

A AUDIT DETAILS	
1. Audit Type / Category	<p>Tick where applicable</p> <p><input type="checkbox"/> Scheduled <input type="checkbox"/> Vendor</p> <p><input type="checkbox"/> Surveillance <input type="checkbox"/> Product</p> <p><input checked="" type="checkbox"/> Variation to approval</p> <p>Specify: To extend approved maintenance location for aircraft type Airbus Helicopters AS 355 N fitted with Safran Helicopter Engines Arrius 1A engines.</p>
2. Audit Reference	<p>1. CAD 8601 Maintenance Organisation Approval (CAAM Part 145) Iss 01 Rev 01 dated 15<sup>th</sup> November 2022;</p> <p>2. GAM/CAAM/MOE Iss 4 Rev 0, dated 10 June 2024; and</p> <p>3. GAM/EPM/AMO Iss 3 Rev 0, dated 01 Aug 2024.</p>
3. Auditor(s)	1. Amira binti Zakaria (Lead Auditor)
4. Auditee(s)	1. Hairudeen bin Mat
5. Location	Pasukan Gerakan Udara Polis Diraja Malaysia Pangkalan Sabah, Jalan Airport, Tanjung Aru, 8810 Kota Kinabalu, Sabah.
B AUDIT SUMMARY	
1. <b><u>General Information</u></b>	<p>This audit was conducted to evaluate the readiness of Galaxy Aerospace (M) Sdn. Bhd. (GAM) to include aircraft type Airbus Helicopters AS 355 N fitted with Safran Helicopter Engines Arrius 1A engines into the scope of line and base maintenance approval at address as per below detail:</p> <p style="text-align: center;">Pasukan Gerakan Udara Polis Diraja Malaysia Pangkalan Sabah (PGU KK), Jalan Airport, Tanjung Aru, 8810 Kota Kinabalu, Sabah.</p> <p>GAM had an intention to extend the above aircraft type at the PGU KK and PGU Subang for line and base maintenance inspection. Currently, GAM is only approved for the stated aircraft type at the location as stated below:</p> <p style="text-align: center;">Hangar 2 Universiti Kuala Lumpur, Malaysia Institute of Aviation Technology (UniKL MIAT), Subang Campus, UniKL MIAT, Persiaran A, Off Jalan Lapangan Terbang, 47200 Subang, Selangor.</p> <p>The audit was carried out with reference to the Capability Evaluation Checklist and MOC Ref. No.: GAM/MOC/24/0060.</p> <p>Audit methodology used during audit were sampling of documents/product, interview with personnel, and inspection of the work area.</p>

The scope of audit area covers:

- (a) Facility requirement;
- (b) Personnel requirement;
- (c) Maintenance Data / Documentation; and
- (d) Tools, Equipment and Material.

The variation was requested for external interested clients or GAM future maintenance contract.

2. **Facility**

- (a) Facility comprised of maintenance area (hangar), office accommodation, and storage area.
- (b) The hangar space to accommodate the maintenance found sufficient to the current capacity.
- (c) Maintenance racks was found available in the store area and sufficient for the operation and properly labelled for its use.
- (d) Lighting at the hangar is available, and adequate for intended maintenance. The lighting is provided by the hangar spotlights.
- (e) The facility is also equipped with electrical power source, water and (4) grounding point/port.
- (f) One registered laptop and printer are available for accessing maintenance data, paperwork and administration purposes.
- (g) Apron and dispersal area found sufficient and safe for aircraft arrival and departure activities.

3. **Personnel**

- (a) Total of nine (9) proposed certifying staff available to certify the maintenance work. Refer below for details:

No.	Name	Licence No.	Category	Rating
1.	Syafrul Yamani bin Safruddin	E2790	B1.3	AS355N
2.	Hairudeen bin Mat	E3627	B1.3	AS355N&F2
3.	Ibrahim Hazly bin Mohamad Yusuf	E3840	B1.3	AS355N
4.	Mohd Amiruddin bin Azmi	E4285	B1.3	AS355N&F2
5.	Mohd Azlan bin Tahir	E2552	B2	AS355
6.	Mohd Kamal El Asyeeq bin Mislan	E2548	B2	AS355N
7.	Muhammad Nasoha bin Rashid	E2517	B2	AS355N
8.	Nor Shafina binti Mohd Din	E3731	B2	AS355N&F2
9.	Ahmad Zhafri bin Mohd Nor	E4135	B2	AS355N

- (b) Type training course for Hairudeen bin Mat; the B1.3 certifying staff was reviewed and found that he had successfully completed the type training course on 15 February 2013.

4. **Tool, Equipment and Material**

- (a) The tools and equipment were kept in the toolbox and/or cabinet which were labeled and identified properly. The traceability of tools was maintained and controlled using a Tool Masterlist.
- (b) Refer Appendix 1 for list of maintenance that require special tools.
- (c) The auditee informed that all the special tools will be provided by the operator.

