



United Kingdom Civil Aviation Authority

MPD No: 2009-010

Issue Date: 22 December 2009

EMERGENCY MANDATORY PERMIT DIRECTIVE

In accordance with Article 11(6)(a) of the Air Navigation Order 2005 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: 2009-010 AEROTECHNIK / COSMIK AVIATION

Subject: Temporary Reduction in Maximum Manoeuvring Airspeed, V_A and Never Exceed Airspeed, V_{NE} .

Applicability: Aerotechnik EV-97 Eurostar
Aerotechnik EV-97A Eurostar
Aerotechnik EV-97 Eurostar SL
EV-97 teamEurostar UK

Reason: As a result of the investigation into the crash of a Danish registered Eurostar in Switzerland it was ascertained that the material used in the wing lower spar caps did not meet the alloy's strength specification.

An inspection procedure to enable the strength of the wing lower spar caps to be measured is being developed so that it can be determined whether they are acceptable and meet the design requirements.

While the inspection procedure is being finalised it is required by this MPD that the V_A and V_{NE} airspeed limits on all aircraft are reduced to ensure that there is an adequate strength margin even if an aircraft has lower strength wing lower spar caps.

The inspection procedure will be mandated by further MPD action when it has been finalised.

Compliance:

- Before further flight after the effective date of this MPD, temporarily amend V_A and V_{NE} by approved modification action as follows:
 - Replace existing placarded value of V_A by new value of 88 mph (76 knots).
 - Replace existing placarded value of V_{NE} by a new value of 106 mph (92 knots).
 - Re-mark airspeed indicator to show a red radial line at the new V_{NE} of 106 mph (92 knots).
 - Amend Pilot's Handbook to show the new values of V_A and V_{NE} .
- It is understood that Cosmik Aviation can supply a kit which will meet these requirements.
- Further flight after 30 June 2010 is prohibited unless an inspection in accordance with a subsequent CAA MPD has been carried out.

Ensure compliance with this MPD is recorded in the aircraft logbook.

Effective Date:	23 December 2009
------------------------	------------------

1. This MPD was not published for consultation because of the urgency of the requirement.
2. Enquiries regarding this MPD should be referred to Aircraft Certification Department, Civil Aviation Authority, Safety Regulation Group, Aviation House, Gatwick Airport South, West Sussex, RH6 0YR, United Kingdom.
Tel: +44 (0)1293 573309 Fax: +44 (0)1293 573976 Email: department.certification@caa.co.uk