

AIRCRAFT WEIGHT AND C.G DETERMINATION

REPORT NO : 019/WB/VIII/2019

DATE : 14 AUGUST 2019

AIRCRAFT REGISTRATION	:	PK-SNK	
AIRCRAFT TYPE	:	CESSNA C208 CARAVAN	
AIRCRAFT SERIAL NUMBER	:	20800658	
PROPERTY OF	:	PT. SMART CAKRAWALA AVIATION	
PLACE OF WEIGHING	:	WICHITA, USA	
REASON OF WEIGHING	:	INITIAL	
CONFIGURATION	:	9 PASSENGERS	
PERFORMED BY	:	YINGLING AIRCRAFT INC.	
		SIGNED:	DATE: 14/08/2019
CHECKED BY	:	YINGLING AIRCRAFT INC.	
		SIGNED:	DATE: 14/08/2019

RESULTS

EMPTY WEIGHT	: 4908.77 LBS
C.G ARM OF AIRPLANE	: 174.36 IN
CG PERCENT MAC %	: 25.29 (PERCENT MAC)
VALID UNTIL	: 14 AUGUST 2024

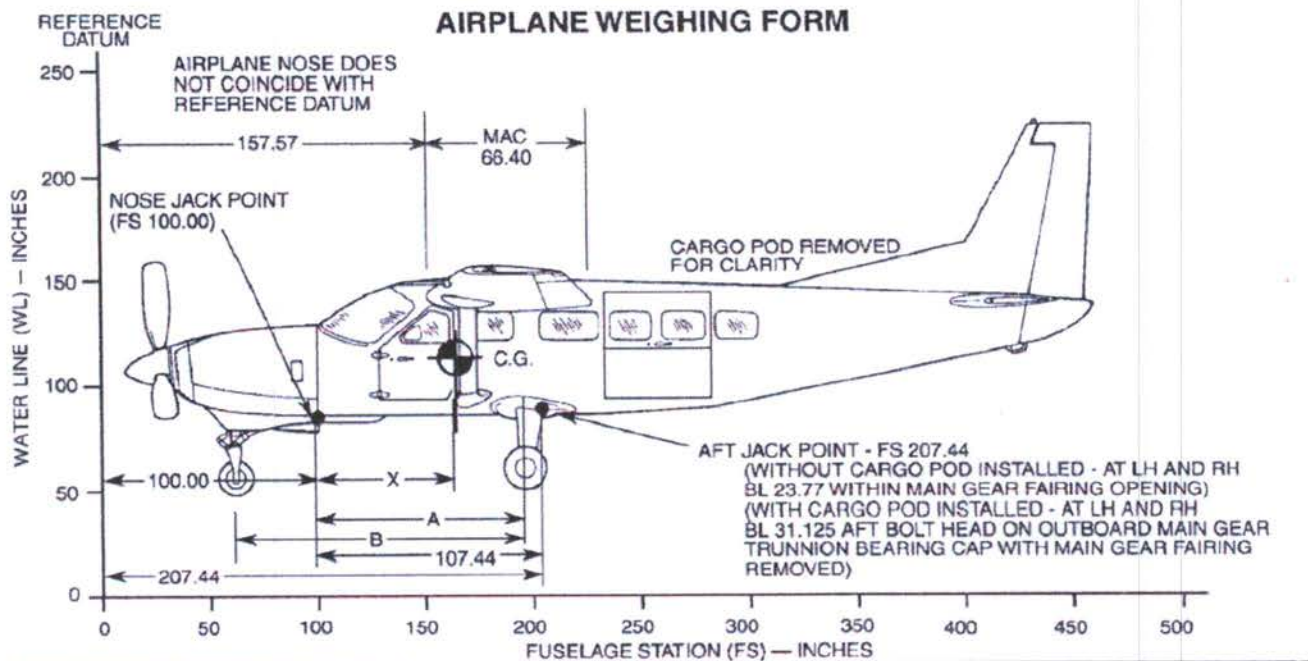
WEIGHING EQUIPMENT

PART NUMBER	: N/A
SERIAL NUMBER	: N/A
VALIDATION	: N/A

APPROVED BY:


Ilham Chairi
 Chief Inspector

AIRCRAFT WEIGHT & BALANCE



AIRPLANE AS WEIGHED TABLE

POSITION	SCALE READING	SCALE DRIFT	TARE	NET WEIGHT
LEFT SIDE	2014	-	-	2014
RIGHT SIDE	2068	-	-	2068
NOSE	795	-	-	795
AIRPLANE TOTAL AS WEIGHT				4877

