*	NON-COMPL	LIANCE REQUEST
GalaxyAerospace	1. AUDIT REPORT NO.	IAR-2021/039
maintenance . repair . overhaul	2. NCR NO.	01

PART I - FINDING SECTION	
3. COMPANY: GALAXY AEROSPACE (M) SDN. BHD.	4. AUDIT DATE: 15 DECEMBER 2021
5. LOCATION: GAM-APMM	6. AREA/SECTION: AMO - APMM AW139
7. AUDIT TYPE: INTERNAL / -SURVEILLANCE-/ -VENDOR-/ -PI	RODUCT / -REGULATORY / -CUSTOMER-
8. REFERENCE: TAMM 2ND EDITION REGULATION 5.5.1 PARA D. MMP AW139 (GAM/MMP/APMM) ISSUE 3 AMD 0 DATED 23 FEB 2021 PART 8.1.1 PARA 2 C.	9. LEVEL OF       Level 1 - Require immediate actions         FINDING:       Level 2 - Rectify within 14 days
<b>10. DETAILS OF NON-COMPLIANCE:</b> Weight and balance report for M72-02 (GAM/WR/20/11/31315) found in the Section 2 of the report the equipment used has passe	b. Name of Auditor
	Wan Ahmad Fadhil Wan Mohd Fauzi
	17 December 2021
PART II - ROOT CAUSE(S) / CORRECTIVE & PREVENTIVE	ACTION(S)
11. ROOT CAUSE(S):	
<ul> <li>□ No / Insufficient Manpower</li> <li>□ Facility</li> <li>□ No / Lack of Training</li> <li>□ No / Incomplete R</li> <li>□ No / Insufficient Tooling/Equipment</li> <li>□ No / Inadequate M</li> </ul>	
<b>12. CORRECTIVE ACTION(S):</b> Amendment has been made for weight and balance report M72-02 ( Calibration Certificate dated 8 March 2021. Refer attached weighing kit Calibration Certificate dated 8 March 202	GAM/WR/20/11/31315) on the calibration due date in accordance with 1 and 22 April 2020.
Target date: 22 December 2021 13. PREVENTIVE ACTION(S):	
Ensure to refer to the latest Calibration Certificate of weighing equip	ment.
Target date: 22 December 2021	
Auditee / Head of Dept (Name & Signature):	Reply Date:

*	NON-COMPL	LIANCE REQUEST
GalaxyAerospace	1. AUDIT REPORT NO.	IAR-2021/039
maintenance.repair.overhaul	2. NCR NO.	01

14. NCR REVIEW	
The proposed corrective/preventive actions: <b>ACCEPTABLE NOT ACCEPTABLE</b> If not acceptable, state reason for rejecting the corrective action:	New NCR raised with Rev No.
Auditor (Name & Signature):	Review Date:
	Review Date.
15. NCR FOLLOW-UP AND CLOSURE	
Remarks:	
Auditor (Name & Signature):	Follow-Up Date:
NCR Status: CLOSED OPEN	Closure Date:
16. NCR ACKNOWLEDGEMENT	
Remarks:	
Quality Assurance Manager (Name & Signature):	Date:







Reference No	R121038320	Cert. No. PSYP- 21015612
Date of Issue	08 Mar 2021	
Customer ID: 030049	GALAXY AEROSPACE (M) SDN BHD Suite 11-14, Helicopter Centre Malaysia International Aerospace Centre Sultan Abdul Aziz Shah Airport 47200 Subang Selangor,Malaysia	Page 1 of 2 国家政策国 第1 第1 第1 第1 第1 第1 第1 第1 第1 第1
Instrument	Weighing Scale	
Model Serial No Control No Equipment ID Capacity/Range	INTERCOMP AC125LP-4C 25702886 C9627M AC125LP-4C Max 5000 kg	
Date of Calibration Recalibration Date (Specified by Customer) Condition of Instrument Before Calibration After Calibration	08 Mar 2021 08 Mar 2022 The User should be aware there are many of calibration limits prior to the stated recal Good Physical Condition Calibrated and Serviceable	r factors may cause this instrument to drift out libration date.
Location of Calibration Calibration Environment Calibration Method	Trescal Laboratory (23 ± 2) °C, (55 ± 15) %rh LCP 01309F	

Reference Standard Used			
Reference Instrument	Factory No	Control No	Certificate No
Load Cell With Indicator	PH-F-CL8	C9995F	PSYP-20033303

