

ENR 5.3 OTHER ACTIVITIES OF A DANGEROUS NATURE AND OTHER POTENTIAL**HAZARDS****1 OTHER ACTIVITIES OF A DANGEROUS NATURE****1.1 Weather Balloons**

1.1.1 Balloons will be released for MET observation at the Centre for Climate Research Singapore, Upper Air Observatory (012025N 1035317E).

1.1.2 At Upper Air Observatory, balloons will be released daily at 2330UTC and 1040UTC. Cut-off timings for the release are at 0030UTC and 1230UTC respectively.

Rate of ascent of balloon: 320m per minute.

Maximum height of balloon: 115 000ft (35 000m).

Colour of balloon: uncoloured.

Diameter of balloon: 162cm.

The balloon is attached with radiosonde equipment.

Weight of radiosonde equipment: 130g.

Payload (radiosonde plus parachute): 170g.

Size of radiosonde equipment: 145mm x 63mm x 46mm.

The balloon will burst 1.5 to 2 hours after release and radiosonde equipment will descend within 60NM radius.

1.1.3 At Upper Air Observatory, a balloon will be released between 2330UTC and 0030UTC on either the 3rd or 4th week of the month.

Rate of ascent of balloon: 320m per minute.

Maximum height of balloon: 115 000ft (35 000m).

Colour of balloon: uncoloured.

Diameter of balloon: 191cm.

The balloon is attached with ozonesonde/radiosonde equipment and parachute.

Payload (ozonesonde/radiosonde equipment with parachute): 910g.

Size of ozonesonde equipment box: 191mm x 191mm x 254mm.

Size of radiosonde equipment: 145mm x 63mm x 46mm.

The balloon will burst 1.5 to 2 hours after release. Equipment will descend within 60NM radius.

2 OTHER POTENTIAL HAZARDS**2.1 Pengerang Integrated Complex (PIC)**

2.1.1 Malaysia's Pengerang Integrated Complex is located in the vicinity of WSSS, in Pengerang, Johor.

2.1.2 Refer to AIP Malaysia "Pengerang Integrated Complex Safety Area". Bounded area (SFC to 2,000ft) contains a petrochemical refinery plant with LNG storage tanks, plants, gas stacks and flares which could extend up to a height of 1,500ft AMSL. Aircraft may overfly the area at 2,000ft and above.

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