# LINDSTRAND BALLOONS LTD

## FLIGHT MANUAL SUPPLEMENT NO. 1.35

## SPECIAL SHAPED ENVELOPE - LBL ORIENTAL DUCK

SECTION 1 - OPERATIONAL LIMITATIONS

1.1.6 Wind Speed

Add the following:

The maximum surface wind speed for take off and landing of the Lindstrand Balloons Ltd Oriental Duck special shaped hot air balloon, is 10 knots.

1.1.8 Ascent/Descent Speed

Add the following:

The maximum recommended rate of climb and descent for the LBL Oriental Duck special shaped balloon is 3.5 m/s (700 ft/min).

1.5.1 Maximum Weight

TABLE 1

Add the following:

| Balloon Type | Nominal Volume | | FAI Class | Maximum Weight | | Envelope Weight | |
|---|---|---|---|---|---|---|---|
| | cu.m. | cu.ft. | | kg | lbs | kg | lbs |
| LBL Oriental Duck | 2973 | 105,000 | AX8 | 1050 | 2310 | 272 | 598 |

1.5.3 Payload Calculation

Add the following:

Calculation of the payload for the LBL Oriental Duck special shaped balloon is identical to the procedure described. The conversion of the lift per unit volume figure, found from the load charts, into a gross lift figure is achieved by multiplying by the nominal volume given above.

SECTION 2 - NORMAL PROCEDURES

2.2.2 Cold Inflation

Add the following:

Ensure that the 16 deflation vents are closed. These are situated as follows: 3 in each wing, 1 in the button on the forehead, 5 in the petals of the flower and 4 in the lower feet square section.

2.3.2 In-Flight Control

Add the following:

A vent is provided for in-flight venting. This is operated by pulling on the candy stripe line to open.

2.3.4 Landing

Final deflation is achieved by pulling the candy stripe line, which will operate the parachute deflation system.