5. **Maintenance Data / Documentation**

- (a) The publication involved in this maintenance is as per below details:

No.	Description	Rev. No.	Rev. Date
1.	Orion AS355	Rev 010	2023-09-18
		Upd 010	2024-04-09
2.	ARRIUS 1A MAINTENANCE MANUAL VOL 1 TO 3 DOC NO. X 319 D6 300 2	UPD NO 34	2024-03-30
3.	ARRIUS 1A SPARE PARTS CATALOG DOC NO. X 319 D6 700 2	UPD NO 32	2024-03-30
4.	ARRIUS 1A MAINT. TOOLS CATALOG DOC NO. X 319 D6 800 2	UPD NO 04	2024-03-30
5.	ARRIUS 1A TROUBLESHOOTING DOC NO. X 319 D6 300 2	UPD NO 34	2024-03-30

- (b) The Publication Master List Issue No. GAM/P-2024-31 dated 11 OCT 2024 was reviewed during the audit, all the maintenance data listed was compare with the laptop ID GAM/IT\_ASSET/H520 and found satisfactory. All the manuals were in the current revision.


6. **Conclusion**


There was no non-conformance raised during this audit.

In conclusion, GAM PGUkk operation has shown compliance for the Part 145 operation and recommended for additional line and base maintenance inspection for aircraft type Airbus Helicopters AS 355 N .

**Audit Report**

Report No.	IAR-2024/076
Area / Scope	GAM-AMO AS 355 N
Date of audit	17/10/2024

C PREPARATION AND APPROVAL	
1.	<p>Prepared by</p> <p>Signature :  Date : 17 OCT 2024</p> <p><b>AMIRA ZAKARIA</b> Quality Assurance Inspector Name : Galaxy Aerospace (M) Sdn. Bhd. (1040262-D)</p>
2.	<p>Approved by</p> <p>Signature :  Date : 18.10.2024</p> <p><b>OMAR BIN AHMAD</b> Quality Assurance Manager Name : Galaxy Aerospace (M) Sdn. Bhd. (1040262-D)</p>

	<b>Audit Report</b>	
	Report No.	IAR-YYYY/OXX
	Area / Scope	GAM-XXXX
	Date of audit	DD/MM/YYYY

**INSTRUCTION FOR COMPLETING GAM/Q-009, INTERNAL AUDIT REPORT**

Report No.	Fill in audit report number, in accordance with quality department internal audit report register						
Area / Scope	Fill in the department / operation that the audit focuses on. Options are as follows:  <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">GAM-CAMO</td> <td style="width: 50%;">GAM-APMM</td> </tr> <tr> <td>GAM-145</td> <td>GAM-FENNEC</td> </tr> <tr> <td>GAM-VENDOR</td> <td></td> </tr> </table>	GAM-CAMO	GAM-APMM	GAM-145	GAM-FENNEC	GAM-VENDOR	
GAM-CAMO	GAM-APMM						
GAM-145	GAM-FENNEC						
GAM-VENDOR							
Date of audit	Fill in date of audit. If the audit takes more than one day, specify each audit dates.  E.g.: 01/04/2021 – 03/04/2021 <b>OR</b> 01/04/2021, 03/04/2021 – 05/04/2021						
Section A (1)	Select audit type/category as applicable. The selection is not restricted to only one type/category of audit. Specify the audit type/category selected in the space provided, e.g.:  Tick where applicable <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> Scheduled</td> <td><input type="checkbox"/> Vendor</td> </tr> <tr> <td><input type="checkbox"/> Surveillance</td> <td><input type="checkbox"/> Product</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> Variation to approval</td> </tr> </table> Specify: Compliance audit for additional AMO capability on Bell 429 aircraft maintenance	<input type="checkbox"/> Scheduled	<input type="checkbox"/> Vendor	<input type="checkbox"/> Surveillance	<input type="checkbox"/> Product		<input checked="" type="checkbox"/> Variation to approval
<input type="checkbox"/> Scheduled	<input type="checkbox"/> Vendor						
<input type="checkbox"/> Surveillance	<input type="checkbox"/> Product						
	<input checked="" type="checkbox"/> Variation to approval						
Section A (2)	Fill in the audit reference inclusive of regulation referred to, documents used during audit as well as procedures (manual) referred to during the audit						
Section A (3)	Fill in names of auditors involved in the audit. Specify the lead auditor with a label beside the name, e.g.: Omar bin Ahmad (Lead Auditor)						
Section A (4)	Fill in names of auditees involved in the audit						
Section A (5)	Fill in the address of the audit location.						
Section B	Fill in the summary of the audit, which could include audit methodology, audit elements, observation, and finding.						
Section C (1)	Fill in signature and name of personnel that prepared the audit report, as well as the date audit report was prepared						
Section C (2)	Fill in signature and name of personnel that approves the audit report, and the date of report approval.						

