



MAINTENANCE SCHEDULE APPROVAL - BALLOONS

Pursuant to the Air Navigation Order for the time being in force, the Civil Aviation Authority (CAA) hereby approves, subject to the conditions hereto, the following Maintenance Schedule:

CAA Approval Reference: **MS/BBAC/001K**.....

Operator's Schedule Reference **MS/BBAC/1-K** Issue No **2**. Amendment **3** Dated **N/A**...

Operator(s).....**See Endorsement 2**.....

Aircraft Applicability**Lindstrand Hot Air Balloons**.....

For the purpose of...**Private, Aerial Work & Public Transport**..... Flying

CONDITIONS

- 1 The requirements of this Schedule shall be completed within the periods specified therein and in the appropriate Endorsements to this Approval Document.
- 2 All amendment/alterations to this Schedule shall be approved by the CAA. No change to the Conditions or the Endorsements shall be made other than by the CAA.
- 3 The prior permission of the CAA shall be obtained before any maintenance check is sub-divided.
- 4 It is the responsibility of the Operator to ensure that recommendations made by the Aircraft or Equipment Manufacturers in Maintenance Manuals, Recommended Maintenance Schedules, Service Bulletins and other technical service information are evaluated and, where appropriate, the Operator must initiate Maintenance Schedule amendments.
- 5 In addition to the accomplishment of the maintenance actions prescribed in the Schedule, compliance shall also be established with all appropriate mandatory requirements issued by the CAA and the recognised Airworthiness Authority of the country of origin of the aircraft. Retirement life limitations prescribed by manufacturers shall also be observed, unless otherwise directed by the CAA normally through the medium of CAA Airworthiness Notices or CAA Additional Directives.
- 6 Non-compliance with any of the Conditions of this Approval Document or its Endorsements shall invalidate the Authority's approval of this Maintenance Schedule.
- 7 This Approval Document includes**2**.....Endorsement(s).


for the Civil Aviation Authority 

Date: 31 March 2004

**CAA SAFETY REGULATION GROUP - STANDARD MAINTENANCE PRACTICE
MAINTENANCE OF BALLOONS.**

01 March 2005

INTRODUCTION

The purpose of this Standard Maintenance Practice is to identify the maintenance requirements for Balloons that are required to have an approved maintenance schedule. The maintenance of the balloon shall be in accordance with the Type Certificate holder's inspection standards, recommended maintenance programme or schedule and the requirements of this SMP where the manufacturer's schedules may not encompass the additional maintenance items covered by this SMP.

It is the responsibility of the operator to ensure that the registration, balloon type and serial numbers are completed together with the compliance statement.

The contents of this document shall not be amended without the approval of the Civil Aviation Authority.

MAINTENANCE PROGRAMME REFERENCE

Operators Schedule reference MS/BBAC/1-K

Manufacturer's Manual reference Linstrand Balloons Ltd

Revision Status Issue 2. Amendment 3

MAINTENANCE SCHEDULE APPLICABILITY


Balloon type	Balloon registration(s)	Balloon serial number(s)
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COMPLIANCE STATEMENT

The contents of this schedule and its associated appendices address the manufacturers minimum maintenance requirements for the balloons listed above.

Organisation /Operator

Person ... Signature.....Date.....

CAA Use only	
CAA Schedule Approval Reference. MS/BBAC/001K..... 01/03/05	

CAA SAFETY REGULATION GROUP - STANDARD MAINTENANCE PRACTICE MAINTENANCE OF BALLOONS.

01 March 2005

UTILISATION AND MAINTENANCE REVIEW

In order to meet the requirements of the Air Navigation Order (ANO), British Civil Airworthiness Requirements (BCAR) and the European Aviation Safety Agency (EASA) where appropriate, the recommendations made by the constructors and manufacturers as amended, have been evaluated and where appropriate are included. It is the duty of the operator or the contracted maintenance organisation to ensure that subsequent maintenance recommendations, including airworthiness information promulgated in Airworthiness Directives, Service Bulletins, Service Letters, Maintenance Manuals, and other regulatory material as issued by the State of Design, EASA and the United Kingdom CAA, are evaluated for applicability, to this approved schedule.

Note: If the manufacturer produces a special utilisation (e.g. low utilisation) or a schedule based on a specific annual utilisation then this must be used.

PRE-FLIGHT INSPECTIONS

These checks are to be carried out in-accordance with the aircraft flight operations manual, or as specified in the manufactures maintenance schedule.

AVIONIC INSTALLATIONS (if fitted)

In the absence of of the manufacturers maintenance requirements for Radio Communication and Navigation equipment an appropriate programme of maintenance shall be included. This should be entered in supplementary appendix A

If mandatory instruments (e.g. altimeter etc.) are required to be fitted, an appropriate programme of calibration shall be included.

