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AIP Supplement for Singapore

**AIP SUP****139/2023****Effective from 30 NOV 2023****/ 28 FEB 2025****Published on 19 OCT 2023**

SINGAPORE CHANGI AIRPORT – STEEL AND FRANGIBLE FRAMES AND FRANGIBLE POSTS

1 INTRODUCTION

1.1 This AIP Supplement serves to inform airport users of installations of steel and frangible frames and five frangible posts within the airfield and use of survey lasers for the monitoring of ground conditions due to construction works within Singapore Changi Airport, effective from **30 November 2023, 0200UTC** to **28 February 2025, 1100UTC**.

2 STEEL AND FRANGIBLE FRAMES

2.1 Two steel frames (TS8 and TS9) and six frangible frames (TS2, TS3, TS4, TS5, TS6 and TS7) with Automated Total Stations mounted on top will be erected at the following locations more than 51m from Taxiway N4 and N5 centreline. Frangible frames will be marked and lighted at night.

ID	Latitude Coordinates	Longitude Coordinates	AMSL (ft)
TS2	012219.0N	1040001.3E	21
TS3	012217.2N	1040001.3E	23
TS4	012219.6N	1035958.0E	20
TS5	012217.9N	1035958.7E	20
TS6	012221.6N	1035956.7E	20
TS7	012219.5N	1035955.9E	20
TS8	012222.1N	1035952.9E	33
TS9	012222.5N	1035952.3E	34

2.2 During the operations of the Automated Total Stations, construction survey lasers will be used to measure taxiway pavement elevation. To avoid unnecessary alarm, pilots are advised on the possible sighting of the laser beam and/or dots on the pavement surface during low ambient light conditions.

3 FRANGIBLE POSTS

3.1 Five frangible posts with instrument nodes mounted will be erected at the following locations more than 69m and 57m from Taxiway N4 and N5 centreline respectively. All the posts will be marked.

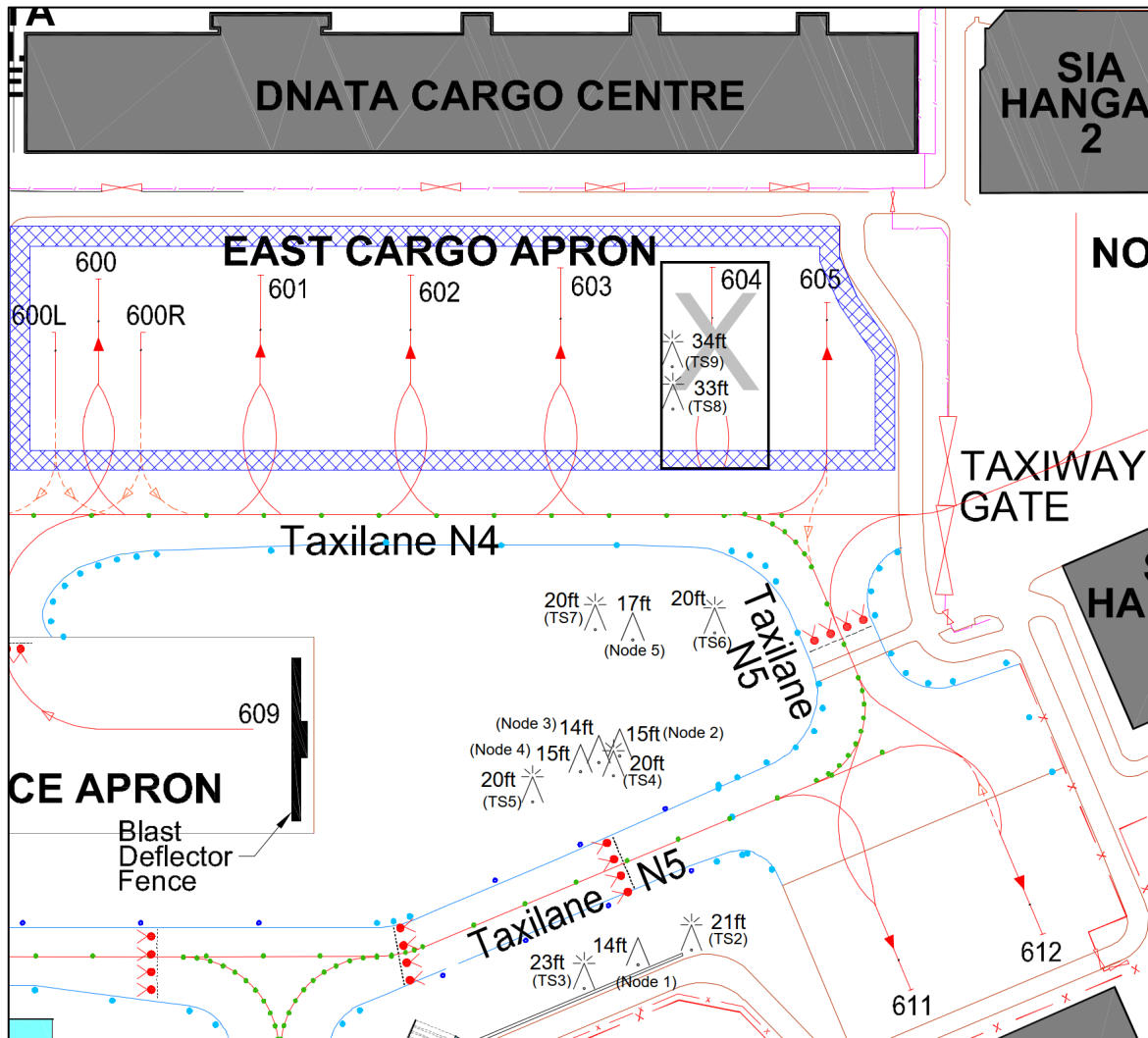
ID	Latitude Coordinates	Longitude Coordinates	AMSL (ft)
Node 1	012220.1N	1035956.6E	14
Node 2	012219.5N	1035957.6E	15
Node 3	012219.9N	1035957.6E	14
Node 4	012219.0N	1035957.6E	15
Node 5	012217.5N	1040001.5E	17

3.2 The locations of the TS and Nodes are shown in Annex A.

Location of steel and frangible frames and frangible posts at East Cargo Apron [Annex A](#)

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Location of steel and frangible frames and frangible posts at East Cargo Apron



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