LOCATING CG WITH AIRPLANE ON LANDING GEAR

FORMULA for longitudinal CG

$$(X) = \frac{(A)}{96.75} \times \frac{(\text{Nose Gear Net Weight}) (795)}{\text{Nose and Main Landing Gear Weight Totalled } (4877)} \times (B) 137.75 = (74.30) \text{ Inches}$$

$$\text{CG Arm of Airplane} = 100 + (X) = (174.30) \text{ Inches Aft Datum}$$

MEASURING A AND B

MEASURE A AND B PER PILOT'S OPERATING HANDBOOK INSTRUCTIONS TO ASSIST IN LOCATING CG WITH AIRPLANE WEIGHED ON LANDING GEAR

LEVELING PROVISIONS

LONGITUDINAL – LEFT SIDE OF FUSELAGE AT FS 239.00 & 272.00
LATERAL – SEAT RAILS AFT OF PILOT AND FRONT PASSENGER SEATS

AIRCRAFT WEIGHT & BALANCE

TABLE 1

BASIC ITEMS NOT INCLUDED WHEN WEIGHING	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
2601323-3 Louvered Panel	1.30	78.83	0.10
3960235-1 (S1971-1 Wire)	0.57	290.73	0.17
Aircraft Payload Extender STOL	5.80	184.50	1.07
TOTAL	7.67	174.71	1.34

TABEL 2

DESCRIPTION OF ACTION PERFORMED	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
TOTAL			

TABEL 3

AIRCRAFT WEIGHING REPORT	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	4877	174.30	850.06
WEIGHT FROM TABLE 1 (+)	7.67	174.71	1.34
SUB TOTAL	4884.67	174.30	851.4
WEIGHT FROM TABLE 2 (-)			
TOTAL	4884.67	174.30	851.4

BASIC EMPTY WEIGHT AND CENTER OF GRAVITY TABLE

ITEM	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	4884.67	174.30	851.4
DRAINABLE UNUSABLE FUEL AT 6.75 POUNDS PER GALLON S/N 208B0090 And On	24.1	186.4	4.49
BASIC EMPTY WEIGHT	4908.77	174.36	855.89



AIRCRAFT WEIGHT & BALANCE

LOCATING PERCENT MAC

FORMULA for Percent MAC

$$\begin{aligned}\text{CG Percent MAC} &= \frac{\text{CG Arm of Airplane (174.36)} - 157.57}{0.6640} \\ &= 25.29 \%\end{aligned}$$

AIRCRAFT WEIGHT AND C.G DETERMINATION

REPORT NO : 020/WB/VIII/2019

DATE : 14 AUGUST 2019

AIRCRAFT REGISTRATION	:	PK-SNK	
AIRCRAFT TYPE	:	CESSNA C208 CARAVAN	
AIRCRAFT SERIAL NUMBER	:	20800658	
PROPERTY OF	:	PT. SMART CAKRAWALA AVIATION	
PLACE OF WEIGHING	:	WICHITA, USA	
REASON OF WEIGHING	:	INITIAL	
CONFIGURATION	:	CARGO	
PERFORMED BY	:	YINGLING AIRCRAFT INC.	
		SIGNED:	DATE: 14/08/2019
CHECKED BY	:	YINGLING AIRCRAFT INC.	
		SIGNED:	DATE: 14/08/2019

RESULTS

EMPTY WEIGHT	: 4758.17 LBS
C.G ARM OF AIRPLANE	: 173.37 IN
CG PERCENT MAC %	: 23.79 (PERCENT MAC)
VALID UNTIL	: 14 AUGUST 2024

