Contact

Post:
REPUBLIC OF SINGAPORE
AERONAUTICAL
INFORMATION SERVICES
CIVIL AVIATION AUTHORITY
OF SINGAPORE
60 AIRPORT BOULEVARD
#04-01, CHANGI AIRPORT
TERMINAL 2
SINGAPORE 819643
Tel: (65) 6955 0400
AFS: WSSSYNYX
Fax: (65) 6441 0221
Email: caas_singaporeais@caas.gov.sg
URL: www.caas.gov.sg
URL: https://aim-sg.caas.gov.sg

AIP Supplement for Singapore

AIP SUP
065/2025
Effective from 26 MAY 2025 / 31 AUG 2027
Published on 13 MAY 2025

SINGAPORE CHANGI AIRPORT – TEMPORARY FIXED OBJECTS AT AIRCRAFT STAND 504 AND STRIPS OF RUNWAY 02L/20R, TAXIWAYS N2, W, W3, M4, AND M, USE OF SURVEY LASERS, SOLAR PANELS AND CONCRETE SLABS

1 INTRODUCTION

1.1 This AIP Supplement is to inform airport users of temporary fixed objects within the airfield and aircraft stand, the use of survey lasers, solar panels, and concrete slabs for the monitoring of ground elevation due to construction works within Singapore Changi Airport, from **26 May 2025, 0200UTC to 31 August 2027, 1600UTC.**

2 TEMPORARY FIXED OBJECTS

2.1 On the closed Aircraft Stand 504, a non-frangible steel frame supports an Automated Total Station (ATS) and will be lighted at night. Poles supporting the prisms outside the runway and taxiway strips, are non-frangible.

2.2 Towers hosting Multi Stations (MS) and poles supporting prisms (LCP and LGD), within the runway and taxiway strips, are frangible. These structures will be located more than 122 metres from Runway 02L/20R centerline and 40 metres from taxiway centrelines. Poles supporting transmitting nodes are also frangible.

2.3 Towers will be lighted at night and poles are outfitted with reflective sleeves. (Refer to **Annex A** for the locations of the instruments and **Annex B** for the full list and details of the instruments.

3 USE OF SURVEY LASERS

3.1 Class 3R rated survey lasers will be used during the operations of ATS and MS. Pilots should avoid direct eye exposures to the laser sources. Pilots are also advised that laser beams and/or dots may be visible on the pavement surface during low ambient light conditions to avoid unnecessary alarm.

4 USE OF SOLAR PANELS

4.1 Solar panels will be used to power the ATS and MS. These panels are mounted on the tower hosting MS03 and are also located near ATS016, MS01, and MS02. Pilots are advised of potential glints and glare from sun reflections.

5 LOW MASS CONCRETE SLABS

5.1 Low-mass concrete slabs, serving as multi-station monitoring points, will be installed flushed with the ground within the runway strips, glidepath critical and sensitive areas (GP CSA), and the graded strips of taxiways N2, W, W3, M4, and M. In the non-graded strips of these taxiways, the slabs will protrude 20mm above ground level. Refer to **Annex A** for the locations of the concrete slabs.

