REVISIONS TO SINGAPORE CHANGI AIRPORT INSTRUMENT APPROACH CHARTS (IACs) FROM DISTANCE-BASED HOLDING TO TIME-BASED HOLDING

1 INTRODUCTION

1.1 This AIP Supplement provides details on the revisions to Singapore Changi Airport IACs from distance-based holding to time-based holding. The revised IACs shall be effective from 0000UTC, 12 November 2015.

2 REVISED IACs

2.1 Reference to the list of Enroute Holdings detailed in AIP Singapore pages ENR 3.6-1 and ENR 3.6-2, the following IACs will be revised to indicate holding as time-based (see charts in the respective Appendices):

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<th>IACs to be revised</th>
<th>Appendices</th>
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<td>Appendix A-8</td>
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3 CANCELLATION

3.1 AIP Supplement 165/15 will remain current until the information is incorporated into AIP Singapore.
CHANGES: Distance-based holding revised to Time-based holding
**INSTRUMENT APPROACH CHART**

**AERODROME ELEV:** 22ft
**HEIGHT RELATED TO THR RWY 20L - ELEV 15ft**

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**Radar Required**

Bearings are magnetic altitudes, elevations and heights are in feet.

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**MOLORO 9.3 DME ILCZ**

**104° 00'**

---

**CIRCLING NOT AUTHORIZED**

---

**MILIN 7.8 DME ILCZ**

**104° 08'**

---

**SIMULTANEOUS APPROACHES AUTHORIZED WITH RWY 20R AND 20C**

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**NOTE:**

Maritime vessels of variable heights in water north and south of RWY.

---

**CAUTION:**

RWY 02/20L is solely for use by the Republic of Singapore Air Force (RSAF) Aircraft.

---

**CHANGES:**

Distance-based holding revised to time-based holding.

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**OCA (OCH)**

**D-ATIS AP ID WSSS**

**APP**

**120.3**

**TWR**

**118.6**

**118.25**

---

**TRANSITION ALT:** 11000

---

**APP:**

14 DME SJ at 4000ft or above.

---

**CHANGES:**

Distance-based holding revised to time-based holding.

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**SINGAPORE/ SINGAPORE CHANGI ILCZ ILS/DME RWY 20L**

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**SAFETY INSTRUCTIONS**

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**NOTES:**

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---

**CHANGES:**

Distance-based holding revised to time-based holding.
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 22ft
HEIGHT RELATED TO AD ELEV

SINGAPORE/ SINGAPORE CHANGI
VTK DVOR/DME
RWY 02C

DAVIS AP ID WSSS
APL 120.3
APP 119.5
TWR 118.6

MISSED APCH
NYLON
VTK R-203/ 13 DME
01°36' 57"N 104°06' 24"E

CAUTION :
Rwy 02R/20L is solely for use by the Republic of Singapore Air Force (RSAF) Aircraft

NOTE:
MARITIME VESSELS OF VARIABLE HEIGHTS IN WATER NORTH AND SOUTH OF RWY

TRANSITION LEVEL : FL 130
Transition Alt : 11 000

SINJON D VOR/013.5
01° 13' 22"N
103° 51' 16" E

FAF 13.3 DME VTK
01° 12' 40.35"N
103° 56' 07.29"E

IF 16.6 DME VTK
2 500

FAF 16.6 DME VTK
2 500

MAPT 6 DME VTK

Stepdown Fix 8 DME VTK

OCA (OCH)

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<td>410 (388)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Straight-in without stepdown fix</td>
<td>660 (638)</td>
<td></td>
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Distance 13 DME 12 DME 11 DME 10 DME 9 DME 8 DME
Altitude (Height) 2420 (2398) 2100 (2078) 1790 (1768) 1470 (1448) 1150 (1128) 830 (808)
Speed knots 70 120 150 185

FAF - MAPT 7.3nm 6' 16' 3' 39' 2' 56' 2' 23'
Rate of descent/GS ft/min 370 635 795 980

CHANGES : Distance-based holding revised to Time-based holding
INSTRUMENT APPROACH CHART - ICAO

BEARINGS ARE MAGNETIC ALTITUDES, ELEVATIONS AND HEIGHTS ARE IN FEET

SINGAPORE/ SINGAPORE CHANGI
VTK DVOR/DME
RWY 20C

103° 50'E

INSTRUMENT APPROACH
AERODROME ELEV 22ft
HEIGHT RELATED TO AD ELEV

SINJON
DVOR/DME 113.5
SJ
01° 13' 22"N
103° 51' 16"E

SCALE 1 : 400,000

Transition Level : FL 130
Transition Alt : 11 000

MISSED APPROACH
Climb to 4,000ft via VTK R-203 to ESLUX (6.7 DME VTK). At ESLUX (1,000ft or above) turn left heading 130° to intercept VTK R-158 to EXOMO (VTK R-158/22 DME) and hold or AS DIRECTED BY ATC.

MISSED APCH

ELEV 22

NAUTICAL MILES FROM VTK DVOR/DME

10 NM

FAF
2.6 DME VTK
01° 27' 19.46"N
104° 02' 18.41"E

IF 2.6 DME VTK
000

MISSED APCH
Climb to 4,000ft via VTK R-203 to ESLUX (6.7 DME VTK). At ESLUX (1,000ft or above) turn left heading 130° to intercept VTK R-158 to EXOMO (VTK R-158/22 DME) and hold or AS DIRECTED BY ATC.

MISSED APCH

OCA (OCH)

Category of Aircraft
Straight-in

Distance
2 DME
1 DME
VTK
1 DME

Altitude (Height)
1820 (1798)
1500 (1478)
1180 (1158)
860 (838)

Speed
knots
70
120
150
185

FAF - MAPT
5.6nm

min : s
4 : 48
2 : 48
2 : 15
1 : 49

Rate of descent/GS
ft/min
370
635
795
980

NOTE:

MARITIME VESSELS OF VARIABLE HEIGHTS IN WATER NORTH AND SOUTH OF RWY

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