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### ING PROCEDURES

#### REPARATION

cales (min. capacity 300 kg) under each wheel aps to fully retracted position iding seats to most forward position raulic fluid and coolant liquid at the operating levels el via the specific drain valve re Flight Manual and mandatory documents are on board t weighing procedure inside closed hangar from cabin any object unintentionally left ontrol surfaces in neutral position

#### LEVELLING

evel on the cabin floor as shown in the Aircraft Maintenance Manual). the aircraft (the reference for longitudinal levelling is made putting a longitudinal attitude deflating nose tire

#### WEIGHING

d weight shown on each scale at weighing procedure three times

late empty weight

## DETERMINATION OF C.G. LOCATION

a plumb bob tangent to the wing leading edge and trace a reference mark ie floor (see Figure on Para.  $2.5\ \text{or}\ 2.6$ ) ig recorded data it is possible to determine the aircraft C.G. location and the ch a taught line between the two marks at the operation for other wing raft moment (see following table) sure the distance between the reference line and both main and nose wheel (A and B distances respectively)

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#### 2.5 WEIGHING RECORD

Model P2006T SN: 4400 Weighing no. 1 Date: C6/08/2014

Datum: leading edge vertical



wheel weight $W_1 = \frac{1}{120}$ heel weight $W_L = 382$ heel weight $W_R = 364$ $W_L + W_R = \frac{1}{120}$	Ko or Lhe
wheel weight $W_r = \frac{4}{12}\frac{7}{12}$ Plumb bob distance LH wheel $A_L = 0.8$ heel weight $W_L = 382.0$ Plumb bob distance RH wheel $A_R = 0.8$ heel weight $W_R = 364.0$ Average distance $(A_L + A_R)/2$ $A = 0.8$ Plumb bob distance from nose wheel $A_R = 0.8$	
$A_{L} = 0.815$ $A_{R} = 0.815$ $A = 0.815$ $A = 0.815$	Meters or feet

28		Plur	Ave	Plun	Fine
$e = W_1 + W_2$	-	16 0 kg	$W_R = 364, D$	$W_L = 382.0$	W = 1/1/2
Empty weight $We = W_1 + W_2 = \%6$		$W_2 = W_1 + W_0 = VA$	RH wheel weight	LH wheel weight	Nose wheel weight W, = ////

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We	$D = \frac{W_2 \cdot A - W_1 \cdot B}{A} = 0$ , 416
1	[m] or [F1]
1.339	$D^{0}/_{0} = D \cdot 100 =$
1	34.0%

	Empty weight moment
	$M = (D \cdot We) =$
innerhalen samen neuerinarian schalle fact all spirite easter more fact, physiosis professional despirare	3540

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m·K
Kg] or
ŧ
Lbs]

Ikol or Iks	3670	Wu =	x. useful load W <sub>T</sub> - We
[kg] or [lbs	200	We=	Empty weight
[kg] or Lbs	1000,0	WT =	Maximum takeoff weight

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Section 6 - Weight and balance WEIGHTS AND C.G.

Section 6 - Weight and balance

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