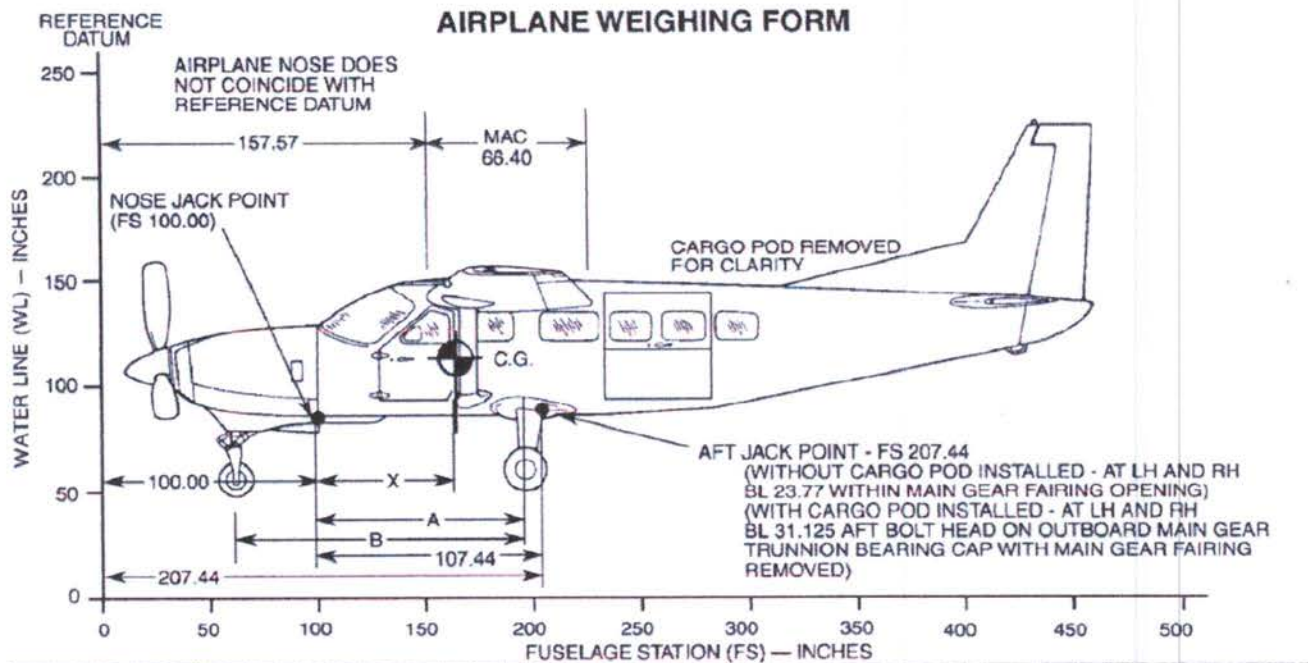
WEIGHING EQUIPMENT

PART NUMBER	: N/A
SERIAL NUMBER	: N/A
VALIDATION	: N/A

APPROVED BY:


Ilham Chairi
 Chief Inspector

AIRCRAFT WEIGHT & BALANCE



A = 96.75 Inches

B = 137.75 Inches

AIRPLANE AS WEIGHED TABLE

POSITION	SCALE READING	SCALE DRIFT	TARE	NET WEIGHT
LEFT SIDE	2014	-	-	2014
RIGHT SIDE	2068	-	-	2068
NOSE	795	-	-	795
AIRPLANE TOTAL AS WEIGHT				4877

LOCATING CG WITH AIRPLANE ON LANDING GEAR

FORMULA for longitudinal CG

$$(X) = \frac{(A)}{96.75} \times \frac{(\text{Nose Gear Net Weight}) (795) \times (B) 137.75}{\text{Nose and Main Landing Gear Weight Totalled } (4877)} = (74.30) \text{ Inches}$$

$$\text{CG Arm of Airplane} = 100 + (X) = (174.30) \text{ Inches Aft Datum}$$

MEASURING A AND B

MEASURE A AND B PER PILOT'S OPERATING HANDBOOK INSTRUCTIONS TO ASSIST IN LOCATING CG WITH AIRPLANE WEIGHED ON LANDING GEAR

LEVELING PROVISIONS

LONGITUDINAL - LEFT SIDE OF FUSELAGE AT FS 239.00 & 272.00
LATERAL - SEAT RAILS AFT OF PILOT AND FRONT PASSENGER SEATS

AIRCRAFT WEIGHT & BALANCE

TABLE 1

BASIC ITEMS NOT INCLUDED WHEN WEIGHING	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
2601323-3 Louvered Panel	1.30	78.83	0.10
3960235-1 (S1971-1 Wire)	0.57	290.73	0.17
Aircraft Payload Extender STOL	5.80	184.50	1.07
TOTAL	7.67	174.71	1.34

TABEL 2

DESCRIPTION OF ACTION PERFORMED	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
Single Seat Assy 2 ND Row - LH	25.10	173.55	4.36
Single Seat Assy 3 RD Row - LH	25.10	205.55	5.16
Single Seat Assy 4 TH Row - LH	25.10	237.55	5.96
Single Seat Assy 2 ND Row - RH	25.10	173.55	4.36
Single Seat Assy 3 RD Row - RH	25.10	205.55	5.16
Single Seat Assy 4 TH ROW - RH	25.10	237.55	5.96
TOTAL	150.6	205.58	30.96

TABEL 3

AIRCRAFT WEIGHING REPORT	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	4877	174.30	850.06
WEIGHT FROM TABLE 1 (+)	7.67	174.71	1.34
SUB TOTAL	4884.67	174.30	851.4
WEIGHT FROM TABLE 2 (-)	150.6	205.58	30.96
TOTAL	4734.07	173.30	820.44

