



# **MANDATORY PERMIT DIRECTIVE**

In accordance with Article 9A(5)(b) of the Air Navigation Order 2000 as amended, the following action required by this Mandatory Permit Directive (MPD) is mandatory for applicable aircraft registered in the United Kingdom operating on a UK CAA Permit to Fly.

## **MPD: 2002-009 R1 YAKOVLEV**

**Subject:** Airframe life limitations and overhaul life.

**Applicability:** Yakovlev Yak 50 aeroplanes.

**Reason:** It has been identified that this aeroplane type is subject to both airframe life limitations and to a defined overhaul life. This MPD is raised to Revision 1 to omit the aerobatic figures limitation and amend the allowable non-aerobatic period when the airframe accrues 300 or more hours.

### Airframe life limitations

Correspondence with the Design Authority, Yakovlev, has confirmed that there is an initial airframe life limit of 300 hours from new.

This 300 hour airframe life limit can be extended by the implementation of an approved maintenance and inspection programme.

### Overhaul life

At initial manufacture the aeroplane is released for an overhaul life of a defined number of hours, aerobatic figures, landings and calendar time. This information is contained in an entry in the aeroplane log book.

The aeroplane can be released for a further period of operation subject to the implementation of an approved overhaul.

### **Compliance:**

#### Airframe life limitations

Before further flight from the original effective date of this MPD, determine the total airframe hours of the individual aeroplane.

No action is required until the aeroplane reaches 300 airframe hours.

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At 300 airframe hours a maintenance and inspection programme, appropriate to the individual aeroplane and approved by the Design Authority, Yakovlev, must be implemented in order to extend the airframe life beyond 300 hours. This programme must include the incorporation of Bulletin 50-079DK if it is not already incorporated. The revised airframe life, as notified by Yakovlev, will be the lesser of the allowed number of hours, aerobatic figures, landings or years. Following receipt of the life extension from Yakovlev, the aeroplane log books must be suitably annotated to reflect the Yakovlev approved reference for the life extension and the revised airframe life. A Permit Maintenance Release (PMR) must be issued certifying compliance with this MPD.

If the total hours are in excess of 300 airframe hours the aeroplane may continue to fly for a maximum of 50 airframe hours or 180 days, whichever is the sooner, but during this period aerobatic manoeuvres are prohibited. Approval for aerobatic manoeuvres is reinstated following Yakovlev's notification of the revised airframe life.

#### Overhaul life

Before further flight from the original effective date of this MPD, determine the overhaul life of the aeroplane from the latest relevant entry in the aeroplane log book. The overhaul life will be the lesser of the allowed number of hours, aerobatic figures, landings or years until the next overhaul.

When the overhaul life is reached, an overhaul must be carried out in accordance with technical documentation approved by the Design Authority, Yakovlev, and the aeroplane released for a further period of service as specified in the approved documentation.

Yakovlev contact details are as follows:

Mr D K Dratch  
Chief Designer  
A S Yakovlev Design Bureau  
68 Leningradsky Prospect  
Moscow 125315  
Russia

Further information on the airframe life extension and the overhaul content may also be obtained from some UK Companies that specialise in these aeroplanes.

Record compliance with this MPD in the aircraft log book.

The original MPD became effective on 30 June 2003. Revision 1 becomes effective on 12 March 2004.