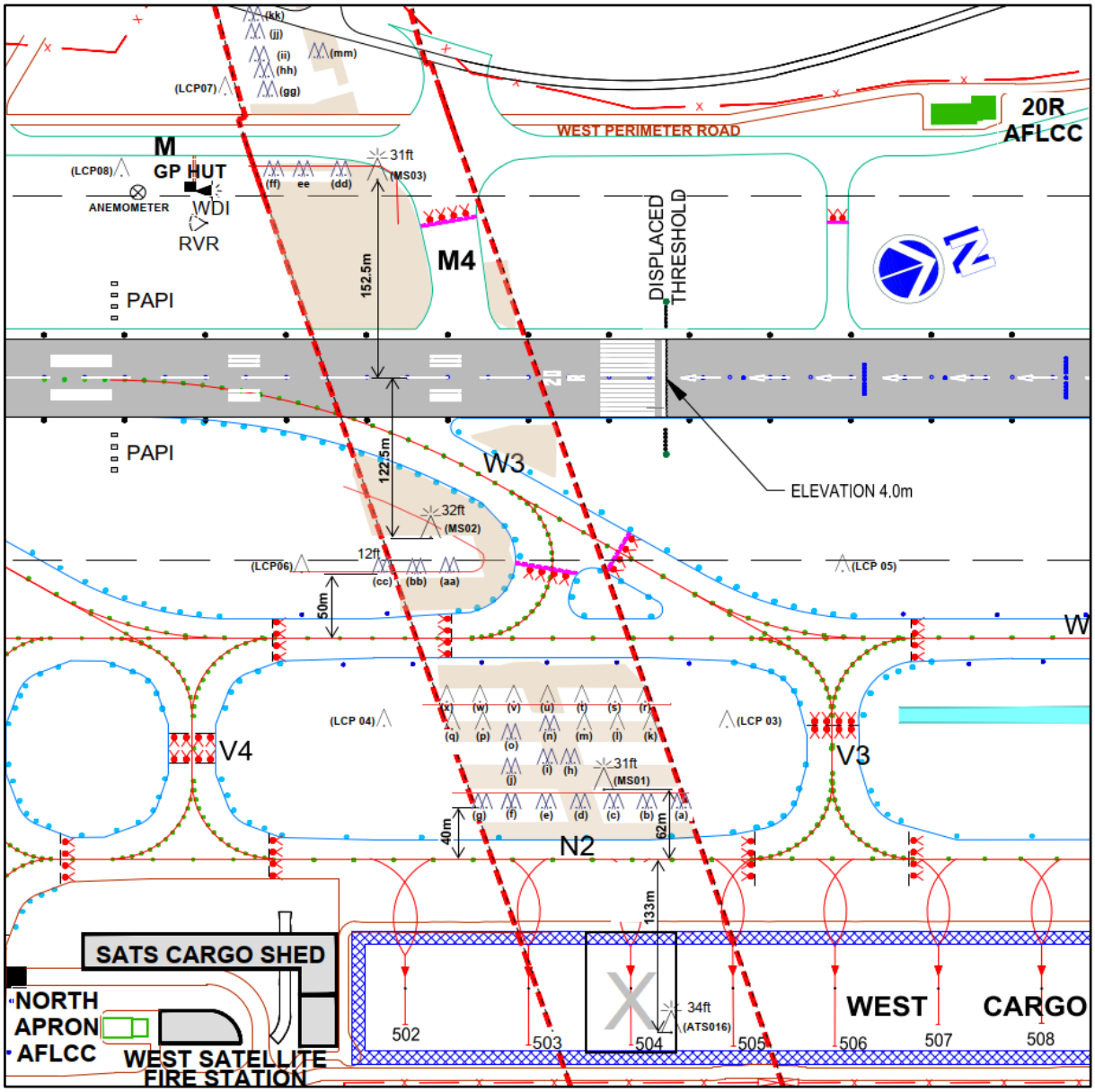
6 CHANGES

6.1 Any change to the contents of this AIP Supplement will be notified by NOTAM.

PAGE INTENTIONALLY LEFT BLANK

Annex A

ENLARGED PLAN FOR THE LOCATION OF TEMPORARY FIXED OBJECTS AND ASSOCIATED MONITORING ZONES AT AIRCRAFT STAND 504, STRIPS OF RUNWAY 02L/20R, TAXIWAYS N2, W, W3, M4, AND M AT SINGAPORE CHANGI AIRPORT



Legend:

	Lighted towers hosting ATS016, MS01, MS02 and MS03
	Unlighted, individual pole hosting prism or transmitting node
	Unlighted poles in proximity, hosting prism or transmitting node
	Areas of low mass concrete slab installation
	Monitoring zones for ground elevation
X	Closed aircraft stand 504

Publication date: 13 May 2025

PAGE INTENTIONALLY LEFT BLANK

Annex B

INFORMATION ON THE IDENTITY, TYPES, COORDINATES AND ALTITUDE OF TEMPORARY FIXED OBJECTS AT AIRCRAFT STAND 504, STRIPS OF RUNWAY 02L/20R, TAXIWAYS N2, W, W3, M4, AND M AT SINGAPORE CHANGI AIRPORT