BASIC EMPTY WEIGHT AND CENTER OF GRAVITY TABLE

ITEM	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	4734.07	173.30	820.44
DRAINABLE UNUSABLE FUEL AT 6.75 POUNDS PER GALLON S/N 208B0090 And On	24.1	186.4	4.49
BASIC EMPTY WEIGHT	4758.17	173.37	824.93



AIRCRAFT WEIGHT & BALANCE

LOCATING PERCENT MAC

FORMULA for Percent MAC

$$\begin{aligned}\text{CG Percent MAC} &= \frac{\text{CG Arm of Airplane (173.37)} - 157.57}{0.6640} \\ &= \mathbf{23.79 \%}\end{aligned}$$

AIRCRAFT WEIGHT AND C.G DETERMINATION

REPORT NO : 021/WB/VIII/2019

DATE : 14 AUGUST 2019

AIRCRAFT REGISTRATION	:	PK-SNK	
AIRCRAFT TYPE	:	CESSNA C208 CARAVAN	
AIRCRAFT SERIAL NUMBER	:	20800658	
PROPERTY OF	:	PT. SMART CAKRAWALA AVIATION	
PLACE OF WEIGHING	:	WICHITA, USA	
REASON OF WEIGHING	:	INITIAL	
CONFIGURATION	:	9 PASSENGERS without Cargo Pod	
PERFORMED BY	:	YINGLING AIRCRAFT INC.	
		SIGNED:	DATE: 14/08/2019
CHECKED BY	:	YINGLING AIRCRAFT INC.	
		SIGNED:	DATE: 14/08/2019

RESULTS

EMPTY WEIGHT	:	4765.92 LBS
C.G ARM OF AIRPLANE	:	173.69 IN
CG PERCENT MAC %	:	24.28 (PERCENT MAC)
VALID UNTIL	:	14 AUGUST 2024

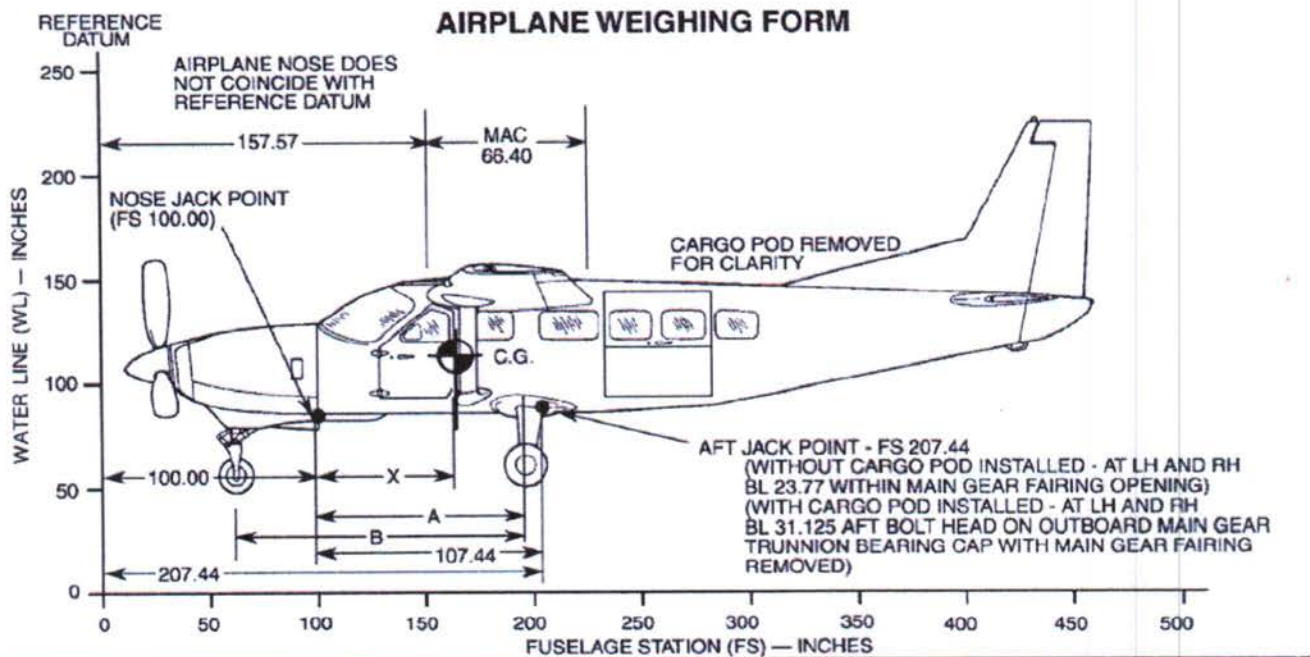
WEIGHING EQUIPMENT

PART NUMBER	:	N/A
SERIAL NUMBER	:	N/A
VALIDATION	:	N/A

APPROVED BY:


Ilham Chairi
 Chief Inspector

AIRCRAFT WEIGHT & BALANCE



AIRPLANE AS WEIGHED TABLE

POSITION	SCALE READING	SCALE DRIFT	TARE	NET WEIGHT
LEFT SIDE	2014	-	-	2014
RIGHT SIDE	2068	-	-	2068
NOSE	795	-	-	795
AIRPLANE TOTAL AS WEIGHT				4877

LOCATING CG WITH AIRPLANE ON LANDING GEAR

FORMULA for longitudinal CG

$$(X) = \frac{(A)}{96.75} \times \frac{(\text{Nose Gear Net Weight}) (795) \times (B) 137.75}{\text{Nose and Main Landing Gear Weight Totalled } (4877)} = (74.30) \text{ Inches}$$

$$\text{CG Arm of Airplane} = 100 + (X) = (174.30) \text{ Inches Aft Datum}$$

MEASURING A AND B

MEASURE A AND B PER PILOT'S OPERATING HANDBOOK INSTRUCTIONS TO ASSIST IN LOCATING CG WITH AIRPLANE WEIGHED ON LANDING GEAR

LEVELING PROVISIONS

LONGITUDINAL - LEFT SIDE OF FUSELAGE AT FS 239.00 & 272.00
LATERAL - SEAT RAILS AFT OF PILOT AND FRONT PASSENGER SEATS

AIRCRAFT WEIGHT & BALANCE

TABLE 1

BASIC ITEMS NOT INCLUDED WHEN WEIGHING	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
2601323-3 Louvered Panel	1.30	78.83	0.10
3960235-1 (S1971-1 Wire)	0.57	290.73	0.17
Aircraft Payload Extender STOL	5.80	184.50	1.07
TOTAL	7.67	174.71	1.34

TABEL 2

DESCRIPTION OF ACTION PERFORMED	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
Cargo Pod Inst	142.85	196.62	28.09
TOTAL	142.85	196.62	28.09

TABEL 3

AIRCRAFT WEIGHING REPORT	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	4877	174.30	850.06
WEIGHT FROM TABLE 1 (+)	7.67	174.71	1.34
SUB TOTAL	4884.67	174.30	851.4
WEIGHT FROM TABLE 2 (-)	142.85	196.62	28.09
TOTAL	4741.82	173.63	823.31

BASIC EMPTY WEIGHT AND CENTER OF GRAVITY TABLE

ITEM	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	4741.82	173.63	823.31
DRAINABLE UNUSABLE FUEL AT 6.75 POUNDS PER GALLON S/N 208B0090 And On	24.1	186.4	4.49
BASIC EMPTY WEIGHT	4765.92	173.69	827.8



AIRCRAFT WEIGHT & BALANCE

LOCATING PERCENT MAC

FORMULA for Percent MAC

$$\begin{aligned}\text{CG Percent MAC} &= \frac{\text{CG Arm of Airplane (173.69)} - 157.57}{0.6640} \\ &= \mathbf{24.28 \%}\end{aligned}$$

AIRCRAFT WEIGHT AND C.G DETERMINATION

REPORT NO : 022/WB/VIII/2019

DATE : 14 AUGUST 2019

AIRCRAFT REGISTRATION	:	PK-SNK	
AIRCRAFT TYPE	:	CESSNA C208 CARAVAN	
AIRCRAFT SERIAL NUMBER	:	20800658	
PROPERTY OF	:	PT. SMART CAKRAWALA AVIATION	
PLACE OF WEIGHING	:	WICHITA, USA	
REASON OF WEIGHING	:	INITIAL	
CONFIGURATION	:	CARGO without Cargo Pod	
PERFORMED BY	:	YINGLING AIRCRAFT INC.	
		SIGNED:	DATE: 14/08/2019
CHECKED BY	:	YINGLING AIRCRAFT INC.	
		SIGNED:	DATE: 14/08/2019

RESULTS

EMPTY WEIGHT	:	4615.32 LBS
C.G ARM OF AIRPLANE	:	172.66 IN
CG PERCENT MAC %	:	22.73 (PERCENT MAC)
VALID UNTIL	:	14 AUGUST 2024

