN METRES

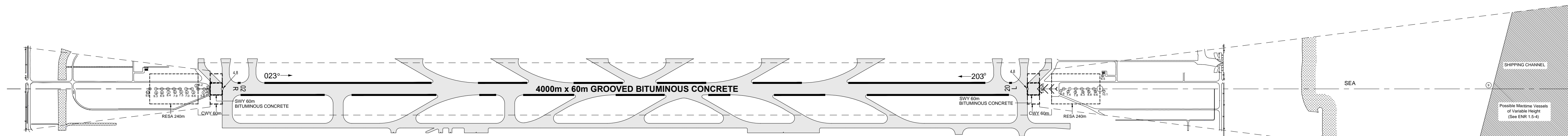
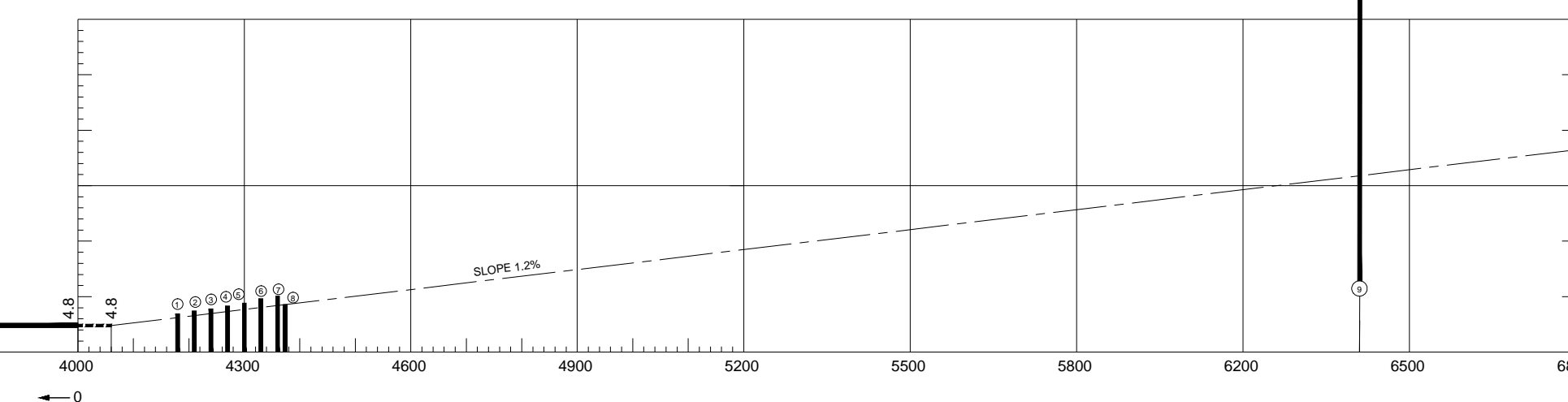
**AERODROME OBSTACLE CHART - ICAO
TYPE A (OPERATING LIMITATIONS)**

SINGAPORE/Singapore Changi

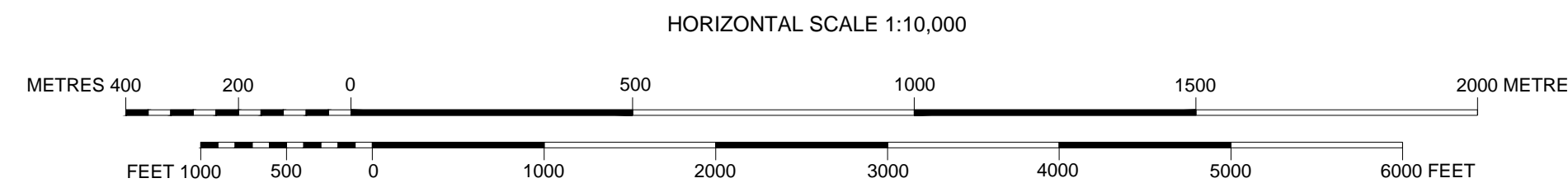
MAGNETIC VARIATION 0°23'E (2020)



RWY 02R/20L DECLARED DISTANCES		
RWY 02R		RWY 20L
4000	TAKE-OFF RUN AVAILABLE	4000
4060	TAKE-OFF DISTANCE AVAILABLE	4060
4060	ACCELERATE STOP DISTANCE AVAILABLE	4060
4000	LANDING DISTANCE AVAILABLE	4000



LEGEND	
IDENTIFICATION NUMBER	①
PRECISION APPROACH LIGHT	⊙
ANTENNA	⊖
ROAD	—
FENCE	—+—
DRAIN	▨
BUILDING	■



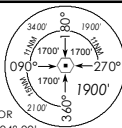
ORDER OF ACCURACY
HORIZONTAL : ±1m
VERTICAL : ±1m

