



DOCUMENT  
**GSM-AUS-CPL.032**

DOCUMENT TITLE  
**AUS OPERATIONS, FLIGHT PLANNING AND PERFORMANCE**

**CHAPTER 5**  
**ECHO LOADING DATA**

Version 1.0  
January 2013

This is a controlled document. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form, or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior permission, in writing, from the Chief Executive Officer of Flight Training Adelaide.

<b>CONTENTS.....</b>	<b>PAGE</b>
<b>LOADING DATA - ECHO MK LV AIRCRAFT.....</b>	<b>3</b>

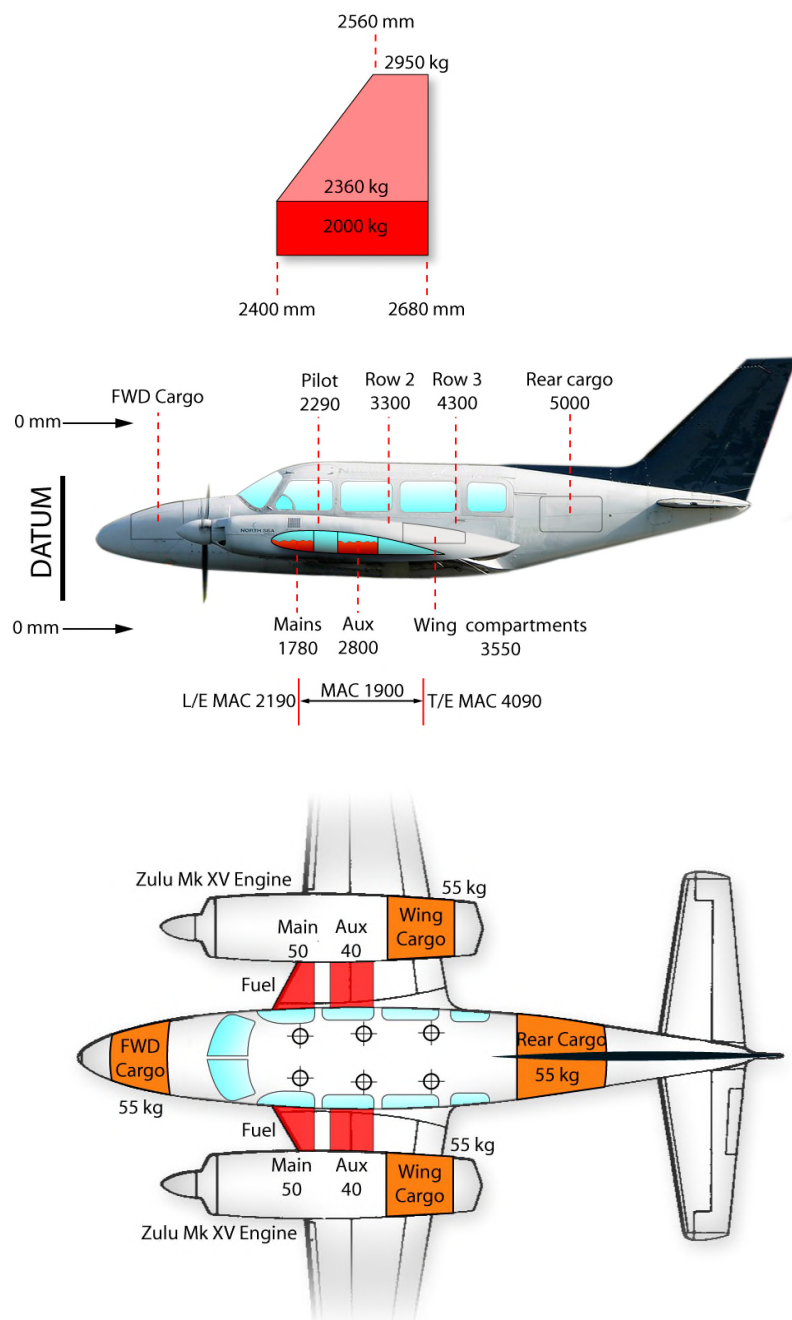
## LOADING DATA - ECHO MK LV AIRCRAFT

Study the information on these two pages. The moment arms for the various stations are listed in the table on Page 2 of this section.

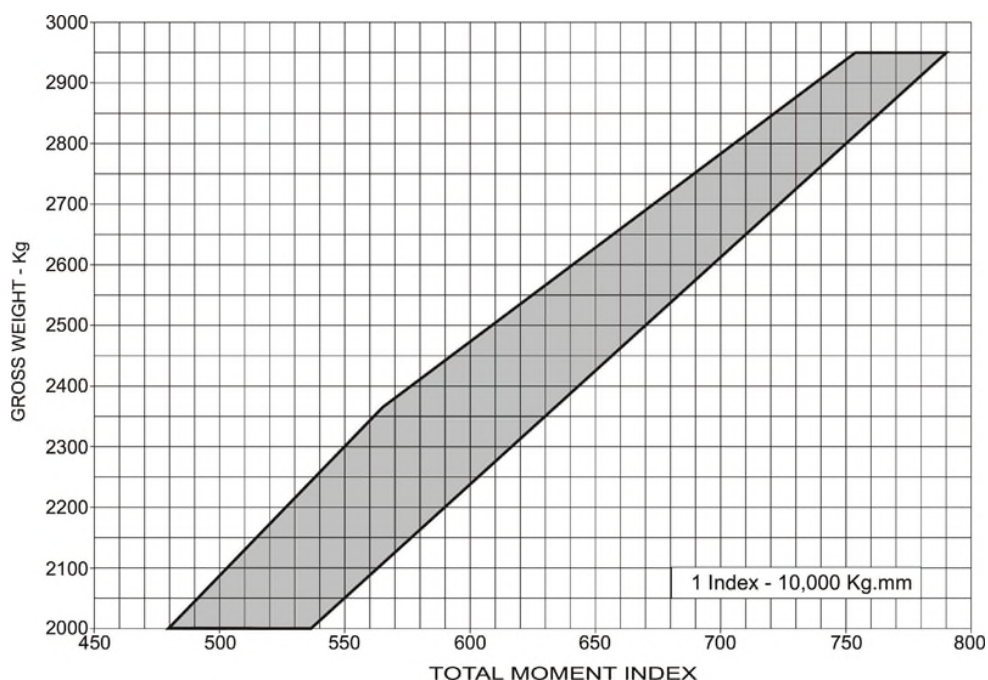
Look at the picture of the ECHO Mk IV below and compare the distances with those listed on page 2.

Notice that 1 IU = 10000 kgmm as indicated on the graph on Page 2.

The Echo Mark IV aircraft



**Echo Mk IV Centre of Gravity envelope**



**Loading Data**

Location	Maximum permissible load	Loading arm (mm aft of datum)
<b>Seating</b>		
Row 1 (Seats 1 & 2)	Pilot and 1 passenger	2290 mm
Row 2 (Seats 3 & 4)	2 passengers	3300 mm
Row 3 (Seats 5 & 6)	2 passengers	4300 mm
<b>Cargo and Baggage Compartments</b>		
Forward compartment	55 kg	500
Left wing compartment	55 kg	3550
Right wing compartment	55 kg	3550
Rear compartment	155 kg	5000
<b>Fuel</b>		
Left main tank	50 gal	1780
Right main tank	50 gal	1780
Left auxiliary tank	40 gal	2800
Right auxiliary tank	40 gal	2800