Traceable to NMIM

Due Date 17 Jun 2021

Calibrated By

**Approved Signatory** 

Muhammad Farid Bin Abdul Azlan Bin Othman The Khale tainties are for a confidence probability of approximately 95%

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Control No. C9627M

## Cert .No PSYP-21015612

Page 2 of 2

### **Instrument Calibrated**

Resolution	1		
Readability	1		ĸġ
Mode	Co	mpress	
Calibration Tempe	erature	23	°C

		ACCURACY TEST			
REFERENCE	UUT	% RE	LATIVE ERROR OF		UUT
FORCE	AFTER ADJUST	REPRODUCIBILITY	INTERPOLATION	ZERO	BEFORE ADJUST
0.0	0				0
50.0	50	0.00	0.12		50
100.0	100	0.00	0.03		99
250.0	250	0.00	-0.01	0.00	246
500.0	500	0.00	-0.02		490
1000.0	1000	0.00	-0.02		987
2000.0	2000	0.00	-0.01		1982
3000.0	3000	0.00	0.00		2981
4000.0	4000	0.00	0.02		3979
4500.0	4498	0.02	PR-0.01 E		4480
leasurement Unc	ertainty ±	1.7	kg		k = 2

Best Fit Curve	Reference Fo	rce = a + b(	UUT) + c(UUT²)	where a,b,c are consta	nt; UUT is instrume	nt reading.	
Dest Fit Guive	Constant	a =	7.86692E-02	b =	9.99566E-01	c =	1.47468E-07

Info 1: UUT - Unit Under Test which is Force Proving Device.

Info 2: Relative Error of Reproducibility - The maximum reproducibility error as a percentage of the average value of deflection for that force.

Info 3: Relative Error of Interpolation - The residual error as a percentage of the mean indicator reading for a given force.

Info 4: Relative Error of zero - The maximum residual indicated output after the application and removal of a series of force.

Info 5 : Refer to 'UUT After Adjust' if adjusted. Otherwise refer 'UUT Before Adjust' if not adjusted. '-' mean not adjust.

The uncertainties are for a confidence probability of approximately 95%

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Reference No	R121038320	Cert. No. PSYP- 21015613
Date of Issue	08 Mar 2021	
Customer ID: 030049	GALAXY AEROSPACE (M) SDN BHD Suite 11-14, Helicopter Centre Malaysia International Aerospace Centre Sultan Abdul Aziz Shah Airport 47200 Subang Selangor,Malaysia	Page 1 of 2
Instrument	Weighing Scale	
Model Serial No Control No Equipment ID Capacity/Range	INTERCOMP AC125LP-4C 25702887 C9628M AC125LP-4C Max 5000 kg	
Date of Calibration Recalibration Date (Specified by Customer) Condition of Instrument Before Calibration After Calibration	08 Mar 2021 08 Mar 2022 The User should be aware there are many of calibration limits prior to the stated recal Good Physical Condition Calibrated and Serviceable	r factors may cause this instrument to drift out libration date.
Location of Calibration Calibration Environment Calibration Method	Trescal Laboratory (23 ± 2) °C, (55 ± 15) %rh LCP 01309F	

Reference Standard Used					
<u>Reference Instrument</u>	Factory No	Control No	Certificate No	<u>Traceable to</u>	<u>Due Date</u>
Load Cell With Indicator	PH-F-CL8	C9995F	PSYP-20033303	NMIM	17 Jun 2021

Calibrated By

Approved Signatory

Muhammad Farid Bin Abdul The Khalid tainties are for a confidence probability of approximately 95%

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Control No. C9628M

## Cert .No PSYP-21015613

Page 2 of 2

-2.41149E-07

c =

### Instrument Calibrated

Resolution	1			
Readability	1		(g	
Node	Co	mpress		
Calibration Tempe	erature	23	°C	

			ACCURACY TEST		
UUT		LATIVE ERROR OF	% RE	UUT	REFERENCE
AFTER ADJUST	ZERO	INTERPOLATION	REPRODUCIBILITY	FORE ADJUST	FORCE BE
-		7		0	0.0
-		0.39	0.00	50	50.0
-		0.32	0.00	100	100.0
-	0.00	-0.11	0.00	249	250.0
-		-0.13	0.00	498	500.0
-		0.05	0.00	998	1000.0
-		-0.02	0.00	1995	2000.0
-		0.00	0.00	2994	3000.0
ORMANC		PR 0.02	0.03	3994	4000.0
-		-0.01	0.00	4492	4500.0
k = 2		kg	1.7	ainty ±	leasurement Uncerta

h =

1.00273E+00

Info 1	UUT - Unit	Under Tes	t which is	Force	Provina I	Device

Constant

Info 2: Relative Error of Reproducibility - The maximum reproducibility error as a percentage of the average value of deflection for that force.

