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**AIP Supplement for
Singapore**



**AIRAC AIP SUP
172/2024**

Effective from 28 NOV 2024

PERM

Published on 17 OCT 2024

**SINGAPORE CHANGI AIRPORT – PAVEMENT CLASSIFICATION RATING (PCR)
FOR AIRCRAFT PAVEMENT STRENGTH**

1 INTRODUCTION

1.1 This AIRAC AIP Supplement is to inform airlines, aircraft operators, pilots and all relevant parties of the new pavement classification rating (PCR) for aircraft pavements at Singapore Changi Airport, effective from 28 November 2024.

2 UPDATES TO REPORTED AIRCRAFT PAVEMENT STRENGTH

2.1 The new PCR values for aircraft pavement strength will supersede the existing pavement classification number (PCN) values in AIP Singapore Section WSSS AD 2.8 (Annex A), Section WSSS AD 2.12 (Annex B) and Aerodrome Chart AD-2-WSSS-ADC-2 (Annex C) as underlined in the respective Annexes of this AIP Supplement.

3 CHANGES

3.1 Any change to the contents of this AIP Supplement will be notified through NOTAM.

3.2 This AIP Supplement will remain valid until the information is incorporated into AIP Singapore.

| | |
|---|-------------------------|
| WSSS AD 2.8 Aprons, Taxiways and Check Locations/Positions Data | Annex A |
| WSSS AD 2.12 Runway Physical Characteristics | Annex B |
| Aerodrome Chart AD-2-WSSS-ADC-2 | Annex C |

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WSSS AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

| | |
|---|--|
| 1 | <p><i>Apron surface and strength</i></p> <p>Aircraft stands C11, C16, C19, D30, D35, D38, E2, E6, E7, E10, F32, F36, F37, 301, 303, 304, 305, 307, 308, 309, 402, 403, 404, 605, 952, G1 to G17 and 471 to 487 – Concrete surface; strength PCR 680/R/B/W/U</p> <p>Aircraft stand 306 – Concrete surface; strength PCR 784/R/B/W/U</p> <p>All other aircraft stands – Concrete surface; strength PCR 1006/R/B/W/U</p> |
| 2 | <p><i>Taxiway width, surface and strength</i></p> <p>Minimum width 23m for all taxiways</p> <p><u>TWY A1, A2, A11, A12, A (between A1 and A2, and between A11 and A12), B1, B2, B13, B14, B (between B1 and B2, and between B13 and B14), C1, C2, C13, C14, C (between C1 and C2) and L (between C13 and C14), D1, D2, D13, D14, D (between D1 and D2, and between D13 and D14), T1, T2, T4, T12, T13, T (between T11 and T13), U12, U13, U (between U12 and U13), W1, W9 – Concrete surface; strength PCR 1006/R/B/W/U</u></p> <p><u>TXL U2, TWY U7 (between TWY U and TXL U2), TWY U8 (between TWY U and TXL U2), TWY U9 (between TWY U and TXL U2), TXL S6, S8, S9, TWY S7 – Asphalt surface; strength PCR 530/F/B/X/U</u></p> <p><u>All other taxiways – Asphalt surface; strength PCR 710/F/B/X/U</u></p> <p>Note: Open-air drains, demarcated by frangible poles, are installed within non-graded TWY strips at least 30m from the TWY centrelines. 0.5m-high lateral restraint at 30m east of TWY P8 and TXL N5 centreline before the open drain. 0.8m-high lateral restraints, located at 43m from the centreline of TWY G and TWY H, on the taxiway bridges.</p> |
| 3 | <p><i>Altimeter checkpoints location and elevation</i></p> <p>See AD-2-WSSS-ADC-2/ Chart (flip side) for coordinates and elevations of aircraft stands.</p> |
| 4 | <p><i>VOR checkpoint location</i></p> <p>NIL</p> |
| 5 | <p><i>INS checkpoints position</i></p> <p>See AD-2-WSSS-ADC-2/ Chart (flip side) for coordinates and elevations of aircraft stands.</p> |
| 6 | <p><i>Remarks</i></p> <p>NIL</p> |