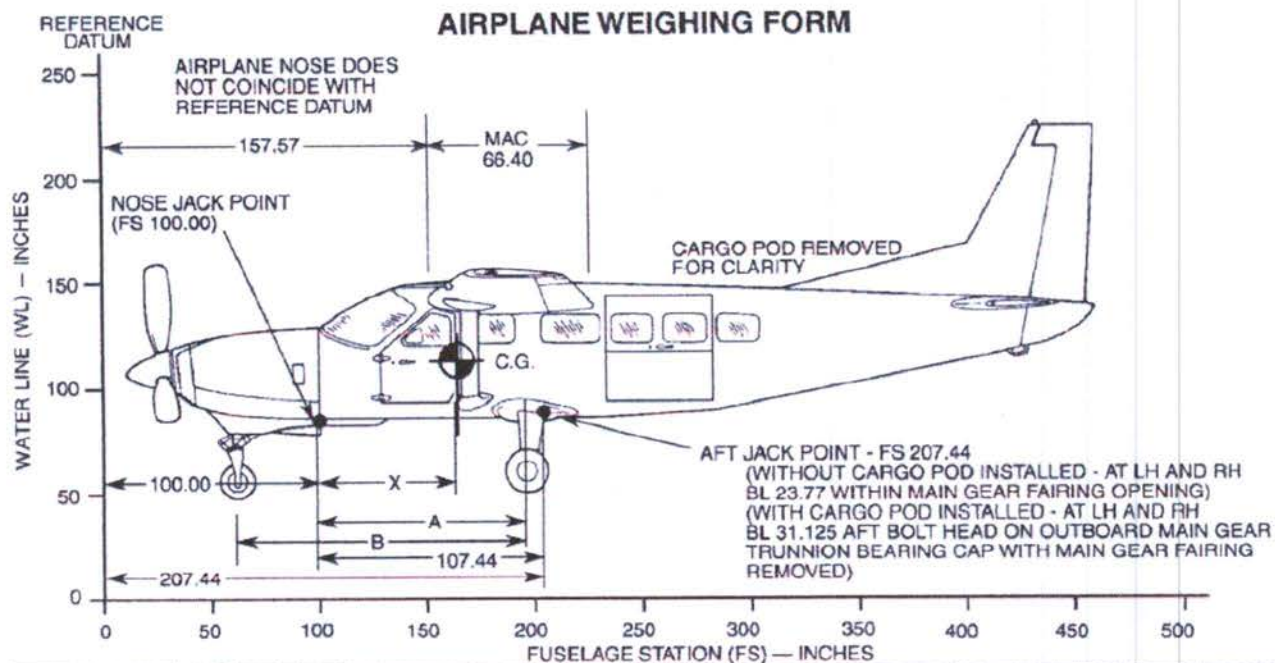
WEIGHING EQUIPMENT

PART NUMBER	:	N/A
SERIAL NUMBER	:	N/A
VALIDATION	:	N/A

APPROVED BY:


Ilham Chairi
 Chief Inspector

AIRCRAFT WEIGHT & BALANCE



A = 96.75 Inches

B = 137.75 Inches

AIRPLANE AS WEIGHED TABLE

POSITION	SCALE READING	SCALE DRIFT	TARE	NET WEIGHT
LEFT SIDE	2014	-	-	2014
RIGHT SIDE	2068	-	-	2068
NOSE	795	-	-	795
AIRPLANE TOTAL AS WEIGHT				4877

LOCATING CG WITH AIRPLANE ON LANDING GEAR

FORMULA for longitudinal CG

$$(X) = \frac{(A)}{96.75} \times \frac{(\text{Nose Gear Net Weight}) (795) \times (B) 137.75}{\text{Nose and Main Landing Gear Weight Totalled } (4877)} = (74.30) \text{ Inches}$$

$$\text{CG Arm of Airplane} = 100 + (X) = (174.30) \text{ Inches Aft Datum}$$

MEASURING A AND B

MEASURE A AND B PER PILOT'S OPERATING HANDBOOK INSTRUCTIONS TO ASSIST IN LOCATING CG WITH AIRPLANE WEIGHED ON LANDING GEAR

LEVELING PROVISIONS

LONGITUDINAL — LEFT SIDE OF FUSELAGE AT FS 239.00 & 272.00
LATERAL — SEAT RAILS AFT OF PILOT AND FRONT PASSENGER SEATS

AIRCRAFT WEIGHT & BALANCE

TABLE 1

BASIC ITEMS NOT INCLUDED WHEN WEIGHING	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
2601323-3 Louvered Panel	1.30	78.83	0.10
3960235-1 (S1971-1 Wire)	0.57	290.73	0.17
Aircraft Payload Extender STOL	5.80	184.50	1.07
TOTAL	7.67	174.71	1.34

