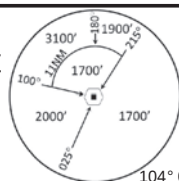
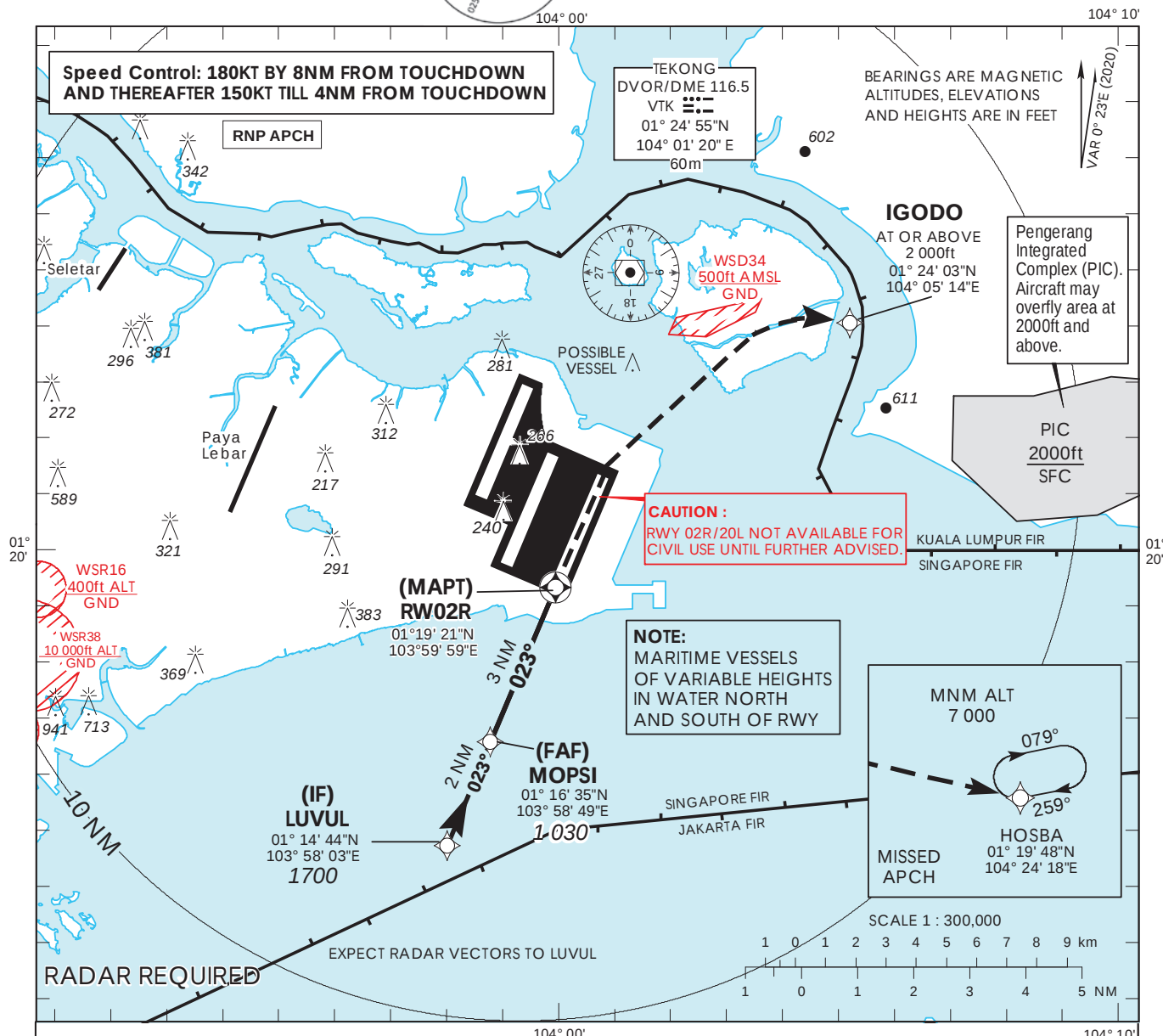


**INSTRUMENT  
APPROACH  
CHART**AERODROME ELEV **22ft**  
HEIGHT RELATED TO  
THR RWY 02R - ELEV **16ft**MSA 25 NM  
from TEKONG DVOR

|        |            |
|--------|------------|
| D-ATIS | AP ID WSSS |
| APP    | 128.025    |
|        | 124.05     |
|        | 119.3      |
| TWR    | 131.4      |

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

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

Transition Level : FL 130  
Transition Alt : 11 000MINIMUM TEMPERATURE  
FOR BARO-VNAV  
APPROACHES: 5°C

ELEV 16

(THR RWY 02R)

(IF)  
LUVUL  
1700  
(1690)(FAF)  
MOPSI  
1030  
(1020)(MAPt)  
RW02RMISSED APPROACH  
Climb direct to IGODO at 2 000ft  
or above. Thereafter, turn right  
climbing to 7 000ft or above  
to HOSBA.  
Hold at HOSBA or AS DIRECTED  
BY ATC.  
No turn before MAPt.

CIRCLING NOT AUTHORIZED

NAUTICAL MILES FROM M RWY THR 02R

|                      |           | OCA (OCH)   |        |             |        |
|----------------------|-----------|-------------|--------|-------------|--------|
| Category of Aircraft |           | 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         | 185    |
| FAF - MAPt 3.0nm     | min : s * | 2 : 34      | 1 : 30 | 1 : 12      | 0 : 58 |
| Rate of descent/GS   | ft/min    | 370         | 635    | 795         | 980    |

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               | 2.0           | -              | 1030+         | 150              | -            | RNP APCH                 |
| TF              | RW02R    | Y        | 023 (023.4)    | -0.4               | 3.0           | 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" N | 103° 58' 03" E |
| MOPSI (FAF) | 01° 16' 35" N | 103° 58' 49" E |
| RW02R       | 01° 19' 21" N | 103° 59' 59" E |
| IGODO       | 01° 24' 03" N | 104° 05' 14" E |
| HOSBA       | 01° 19' 48" N | 104° 24' 18" E |