

INSTRUMENT NUMBER: CASA 566/03

**CIVIL AVIATION ACT 1988**  
**CIVIL AVIATION REGULATIONS 1988**  
**INSTRUMENT OF AUTHORISATION**

I, NEVILLE JAMES PROBERT, Head of Airworthiness Standards, a delegate of CASA, under subregulation 42ZC (6) of the *Civil Aviation Regulations 1988* (CAR 1988) authorise the holder of a current commercial pilot (balloon) licence, or a current private pilot certificate (balloons) issued by the Australian Ballooning Federation Ltd, for the purposes of paragraph 42ZC (4) (e) of CAR 1988.

Under subregulation 42ZC (8) of CAR 1988, the authorisation is subject to the conditions set out in Schedule 1.

**SCHEDULE 1**

1. The holder of a current private pilot certificate (balloons) may only carry out maintenance on a balloon that the holder is entitled to fly.
2. Subject to clause 3, the holder of a current private pilot certificate (balloons) may only carry out post-assembly, daily and pre-take-off inspections.
3. The holder of a commercial pilot (balloon) licence or the holder of a current private pilot certificate (balloons) may carry out the maintenance specified in the following table:

**PILOT MAINTENANCE ON BALLOONS**

Column 1 Item	Column 2 Part of balloon, or equipment, affected	Column 3 Kind of work
1	Envelope	<ul style="list-style-type: none"> <li>(a) Replacing envelope temperature flags (but not including replacing temperature tell tale tags);</li> <li>(b) Removing or installing envelope temperature probes;</li> <li>(c) Adhesive patch repairs on envelope fabric in accordance with the manufacturer's directions for adhesive patch repairs;</li> <li>(d) Minor sewn fabric repairs below the first horizontal load tape as permitted by the manufacturer's maintenance manual;</li> <li>(e) Adjusting, replacing or repairing control lines other than deflation lines;</li> <li>(f) Removing or installing karabiners;</li> <li>(g) Removing or installing crown line;</li> <li>(h) Removing or installing scoops and skirts.</li> </ul>
2	Basket	<ul style="list-style-type: none"> <li>(a) Interchanging or replacing basket in accordance with balloon operating handbook or other acceptable data;</li> <li>(b) Minor repairs to basket trim materials;</li> <li>(c) Re-varnishing or re-oiling basket wicker;</li> <li>(d) Removing or installing fire extinguishers;</li> <li>(e) Removing or installing burner poles;</li> <li>(f) Removing or installing handling line and container;</li> <li>(g) Removing or installing storage pouches.</li> </ul>
3	Fuel cylinders	<ul style="list-style-type: none"> <li>(a) Replacing or lubricating fuel cylinder tank inlet or outlet o-rings;</li> <li>(b) Removing or replacing fuel cylinder straps;</li> <li>(c) Replacing fuel cylinder contents gauge glasses held in by screws (but not including replacing the whole</li> </ul>

Column 1 Item	Column 2 Part of balloon, or equipment, affected	Column 3 Kind of work
		<p>contents gauge assembly);</p> <p>(d) Repairing or installing cylinder jackets;</p> <p>(e) Removing or installing heater pads;</p> <p>(f) Interchanging or replacing fuel cylinder if the cylinder is designated as interchangeable in balloon operating handbook or other acceptable data;</p> <p>(g) Adjusting LPG vapour regulators if the adjustment does not involve disassembly of regulator.</p>
4	Burner systems	<p>(a) Cleaning liquid pilot light regulators;</p> <p>(b) Cleaning or replacing seals in hose couplings;</p> <p>(c) Removing, cleaning or installing pilot light or burner jets including filters;</p> <p>(d) Tightening burner parts including heat shields;</p> <p>(e) Lubricating (not requiring disassembly other than removing lubrication port blanks);</p> <p>(f) Removing, replacing or adjusting piezo igniter system;</p> <p>(g) Adjusting liquid fire (whisper) or pilot light valves;</p> <p>(h) Removing or installing burner in accordance with balloon operating handbook or other acceptable data.</p>
5	Burner frame	<p>(a) Removing or installing burner frame heat shields;</p> <p>(b) Adjusting burner gimbal friction.</p>
6	Instruments and radio	<p>(a) Replacing batteries;</p> <p>(b) Changing instrument packs;</p> <p>(c) Removing or installing radio if:</p> <p style="padding-left: 20px;">(i) no disturbance is required to the balloon's instruments or electrical wiring; and</p> <p style="padding-left: 20px;">(ii) there is no need to disassemble a primary structure of the balloon.</p>

Column 1 Item	Column 2 Part of balloon, or equipment, affected	Column 3 Kind of work
7	Other equipment	(a) Removing or replacing other equipment if: <ul style="list-style-type: none"> <li>(i) no modifications are required to the balloon's instruments or electrical wiring; and</li> <li>(ii) there is no need to disassemble a primary structure of the balloon;</li> </ul> (b) Removing, replacing or adjusting non- structural standard fasteners incidental to operations.

**[Signed N.J. Probert]**

Neville Probert  
Head of Airworthiness Standards

19 December 2003