AMENDMENT RECORD		
NO.	DATE	ENTERED BY

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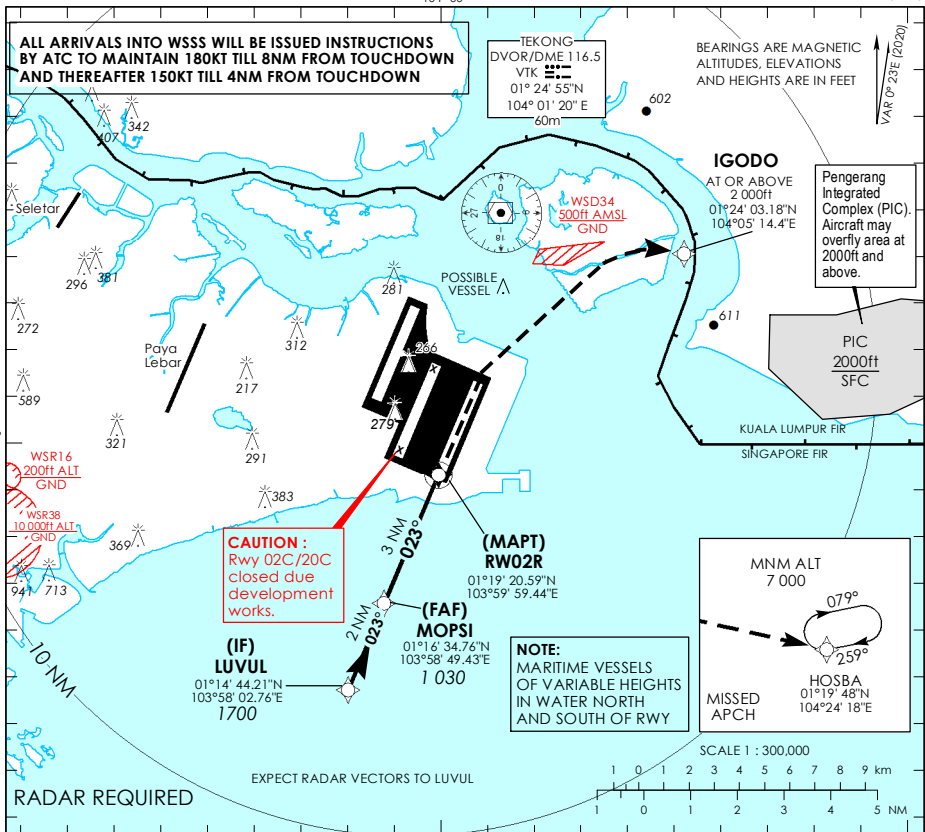
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV **22ft**
HEIGHT RELATED TO
THR RWY 02R - ELEV **16ft**

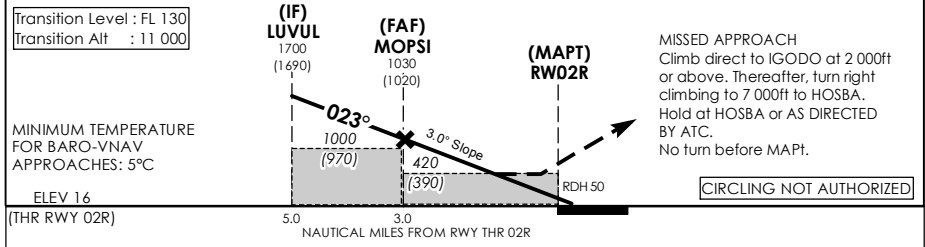


D-ATIS AP ID WSSS
128.025
APP 124.05
124.6
TWR 131.4

**SINGAPORE/
SINGAPORE CHANGI
RNP RWY 02R**



- This procedure requires a missed approach climb gradient of 5% (304 ft/NM) until passing 2,000ft. MAX IAS 185kts during turning missed approach.
- For aircraft which can only achieve a 2.5% (152 ft/NM) climb gradient, the CAT I OCA (OCH) is 820ft (800ft) and aircraft shall climb straight to 1200ft before commencing right turn climbing to 7000ft to HOSBA.



Category of Aircraft	OCA (OCH)			
	A	B	C	D
LNAV/VNAV	5%	330 (310)		
LNAV	5%	420 (390)		
Distance		LUVUL		MOPSI
Altitude (Height)		1700 (1690)		1030 (1020)
Speed	knots	70	120	150
FAF - MAPT 3.0nm	min : s *	2 : 34	1 : 30	1 : 12
Rate of descent/GS	ft/min	370	635	795

SINGAPORE CHANGI RNP-APCH RWY 02R – Approach from LUVUL

Path Terminator	Waypoint	Fly-Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA/TCH(FT)	Navigation Specification
IF	LUVUL	-	023 (023.4)	-0.4	-	-	1700+	180	-	RNP APCH
TF	MOPSI	-	023 (023.4)	-0.4	2	-	1030+	150	-	RNP APCH
TF	RW02R	Y	023 (023.4)	-0.4	3	R	-	-	-3.0° / 50	RNP APCH
DF	IGODO	-	-	-0.4	-	R	2000+	185	-	RNP APCH
TF	HOSBA	-	103 (103.4)	-0.4	-	-	7000+	-	-	RNP APCH

Waypoint Coordinates

Name	Latitude	Longitude
LUVUL (IF)	01° 14' 44.21" N	103° 58' 02.76" E
MOPSI (FAF)	01° 16' 34.76" N	103° 58' 49.43" E
RW02R	01° 19' 20.59" N	103° 59' 59.44" E
IGODO	01° 24' 03.18" N	104° 05' 14.40" E
HOSBA	01° 19' 48.00" N	104° 24' 18.00" E