TABEL 2

DESCRIPTION OF ACTION PERFORMED	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
Single Seat Assy 2 ND Row – LH	25.10	173.55	4.36
Single Seat Assy 3 RD Row – LH	25.10	205.55	5.16
Single Seat Assy 4 TH Row – LH	25.10	237.55	5.96
Single Seat Assy 2 ND Row – RH	25.10	173.55	4.36
Single Seat Assy 3 RD Row – RH	25.10	205.55	5.16
Single Seat Assy 4 TH ROW – RH	25.10	237.55	5.96
Cargo Pod Instl	142.85	196.62	28.09
TOTAL	293.45	201.27	59.05

TABEL 3

AIRCRAFT WEIGHING REPORT	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	4877	174.30	850.06
WEIGHT FROM TABLE 1 (+)	7.67	174.71	1.34
SUB TOTAL	4884.67	174.30	851.4
WEIGHT FROM TABLE 2 (-)	293.45	201.27	59.05
TOTAL	4591.22	172.59	792.39

BASIC EMPTY WEIGHT AND CENTER OF GRAVITY TABLE

ITEM	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	4591.22	172.59	792.39
DRAINABLE UNUSABLE FUEL AT 6.75 POUNDS PER GALLON S/N 208B0090 And On	24.1	186.4	4.49
BASIC EMPTY WEIGHT	4615.32	172.66	796.88



AIRCRAFT WEIGHT & BALANCE

LOCATING PERCENT MAC

FORMULA for Percent MAC

$$\begin{aligned}\text{CG Percent MAC} &= \frac{\text{CG Arm of Airplane (172.66)} - 157.57}{0.6640} \\ &= 22.73 \%\end{aligned}$$

AIRCRAFT WEIGHT & BALANCE

AIRCRAFT WEIGHT AND C.G DETERMINATION

REPORT NO : 023/WB/VIII/2019

DATE : 14 AUGUST 2019

AIRCRAFT REGISTRATION	:	PK-SNK	
AIRCRAFT TYPE	:	CESSNA C208 CARAVAN	
AIRCRAFT SERIAL NUMBER	:	20800658	
PROPERTY OF	:	PT. SMART CAKRAWALA AVIATION	
PLACE OF WEIGHING	:	WICHITA, USA	
REASON OF WEIGHING	:	INITIAL	
CONFIGURATION	:	AERIAL SURVEY	
PERFORMED BY	:	YINGLING AIRCRAFT INC.	
		SIGNED:	DATE: 14/08/2019
CHECKED BY	:	YINGLING AIRCRAFT INC.	
		SIGNED:	DATE: 14/08/2019

RESULTS

EMPTY WEIGHT	: 4665.52 LBS
C.G ARM OF AIRPLANE	: 173.29 IN
CG PERCENT MAC %	: 23.67 (PERCENT MAC)
VALID UNTIL	: 14 AUGUST 2024