S/N	Ident.	Equipment Types	Latitude	Longitude	AMSL (ft)	Marked as (Annex A)
1	ATS016	Automated Total Station	012227.70N	1035935.12E	34	ATS016
2	MS01	Multi Station	012228.56N	1035928.60E	31	MS01
3	MS02	Multi Station	012227.20N	1035921.52E	32	MS02
4	MS03	Multi Station	012229.49N	1035912.83E	31	MS03
5	LCP03	Prisms – on drain	012231.94N	1035928.64E	12	LCP03
6	LCP04	Prisms – on drain	012224.30N	1035925.39E	12	LCP04
7	LCP05	Prisms – on drain	012236.05N	1035926.17E	14	LCP05
8	LCP06	Prisms – on drain	012223.95N	1035921.10E	13	LCP06
9	LCP07	Prisms – on turf	012226.96N	1035909.45E	11	LCP07
10	LCP08	Prisms – on drain	012223.85N	1035910.33E	12	LCP08
11	LGD7-01	Prism – on drain	012226.96N	1035909.45E	14	(a)
12	LGD7-02	Prism – on drain	012230.19N	1035930.11E	14	(b)
13	LGD7-03	Prism – on drain	012228.63N	1035929.44E	14	(c)
14	LGD7-04	Prism – on drain	012227.89N	1035929.12E	14	(d)
15	LGD7-05	Prism – on drain	012227.13N	1035928.81E	14	(e)
16	LGD7-06	Prism – on drain	012226.33N	1035928.45E	14	(f)
17	LGD7-07	Prism – on drain	012225.64N	1035928.17E	14	(g)
18	LGD8-01	Prism – on drain	012225.64N	1035928.17E	14	(a)
19	LGD8-02	Prism – on drain	012230.36N	1035930.02E	14	(b)
20	LGD8-03	Prism – on drain	012228.63N	1035929.41E	14	(c)
21	LGD8-04	Prism – on drain	012227.89N	1035929.10E	14	(d)
22	LGD8-05	Prism – on drain	012227.13N	1035928.78E	14	(e)
23	LGD8-06	Prism – on drain	012226.35N	1035928.40E	14	(f)
24	LGD8-07	Prism – on drain	012225.63N	1035928.15E	14	(g)
25	Node 1	Transmitting Node	012227.99N	1035927.94E	14	(h)
26	Node 2	Transmitting Node	012227.61N	1035927.78E	14	(i)
27	LGD9-01	Prism – on drain	012226.76N	1035927.57E	13	(j)
28	LGD9-02	Prism – on drain	012226.72N	1035927.56E	13	(j)
29	LGD10-01	Prism – on drain	012227.08N	1035926.83E	13	(o)
30	LGD10-02	Prism – on drain	012227.03N	1035926.81E	13	(o)
31	LGD11-01	Prism – on drain	012230.30N	1035927.86E	12	(k)
32	LGD11-02	Prism – on drain	012229.54N	1035927.55E	12	(l)
33	LGD11-03	Prism – on drain	012228.79N	1035927.24E	12	(m)
34	LGD11-04	Prism – on drain	012228.05N	1035926.91E	12	(n)
35	Node 3	Transmitting Node	012228.02N	1035927.13E	14	(n)
36	LGD11-05	Prism – on drain	012227.30N	1035926.60E	12	(o)
37	LGD11-06	Prism – on drain	012226.55N	1035926.29E	12	(p)
38	LGD11-07	Prism – on drain	012225.82N	1035925.92E	12	(q)
39	LGD12-01	Prism – on drain	012230.35N	1035927.50E	12	(r)
40	LGD12-02	Prism – on drain	012229.60N	1035927.19E	12	(s)
41	LGD12-03	Prism – on drain	012228.85N	1035926.88E	12	(t)
42	LGD12-04	Prism – on drain	012228.10N	1035926.57E	12	(u)
43	LGD12-05	Prism – on drain	012227.35N	1035926.26E	12	(v)
44	LGD12-06	Prism – on drain	012226.60N	1035925.95E	12	(w)
45	LGD12-07	Prism – on drain	012225.85N	1035925.64E	12	(x)
46	LGD13-01	Prism – on drain	012227.26N	1035922.55E	13	(aa)
47	LGD13-02	Prism – on drain	012226.51N	1035922.23E	13	(bb)
48	LGD13-03	Prism – on drain	012225.76N	1035921.91E	13	(cc)
49	LGD14-01	Prism – on drain	012227.28N	1035922.50E	13	(aa)
50	LGD14-02	Prism – on drain	012226.53N	1035922.18E	13	(bb)
51	LGD14-03	Prism – on drain	012225.78N	1035921.87E	13	(cc)
52	LGD15-01	Prism – on drain	012228.77N	1035912.48E	13	(dd)
53	LGD15-02	Prism – on drain	012227.91N	1035912.12E	13	(ee)
54	LGD15-03	Prism – on drain	012227.17N	1035911.80E	13	(ff)
55	LGD16-01	Prism – on drain	012228.80N	1035912.42E	13	(dd)
56	LGD16-02	Prism – on drain	012227.94N	1035912.06E	13	(ee)
57	LGD16-03	Prism – on drain	012227.19N	1035911.74E	13	(ff)
58	LGD17-01	Prism – on drain	012227.67N	1035910.33E	12	(gg)
59	LGD17-02	Prism – on drain	012227.91N	1035909.86E	12	(hh)
60	LGD17-03	Prism – on drain	012228.10N	1035909.22E	12	(ii)
61	LGD17-04	Prism – on drain	012228.25N	1035908.49E	12	(jj)
62	LGD17-05	Prism – on drain	012228.37N	1035907.91E	12	(kk)
63	LGD18-01	Prism – on drain	012227.63N	1035910.22E	12	(gg)
64	LGD18-02	Prism – on drain	012227.88N	1035909.85E	12	(hh)
65	LGD18-03	Prism – on drain	012228.07N	1035909.21E	12	(ii)
66	LGD18-04	Prism – on drain	012228.22N	1035908.48E	12	(jj)
67	LGD18-05	Prism – on drain	012228.34N	1035907.89E	12	(kk)
68	Node 4	Transmitting Node	012229.55N	1035909.69E	13	(mm)
69	Node 5	Transmitting Node	012229.20N	1035909.54E	13	(mm)

Publication date: 13 May 2025

PAGE INTENTIONALLY LEFT BLANK