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OPERATION OF UNMANNED WEATHER BALLOONS

1. INTRODUCTION

1.1 Department of Meteorology releases meteorological balloons in two categories namely Pilot balloons (red color) and Radar balloons (white color) ,to collect upper air data for weather forecasting and warning activities in the department according to the standards stipulated by World Meteorological Organization.

1.2 The direction and the speed of movement of weather balloons are dependent upon the prevailing wind conditions of the atmospheric layers that the balloon is traversing through, during its ascent. Depending on the atmospheric conditions encountered and physical characteristics of the balloon, the duration that the balloon remains in the air varies, but it will be less than one and half hours.

1.3 These kind of balloon observations are made approximately at the same time as a practice at number of meteorological stations in the South Asia.

1.4

Lateral Limits Coordinates	Vertical Limits	Advisory Measures	Authority Responsible for INFO	Remarks
1	2	3	4	5
<u>Pilot Balloon</u> Colombo 065400.0N 0795201.2E Mannar 083820.0N 0811210.8E Trincomalee 085858.8N 0795501.0E	Up to 13000M	Weight : 30±2g Neck Length : 6-8cm Diameter after filling : 50cm -55cm Free Lift : 60g Rate of Ascent :150m/min Shape : Spherical(After filling H ₂) Colour: Red	Director General Department of Meteorology, Bauddaloka Mawatha, Colombo-07 Sri Lanka Phone : +94 -11-2694104	<u>Launching Time</u> Daily 0000 UTC and 1200 UTC Tuesday, Thursday , Saturday and Sunday 0600 UTC (Duration 1 ½ hours from launching time)

<u>Radiosonde Balloon</u> Colombo 065400.0N 0795201.2E	Up to 21000M	Weight : 200±10g Neck Length : 14cm Diameter after filling :120cm Free Lift : 500g Rate of Ascent :300m/min Shape : Spherical(After filling H ₂) Colour: White	Director General Department of Meteorology, Bauddaloka Mawatha, Colombo-07 Sri Lanka Phone : +94 -11-2694104	Monday, Wednesday, Friday 0600 UTC (Duration 1 ½ hours from launching time)
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2. CANCELLATION

This AIP SUP is effective on receipt and shall remain current until above information be incorporated in the AIP.

Capt. THEMIYA ABEYWICKRAMA
DIRECTOR GENERAL OF CIVIL AVIATION & CEO
CIVIL AVIATION AUTHORITY OF SRI LANKA