Aircraft Weighing Report

Multi-Point Electronic Load Cell Method

Latitude Correction Figure		Weigh Kit Serial No.	

Weighing Position	Serial No.	Indicated Load	Indicated Zero Error	Latitude Correction Load	Calibration Correction	Symbol	Actual Load
Nose						**Wt1**	
Port						**W1**	
Stbd						**W2**	
					First Weigh Total	**W**	
Nose						**Wt1**	
Port						**W1**	
Stbd						**W2**	
					Second Weigh Total	**W**	
Nose						**Wt1**	
Port						**W1**	
Stbd						**W2**	
					Third Weigh Total	**W**	

Mean Average Nose as Weighed	**Wt1**	
Mean Average Port as Weighed	**W1**	
Mean Average Stbd as Weighed	**W2**	
Average Aircraft Total Weight as Weighed	**W**	

Longitudinal Calculations		
Distance from Main Jacking Points to Nose Jacking Point	**L**	
Distance from Main Jacking Points to Aircraft Datum Point	**d**	
Distance of C of G from Main Jacking Point as Weighed = $\frac{(Wt1) \times (L)}{(W)}$	**a**	
Distance of C of G from Aircraft Datum as Weighed = (d) $\pm$ (a)	**x**	
Aircraft Longitudinal Moment as Weighed = (W) x (x)	**m(x)**	
Basic Weight of Aircraft = (W) plus deficiences, minus surpluses	**BW**	
Basic Moment = (m) plus deficiences, minus surpluses	**BM(X)**	
Distance of C of G from : A/C * Datum in Basic Weight Condition = $\frac{(BM(X))}{(BW)}$	**X**	

Lateral Calculations		
Port Jacking Point to Aircraft Centre Line	**L3p**	
Stbd Jacking Point to Aircraft Centre Line	**L3s**	
Average Aft Port as Weighed	**W1**	
Average Aft Stbd as Weighed	**W2**	
Aircraft Lateral as weighed C of G = (W1xL3p)+(W2xL3s)/w	**y**	
Aircraft Moment as Weighed = (W) x (y) (+ If C of G Stbd of Datum, - If C of G Pt of Datum)	**m(y)**	
Basic Weight of Aircraft = (W) plus deficiences, minus surpluses	**BW**	
Basic Moment = (m) plus deficiences, minus surpluses	**BM(Y)**	
Distance of C of G from : A/C * Datum in Basic Weight Condition = $\frac{(BM(Y))}{(BW)}$	**Y**	