5 62305E-02

Info 3: Relative Error of Interpolation - The residual error as a percentage of the mean indicator reading for a given force.

a =

Info 4: Relative Error of zero - The maximum residual indicated output after the application and removal of a series of force.

Info 5 : Refer to 'UUT After Adjust' if adjusted. Otherwise refer 'UUT Before Adjust' if not adjusted. '-' mean not adjust.

#### The uncertainties are for a confidence probability of approximately 95%

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Reference No	R121038320	Cert. No. PSYP- 21015611
Date of Issue	08 Mar 2021	Dama 4 of 0
Customer ID: 030049	GALAXY AEROSPACE (M) SDN BHD Suite 11-14, Helicopter Centre Malaysia International Aerospace Centre Sultan Abdul Aziz Shah Airport 47200 Subang Selangor,Malaysia	Page 1 of 2
Instrument	Weighing Scale	
Model Serial No Control No Equipment ID Capacity/Range	INTERCOMP AC125LP-4C 25702888 C9629M AC125LP-4C Max 5000 kg	
Date of Calibration Recalibration Date (Specified by Customer) Condition of Instrument Before Calibration After Calibration	08 Mar 2021 08 Mar 2022 The User should be aware there are many of calibration limits prior to the stated recal Good Physical Condition Calibrated and Serviceable	r factors may cause this instrument to drift out libration date.
Location of Calibration Calibration Environment Calibration Method	Trescal Laboratory (23 ± 2) °C, (55 ± 15) %rh LCP 01309F	

Reference Standard Used
Reference Instrument
Load Cell With Indicator

Factory No PH-F-CL8 C9995F

Certificate No PSYP-20033303 Traceable to NMIM

Due Date 17 Jun 2021

Calibrated By

Approved Signatory

Muhammad Farid Bin Abdul The Khale tainties are for a confidence probability of approximately 95%

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Control No. C9629M

## Cert .No PSYP-21015611

Page 2 of 2

## Instrument Calibrated

esolution	1	ka	Specification
eadability	1	kg	N/A
lode	Co	mpress	
Calibration Tempe	erature	23 °C	

			ACCURACY TEST		
UUT		LATIVE ERROR OF	% RE	UUT	REFERENCE
AFTER ADJUS	ZERO	INTERPOLATION	REPRODUCIBILITY	BEFORE ADJUST	FORCE
-		7		0	0.0
-		0.23	0.00	50	50.0
-		0.43	0.00	100	100.0
-	0.00	0.15	0.00	249	250.0
-		-0.02	0.00	497	500.0
-		0.10	0.00	995	1000.0
-		-0.01	0.00	1988	2000.0
-		-0.02	0.03	2982	3000.0
FORMAN		PRO0.00 YOL	0.03	3978	4000.0
-		0.01	0.02	4476	4500.0
k = 2	de constante a	kg	1.7	ncertainty ±	Measurement Un

Best Fit Curve	Reference For	rce = a + b(	UUT) + c(UUT²)	where a,b,c are consta	nt; UUT is instrume	ent reading.	
	Constant	a =	-2.01838E-01	b =	1.00637E+00	c =	-1.82083E-07

Info 1: UUT - Unit Under Test which is Force Proving Device.

Info 2: Relative Error of Reproducibility - The maximum reproducibility error as a percentage of the average value of deflection for that force.

Info 3: Relative Error of Interpolation - The residual error as a percentage of the mean indicator reading for a given force.

Info 4: Relative Error of zero - The maximum residual indicated output after the application and removal of a series of force.

Info 5 : Refer to 'UUT After Adjust' if adjusted. Otherwise refer 'UUT Before Adjust' if not adjusted. - mean not adjust.