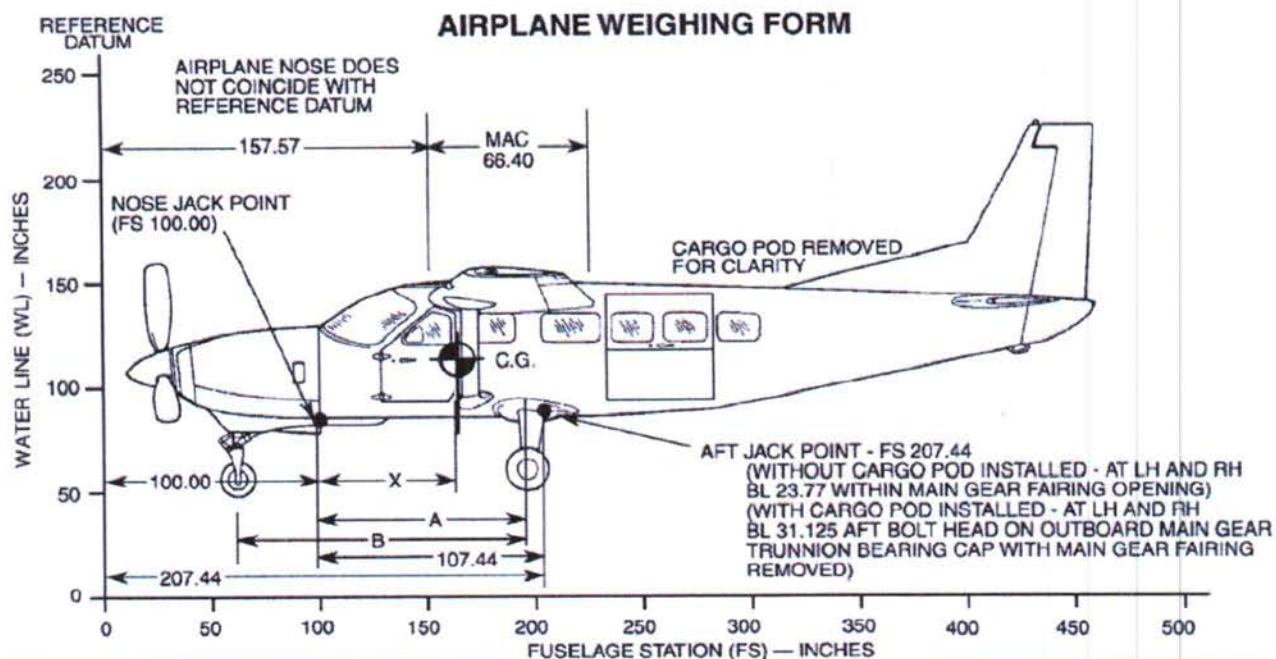
WEIGHING EQUIPMENT

PART NUMBER	: N/A
SERIAL NUMBER	: N/A
VALIDATION	: N/A

APPROVED BY:


Iham Chairi
 Chief Inspector

AIRCRAFT WEIGHT & BALANCE



A = 96.75 Inches

B = 137.75 Inches

AIRPLANE AS WEIGHED TABLE

POSITION	SCALE READING	SCALE DRIFT	TARE	NET WEIGHT
LEFT SIDE	2014	-	-	2014
RIGHT SIDE	2068	-	-	2068
NOSE	795	-	-	795
AIRPLANE TOTAL AS WEIGHT				4877

LOCATING CG WITH AIRPLANE ON LANDING GEAR

FORMULA for longitudinal CG

$$(X) = \frac{(A)}{96.75} \times \frac{(\text{Nose Gear Net Weight}) (795) \times (B) 137.75}{\text{Nose and Main Landing Gear Weight Totalled } (4877)} = (74.30) \text{ Inches}$$

$$\text{CG Arm of Airplane} = 100 + (X) = (174.30) \text{ Inches Aft Datum}$$

MEASURING A AND B

MEASURE A AND B PER PILOT'S OPERATING HANDBOOK INSTRUCTIONS TO ASSIST IN LOCATING CG WITH AIRPLANE WEIGHED ON LANDING GEAR

LEVELING PROVISIONS

LONGITUDINAL - LEFT SIDE OF FUSELAGE AT FS 239.00 & 272.00
LATERAL - SEAT RAILS AFT OF PILOT AND FRONT PASSENGER SEATS

AIRCRAFT WEIGHT & BALANCE

TABLE 1

BASIC ITEMS NOT INCLUDED WHEN WEIGHING	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
2601323-3 Louvered Panel	1.30	78.83	0.10
3960235-1 (S1971-1 Wire)	0.57	290.73	0.17
Aircraft Payload Extender STOL	5.80	184.50	1.07
TOTAL	7.67	174.71	1.34

TABEL 2

DESCRIPTION OF ACTION PERFORMED	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
Single Seat Assy 2 ND Row – LH	25.10	173.55	4.36
Single Seat Assy 3 RD Row – LH	25.10	205.55	5.16
Single Seat Assy 2 ND Row – RH	25.10	173.55	4.36
Single Seat Assy 3 RD Row – RH	25.10	205.55	5.16
Cargo Pod Instl	142.85	196.62	28.09
TOTAL	243.25	193.75	47.13

TABEL 3

AIRCRAFT WEIGHING REPORT	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	4877	174.30	850.06
WEIGHT FROM TABLE 1 (+)	7.67	174.71	1.34
SUB TOTAL	4884.67	174.30	851.4
WEIGHT FROM TABLE 2 (-)	243.25	193.75	47.13
TOTAL	4641.42	173.23	804.01

BASIC EMPTY WEIGHT AND CENTER OF GRAVITY TABLE

ITEM	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	4641.42	172.23	804.01
DRAINABLE UNUSABLE FUEL AT 6.75 POUNDS PER GALLON S/N 208B0090 And On	24.1	186.4	4.49
BASIC EMPTY WEIGHT	4665.52	173.29	808.5

LOCATING PERCENT MAC

FORMULA for Percent MAC

$$\text{CG Percent MAC} = \frac{\text{CG Arm of Airplane (173.29)} - 157.57}{0.6640} = 23.67 \%$$