

Supplement 1 – Tethered Flying

1.1 General Information.

This supplement is issued to cover additional actions to be taken to safely and efficiently tether fly an Ultramagic Hot air balloon.

1.2 Limitations

The following table shows the surface wind speed limitations depending on envelope volume:

- **Up to 120.000 ft³ (included): 15 knots (10 knots with passengers)**
- **Greater than 120.000 and up to 180.000 ft³ (incl.): 9 knots**
- **Greater than 180.000 and up to 275.000 ft³ (incl.): 5 knots**
- **Greater than 275.000 ft³: Calm**

An area of at least the radius of the height of the balloon plus the length of the tether line should be allowed for a good margin of safety.

1.3 Emergency Procedures

No change

1.4 Normal Procedures

All equipment must be checked carefully before the flight.

The balloon should be attached by two ropes forming a V on the upwind side and two more ropes on the downwind side.

The use of a V bridle, or linked straps, on the upwind side is recommended in order to spread the load between two points on the load frame.

The tethers should either be connected through the karabiners connecting the envelope, or through the eyes on the burner frame designed for the purpose.

Check that the tether points are absolutely secure.

The height to which the balloon is able to rise should be decreased if the wind increases.

1.5 Loading

No change

1.6 Balloon and Systems Description

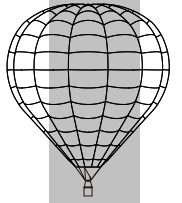
No change

1.7 Balloon Maintenance, Handling and Care

No change

1.8 Other Manufacturers Equipment

No change



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