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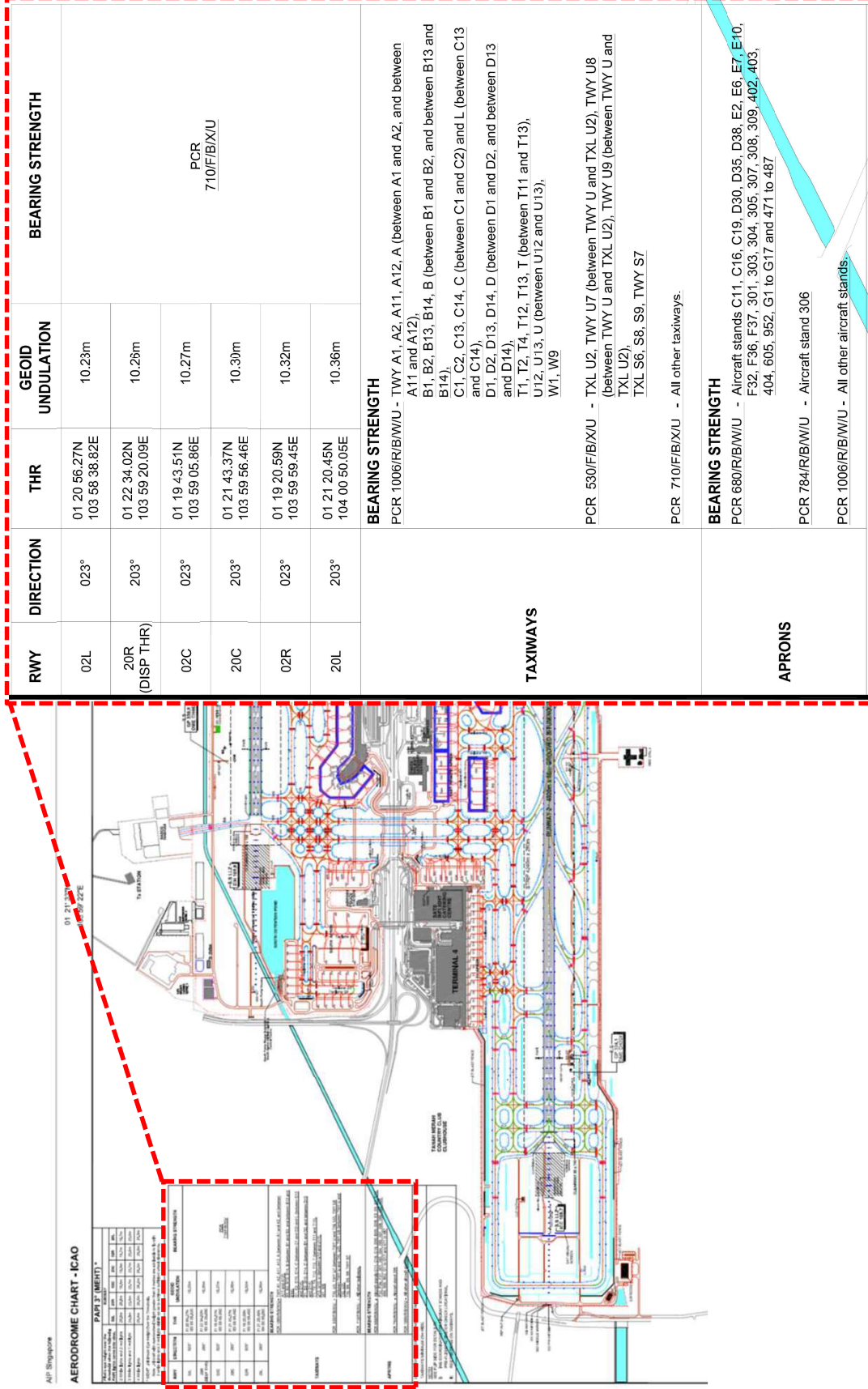
WSSS AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

| Designations RWY NR | True BRG | Dimensions of RWY | Strength (PCR) and surface of RWY and SWY | THR coordinates and RWY end coordinates (THR Geoid Undulation) | THR Elevation and highest elevation of TDZ of precision APCH RWY |
|--|-------------|----------------------|---|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 02L | 023.02° | 4000m X 60m | <u>710/F/B/X/U</u> Grooved Bituminous Concrete | THR coordinates: 012056.27N 1035838.82E RWY end coordinates: 012256.13N 1035929.42E (10.23m) | 6.64m 6.64m |
| 20R (Threshold displaced by 740m southwards) | 203.02° | 4000m X 60m | <u>710/F/B/X/U</u> Grooved Bituminous Concrete | THR coordinates: 012234.02N 1035920.09E RWY end coordinates: 012056.27N 1035838.82E (10.26m) | 3.98m 4.67m |
| 02C | 023.01° | 4000m X 60m | <u>710/F/B/X/U</u> Grooved Bituminous Concrete | THR coordinates: 011943.51N 1035905.86E RWY end coordinates: 012143.37N 1035956.46E (10.27m) | 4.80m 4.80m |
| 20C | 203.01° | 4000m X 60m | <u>710/F/B/X/U</u> Grooved Bituminous Concrete | THR coordinates: 012143.37N 1035956.46E RWY end coordinates: 011943.51N 1035905.86E (10.30m) | 4.80m 4.80m |
| 02R | 023.01° | 4000m X 60m | <u>710/F/B/X/U</u> Grooved Bituminous concrete | THR coordinates: 011920.59N 1035959.45E RWY end coordinates: 012120.45N 1040050.05E (10.32m) | 4.77m 4.77m |
| 20L | 203.01° | 4000m X 60m | <u>710/F/B/X/U</u> Grooved Bituminous concrete | THR coordinates: 012120.45N 1040050.05E RWY end coordinates: 011920.59N 1035959.45E (10.36m) | 4.71m 4.75m |

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AERODROME CHART AD-2-WSSS-ADC-2



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