

Aircraft Weighing Report

Multi-Point Platform Method

Latitude Correction Figure	
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Weighing Position	Platform Serial No.	Indicated Load	Platform Zero	Lat Correct Load	Calibration Correction	Actual Load
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First Weigh

Nose						
Main Port						
Main Stbd						
Total Mains					w1 + w2 =	
A/C Total					w =	

Second Weigh

Nose						
Main Port						
Main Stbd						
Total Mains					w1 + w2 =	
A/C Total					w =	

Third Weigh

Nose						
Main Port						
Main Stbd						
Total Mains					w1 + w2 =	
A/C Total					w =	

Nose undercarriage weight from median Total weight = (Wt1)	kg	Wf
Median of 3 recorded Aircraft Total weights = (w)	kg	AL
Distance between longitudinal weighing points	mm	L
Median of 3 recorded MLG Weight	mm	Wm
NLG distance from Nose	mm	L2
MLG distance from Nose	mm	L1
As weighed Centre of Gravity from aft weighing point = $\frac{(Wt1) \times (L)}{(w)}$	mm	a
Centre of Gravity from Aircraft datum = $\frac{(Wm \times L1 + Wf \times L2)}{AL}$	mm	x
Aircraft as weighed moment = (w) x (x)	kg mm	m
Basic weight = (w) plus deficiencies, minus surpluses	kg	BW
Basic moment = (m) plus deficiencies, minus surpluses	kg mm	BM
Basic Centre of Gravity from Aircraft datum point = $\frac{(BM)}{(BW)}$		X
		% MAC