SAFETY EQUIPMENT

Where the balloon is required to carry safety equipment this should be checked for serviceability at regular intervals. Overhaul and retirement periods are those specified by the equipment manufacturer.

FLEXIBLE HOSES

Flexible hoses shall be inspected, overhauled or life limited in accordance with the manufacturers recommendations.

PRESSURE VESSELS

Pressure vessels are to be maintained in accordance with manufacturer's recommendations.

CAA SAFETY REGULATION GROUP - STANDARD MAINTENANCE PRACTICE MAINTENANCE OF BALLOONS.

01 March 2005

MODIFICATIONS TO AIRCRAFT

Where equipment has been fitted to the balloon after original manufacture, the Supplementary Maintenance Appendix A, is required to be amended to take into account the equipment manufacturer's requirements.

Where the balloon has been modified from the original design standard, this must be taken into account when assessing the maintenance requirements.

FATIGUE LIVES AND MANDATORY LIFE LIMITATIONS

All fatigue lives and mandatory, life limits published by the constructor/manufacturer or by the CAA shall be complied with. In the case of foreign products, the CAA may vary the lives published by the constructor/manufacturer or itself publish a life, normally as a CAA Additional Airworthiness Directive.

SUPPLEMENTARY MAINTENANCE APPENDIX

The attached Supplementary Maintenance Appendix A, should contain the equipment manufacturer's maintenance requirements, a list of reference material including equipment manuals, service bulletins (SB), STCs, modifications etc. and any life limitations.

The attached Supplementary Maintenance Appendix B, should contain Maintenance Tasks arising from SBs, SLs, and other service information as required by the operator.

CERTIFICATION OF MAINTENANCE

The certificate of release to service for checks carried out in accordance with the manufacturer's programme, should cross refer to the CAA Maintenance Schedule Approval reference number.

An annual review of the maintenance shall be completed. The review shall as a minimum, include the following items:

1. Confirmation of mandatory modification, ADs and inspection status.
2. Audit of aircraft records.
3. Conformity with CAA approved maintenance schedule.
4. Conformity with CAA approved aircraft radio installation (if applicable).
5. Review of outstanding deferred defects.
6. Evaluate the effectiveness of the maintenance schedule in addressing the maintenance needs of the balloon.
7. Review of balloon and equipment life limits.

On successful completion of the annual review an Inspection Report (BBAC IR4) shall be completed and copy of the form inserted into the Balloon Log Book.

This certification shall be made in accordance with the requirements of the British Balloon and Airship Club appropriately approved Inspector.

CAA SAFETY REGULATION GROUP - STANDARD MAINTENANCE PRACTICE MAINTENANCE OF BALLOONS.

01 March 2005

Approved Inspectors are responsible for recording in the appropriate logbook, or worksheet any defects, deficiencies or additional maintenance as a result of the implementation of the schedule.

MANDATORY REQUIREMENTS FOR AIRWORTHINESS

Publication CAP 747 provides a primary reference document for mandatory requirements for airworthiness for both EASA responsible and non-EASA responsible EC 1592/2002 annex II aircraft. It is a cross-reference to the Generic Requirements and the Airworthiness Directives for aircraft on the United Kingdom register published by :-

1. The State of Design Aviation Authority.
2. The European Aviation Safety Agency.
3. The United Kingdom Civil Aviation Authority i.a.w. Article 10 (1) of Council Regulation EC No 1592/2002.

CAP 747 may be accessed on the CAA's website at www.caa.co.uk

All appropriate mandatory requirements for the aircraft appropriate to this schedule, listed and cross-referenced in CAP 747 must be complied with.

INSPECTION STANDARDS

The inspection standards applied to individual task inspections must meet the requirements of the Type Certificate holder's recommended standards and practices. In the absence of specific manufacturers guidance, refer to CAA CAP 562 Civil Aircraft Airworthiness Information and Procedures or FAA Advisory Circular 43, Aircraft Inspection and Repair (for USA equipment) or other approved data, as appropriate.

CAA SAFETY REGULATION GROUP - STANDARD MAINTENANCE PRACTICE MAINTENANCE OF BALLOONS.
 01 March 2005

Maintenance schedule Ref MS/BBAC/1-K Issue 2 Amendment 3

Supplementary Appendix A

Equipment manufactures maintenance requirements not covered by Original Balloon Manufactures Inspection Requirements

Date Entered	System	Detail	Reference Information

CAA SAFETY REGULATION GROUP - STANDARD MAINTENANCE PRACTICE MAINTENANCE OF BALLOONS.
 01 March 2005

Maintenance schedule Ref MS/BBAC/1-K

Issue 2 Amendment 3

Supplementary Appendix B

Additional Maintenance Required by the Operator in the form of SB's SL's and other Service Information

Date Entered	System	Detail	Reference Information