#### The uncertainties are for a confidence probability of approximately 95%

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CTE 21 14



# **Certificate of Calibration**

Reference No	R120007883	Cert	No. PSYP- 20020345
Date of Issue	22 Apr 2020		
Customer ID: 030049	GALAXY AEROSPACE ( Suite 11-14, Helicopter C Malaysia International Ae Sultan Abdul Aziz Shah A 47200 Subang Selangor,Malaysia	entre rospace Centre	Page 1 of 2
Instrument	Weighing Scale		
Model Serial No Control No Equipment ID Capacity/Range	INTERCOMP AC125LP-4 25702886 C9627M AC125LP-4C Max 5000 kg	c	
Date of Calibration Recalibration Date (Specified by Customer) Condition of Instrument Before Calibration After Calibration	22 Apr 2020 22 Apr 2021 The User should be awar	the stated recalibration dat	
Location of Calibration Calibration Environment Calibration Method	Pyrometro Laboratory (23 ± 2) °C, (55 ± 15) %rł LCP 01309F	incocar co	прану
Reference Standard Used <u>Reference Instrument</u> Load Cell With Indicator	<u>Factory No</u> <u>Contro</u> PH-F-CL8C999	· · · · · ·	<u>Traceable to</u> <u>Due Date</u> NMIM 19 Jun 2020

**Calibrated By** 

Abdul Aziz Bin Saman

**Approved Signatory** 

Azlan Bin Othman

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#### Control No. C9627M

## Cert .No PSYP-20020345

Page 2 of 2

### **Instrument Calibrated**

1	ka
1	ĸg
Cor	npress
ature	23 °C

Specification	
 N/A	

7			ACCURACY TEST		
UUT		LATIVE ERROR OF	% RE	UUT	REFERENCE
AFTER ADJUST	ZERO	INTERPOLATION	REPRODUCIBILITY	BEFORE ADJUST	FORCE
-				0	0.0
-		-0.19	0.00	50	50.0
R-		0.41	0.00	100	100.0
-	0.00	0.35	0.00	249	250.0
nv -	mpar	0.22	0.00	497	500.0
' y _	mpai	0.09	0.00	993	1000.0
-		-0.02	0.00	1987	2000.0
-		-0.04	0.03	2985	3000.0
-		0.02	0.02	3991	4000.0
-		0.00	0.02	4493	4500.0
k = 2		kg	1.7	ncertainty ±	Measurement U

Best Fit Curve	Reference For	rce = a + b(	UUT) + c(UUT²)	where a,b,c are consta	nt; UUT is instrume	ent reading.	
	Constant	a =	-6.13835E-01	b =	1.01049E+00	c =	-1.94640E-06

Info 1: UUT - Unit Under Test which is Force Proving Device.

Info 2: Relative Error of Reproducibility - The maximum reproducibility error as a percentage of the average value of deflection for that force.

Info 3: Relative Error of Interpolation - The residual error as a percentage of the mean indicator reading for a given force.

Info 4: Relative Error of zero - The maximum residual indicated output after the application and removal of a series of force.

Info 5 : Refer to 'UUT After Adjust' if adjusted. Otherwise refer 'UUT Before Adjust' if not adjusted. '-' mean not adjust.

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CTEPIB



# **Certificate of Calibration**

Reference No	R120007883 Cert. No. PSYP- 20020346
Date of Issue	22 Apr 2020
Customer ID: 030049	GALAXY AEROSPACE (M) SDN BHDPage 1 of 2Suite 11-14, Helicopter CentreImage: CentreMalaysia International Aerospace CentreImage: CentreSultan Abdul Aziz Shah AirportImage: Centre47200 SubangImage: CentreSelangor, MalaysiaImage: Centre
Instrument	Weighing Scale
Model Serial No Control No Equipment ID Capacity/Range	INTERCOMP AC125LP-4C 25702887 C9628M AC125LP-4C Max 5000 kg
Date of Calibration Recalibration Date (Specified by Customer) Condition of Instrument Before Calibration After Calibration Location of Calibration Calibration Environment Calibration Method	22 Apr 2020 22 Apr 2021 The User should be aware there are many factors may cause this instrument to drift out of calibration limits prior to the stated recalibration date. Good Physical Condition Calibrated and Serviceable Pyrometro Laboratory (23 ± 2) °C, (55 ± 15) %rh LCP 01309F
<b>Reference Standard Used</b> <u><b>Reference Instrument</b></u> Load Cell With Indicator	<u>Factory No</u> <u>Control No</u> <u>Certificate No</u> <u>Traceable to</u> <u>Due Date</u> PH-F-CL8 C9995F PSYP-19044637 NMIM 19 Jun 2020

