



# MANDATORY PERMIT DIRECTIVE

Number: 2012-003

Issue date: 04 October 2012



In accordance with 22(1) of Air Navigation Order 2009 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.

Type Approval Holder's Name: <b>P&amp;M Aviation</b>	Type/Model Designation(s): <b>CT2K and CTSW Aircraft</b>
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<b>Title:</b>	<b>Fuel System – Engine Fuel Feed</b>
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<b>Manufacturer:</b>	<b>P&amp;M Aviation</b>
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<b>Applicability:</b>	<b>CT2K and CTSW</b>
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<b>Reason:</b>	<p>There have been reports of engine failure as a result of fuel tank imbalance and consequent loss of fuel feed.</p> <p>The aircraft have a two tank fuel system, with a tank located in the leading edge section of each wing. The wing is relatively flat (low dihedral) such that if the aircraft is flown with one wing low at low fuel states, then that tank may not feed. If the other tank is empty then loss of fuel feed to the engine may occur. It is therefore important that the aircraft is flown to ensure fuel quantities are balanced across the two tanks in order to maintain uninterrupted fuel feed to the engine.</p> <p>Engine power loss from interrupted fuel feed, particularly during approach flight phases close to the ground, where engine recovery may not be possible, is an unsafe condition that requires corrective action.</p>
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<b>Effective Date:</b>	04/10/2012
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<b>Compliance/Action:</b>	<p>Compliance is required as follows, unless previously accomplished:</p> <ol style="list-style-type: none"><li>1. Within 2 months from the effective date of this MPD conduct the actions required in accordance with sub-paragraphs 1) to 7) of SB 131.</li><li>2. Within 12 months and thereafter annually or at 100 hours intervals (whichever occurs earliest), carry out the checks required in accordance with sub-paragraph 8) of SB 131.</li><li>3. If during a check required by sub-paragraph 8 of SB 131 any fault is found, before next flight rectify the fault.</li></ol>
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**ENSURE COMPLIANCE WITH THIS MPD IS RECORDED IN THE AIRCRAFT LOGBOOK**

<b>Reference Publications:</b>	P&M Aviation Service Bulletin 131 Issue 1
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<b>Remarks:</b>	1. This MPD was posted on 26 July 2012 as PMPD 12-01 for consultation until 25 August 2012.	
	2. Enquiries regarding this Mandatory Permit Directive should be referred to: Airworthiness, Evaluation & Surveillance, Civil Aviation Authority, Safety Regulation Group, Aviation House, Gatwick Airport South, West Sussex RH6 0YR.	
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