

ENR 5.3 OTHER ACTIVITIES OF A DANGEROUS NATURE AND OTHER POTENTIAL HAZARDS

ENR 5.3.1 OTHER ACTIVITES OF A DANGEROUS NATURE

Nil INFO AVBL

ENR 5.3.2 OTHER POTENTIAL HAZARDS

5.3.2.1- Meteorological sounding balloons

Over the territory of the Republic of Namibia, Namibia Meteorological Service, Section Weather Forecasting, carry out routine upper air soundings of the atmosphere by means of meteorological balloons. These meteorological balloons with the attached radiosonde measure temperature, relative humidity, pressure, wind speed and direction on ascent and free-fall as the balloon bursts approximately 30 km above the surface.

According to specifications given in [ENR 5.3.2.1.1](#) below used meteorological balloons and respective radio sondes fall into the “light” category of unmanned free balloons. These balloons, used exclusively for meteorological purposes, are perceived by ICAO as posing little risk to aircraft and therefore notification and coordination between the operator of meteorological balloons and the appropriate ATS authority is required.

5.3.2.1.1 Sites of release, vertical limit, schedule (standard times of releases), specifications of sondes and balloons

Station Name	Windhoek
Latitude:	22 56 88S
Longitude:	017 09 10E
Elevation:	1720 M
Vertical limit:	100 000 FT (30 KM)
Schedule:	1000, 2200 UTC - daily
Radiosonde (standard)	
Dimensions:	235 x 70 x 30 mm (L x W x H)
Mass:	80 g
Meteorological balloon Parachute	
Dimensions:	up to 190 x 190 x 260 mm
Mass:	80 g

Material:	White Tyvek canopy with cotton rope Lines
Shroud Line (8 lines)	60 cm
Canopy Diameter	85 cm
Plastic String Unwinder	
Load Capacity	60g up to 200g
String	100% virgin cotton
Length	30 m
Balloon:	
Fuel used	Hydrogen or helium filled
Colour	off-white
Mass	300 g

5.3.2.1.2 Procedures concerning special cases of releases of sounding balloons

Special cases of releases of Meteorological balloons, e.g. when making special observations, are notified by NOTAM.