**Calibrated By** 

Abdul Aziz Bin Saman

**Approved Signatory** 

Azlan Bin Othman

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#### Control No. C9628M

## Cert .No PSYP-20020346

Specification N/A

Page 2 of 2

### **Instrument Calibrated**

Resolution	1	ka
Readability	1	ĸg
Mode	Cor	npress
Calibration Tempera	ature	23 °C

		ACCURACY TEST				
REFERENCE	UUT					
FORCE	BEFORE ADJUST	EFORE ADJUST REPRODUCIBILITY INTERPO		ZERO	AFTER ADJUST	
0.0 50.0 100.0 250.0 500.0 1000.0 2000.0 3000.0 4000.0 4500.0	0 50 100 250 500 999 1997 2995 3993 4492	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.32 -0.09 0.05 0.09 0.02 -0.01 -0.01 0.00 0.00	0.00 mpai	y :	
Measurement U	ncertainty ±	1.4	kg		k = 2	

Rost Eit Curvo	Reference Fo	rce = a + b(	'UUT) + c(UUT²)	where a,b,c are consta	nt; UUT is instrume	nt reading.	
Best Fit Curve	Constant	a =	-2.23309E-01	b =	1.00130E+00	c =	1.24472E-07

Info 1: UUT - Unit Under Test which is Force Proving Device.

Info 2: Relative Error of Reproducibility - The maximum reproducibility error as a percentage of the average value of deflection for that force.

Info 3: Relative Error of Interpolation - The residual error as a percentage of the mean indicator reading for a given force.

Info 4: Relative Error of zero - The maximum residual indicated output after the application and removal of a series of force.

Info 5 : Refer to 'UUT After Adjust' if adjusted. Otherwise refer 'UUT Before Adjust' if not adjusted. '-' mean not adjust.

## The uncertainties are for a confidence probability of approximately 95%

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CTE/DI C



# Certificate of Calibration

Reference No Date of Issue Customer ID: 030049	R120007883 22 Apr 2020 GALAXY AEROSPACE (M) SDN BHE Suite 11-14, Helicopter Centre Malaysia International Aerospace Cen Sultan Abdul Aziz Shah Airport 47200 Subang Selangor,Malaysia	国政業が適回
Instrument Model Serial No Control No Equipment ID Capacity/Range Date of Calibration Recalibration Date (Specified by Customer) Condition of Instrument Before Calibration After Calibration Location of Calibration Calibration Environment Calibration Method	of calibration limits prior to the stated r Good Physical Condition	any factors may cause this instrument to drift out ecalibration date.
Reference Standard Used <u>Reference Instrument</u> Load Cell With Indicator		ertificate No <u>Traceable to</u> <u>Due Date</u> YP-19044637 NMIM 19 Jun 2020

**Calibrated By** 

Abdul Aziz Bin Saman

**Approved Signatory** 

Azlan Bin Othman

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### PYROMETRO SERVICES (M) SDN BHD

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Control No. C9629M

## Cert .No PSYP-20020347

Page 2 of 2

## Instrument Calibrated

Resolution	1	lea
Readability	1	- ĸg
Mode	Cor	npress
Calibration Temperat	ture	23 °C

Specification	

N/A

20

			ACCURACY TEST		
UUT		LATIVE ERROR OF	REFERENCE UUT FORCE BEFORE ADJUST		
AFTER ADJUS	ZERO	REPRODUCIBILITY INTERPOLATION			
<b>A</b> -	D			0	0.0
-		0.23	0.00	50	50.0
R		0.29	0.00	100	100.0
-	0.00	-0.06	0.00	249	250.0
hV -	mpar		0.00	497	500.0
· y _	mpui	-0.05	0.00	995	1000.0
-		0.06	0.05	1990	2000.0
-		-0.01	0.03	2979	3000.0
_		-0.01	0.02	3967	4000.0
-		0.00	0.02	4460	4500.0
k = 2		kg	1.6	ncertainty ±	leasurement Ur

Best Fit Curve	Reference Fo	rce = a + b(	'UUT) + c(UUT²)	where a,b,c are consta	nt; UUT is instrume	nt reading.	
	Constant	a =	-5.22375E-02	b =	1.00331E+00	c =	1.26485E-06

Info 1: UUT - Unit Under Test which is Force Proving Device.

Info 2: Relative Error of Reproducibility - The maximum reproducibility error as a percentage of the average value of deflection for that force.

Info 3: Relative Error of Interpolation - The residual error as a percentage of the mean indicator reading for a given force.

Info 4: Relative Error of zero - The maximum residual indicated output after the application and removal of a series of force.

Info 5 : Refer to 'UUT After Adjust' if adjusted. Otherwise refer 'UUT Before Adjust' if not adjusted. '-' mean not adjust.

#### The uncertainties are for a confidence probability of approximately 95%

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