## Appendix 1

## BASE MAINTENANCE RELEASE (BMR) FOR AS355 N

## 150 HOURS // 12 MONTHS INSPECTION

NO.	TASK NO.	ITEM	PART NUMBER	QUANTITY	REMARK
1	62-20	DIAL INDICATOR	703A94-0000-00	1	PROVIDED BY PGU
2	65-10	ENDSCOPE	COMMERCIAL	1	LOAN FROM HQ

## 150 HOURS INSPECTION

NO.	TASK NO.	ITEM	PART NUMBER	QUANTITY	REMARK
1	21-00	FUNNEL	COMMERCIAL	1	
2	21-01	RULER	COMMERCIAL	1	
3	21-02	LIGHT SOURCE	COMMERCIAL	1	
4	22-10	TEST SET	CEL84-22-40-00	1	PROVIDED BY PGU
5	22-10	HYDRAULIC BENCH	COMMERCIAL	1	
6	22-10	ELECTRICAL GROUND POWER UNIT	COMMERCIAL	1	

## 12 MONTHS INSPECTION

NO.	TASK NO.	ITEM	PART NUMBER	QUANTITY	REMARK
1	25-00	FLASH LIGHT	COMMERCIAL	1	
2	25-00	MAGNIFYING GLASS	COMMERCIAL	1	
3	34-25	28 V DC GROUND POWER UNIT	COMMERCIAL	1	

## 600 HOURS INSPECTION

NO.	TASK NO.	ITEM	PART NUMBER	QUANTITY	REMARK
1	33-45	ELECTRICAL GROUND POWER UNIT	COMMERCIAL	1	
2	64-10	400 GRIT ABRASIVE PAPER	COMMERCIAL	1	
3	65-20	TORQUE WRENCH	COMMERCIAL	1	
4	65-20	MIRROR	COMMERCIAL	1	
5	77-00	OHMMETER	COMMERCIAL	1	

## 600 HOURS // 24 MONTHS INSPECTION

NO.	TASK NO.	ITEM	PART NUMBER	QUANTITY	REMARK
1	34-20	28 VDC SUPPLY	COMMERCIAL	1	
2	22-10	GPU 28VDC/175A	COMMERCIAL	1	
3	25-63	OHMMETER	COMMERCIAL	1	
4	25-58	VOLTMETER	COMMERCIAL	1	
5	25-66	OHMMETER/MEGOHMMETER	COMMERCIAL	1	
6	53	LIGHT SOURCE	COMMERCIAL	1	
7	55-20	WRENCH	COMMERCIAL	1	
8	63-23	FILLER GAUGE	COMMERCIAL	1	
9	64-10	400 GRIT ABRASIVE PAPER	COMMERCIAL	1	
10	65-10	ENDORSCOPE	COMMERCIAL	1	LOAN FROM HQ
11	65-20	VIBREX 2000	COMMERCIAL	1	LOAN FROM HQ
12	67-20	HYDRAULIC RIG	COMMERCIAL	1	
13	76-16	SPRING SCALE	COMMERCIAL	1	

## 24 MONTHS INSPECTION

NO.	TASK NO.	ITEM	PART NUMBER	QUANTITY	REMARK
1	34-10	AIR DATA TEST EQUIPMENT	COMMERCIAL	1	LOAN FROM HQ

## 1200 HOURS // 48 MONTHS

NO.	TASK NO.	ITEM	PART NUMBER	QUANTITY	REMARK
1	28-20	28V DC STARTER UNIT	COMMERCIAL	1	
2	29-10	STANDARD BLANKING CAP	COMMERCIAL	1	
3	53-00	LIGHT SOURCE	COMMERCIAL	1	
4	63-20	MGB/TGB DRAIN LINE	703A95-0505-00	1	PROVIDED BY PGU
5	63-20	ENGINE DRAIN LINE	703A95-0520-01	1	PROVIDED BY PGU
6	76-06	SPRING BALANCE	COMMERCIAL	1	

## 144 MONTHS INSPECTION

NO.	TASK NO.	ITEM	PART NUMBER	QUANTITY	REMARK
1	05-29	MAGNET	COMMERCIAL	1	
2	21-20	BLANKING PLUG	350A72-4476-00	1	PROVIDED BY PGU
3	21-20	LEAK DETECTOR	COMMERCIAL	1	
4	21-20	SEALING BAG	COMMERCIAL	1	
5	21-20	AIR SOURCE (NITROGEN & COMPRESS AIR)	COMMERCIAL	1	

## 150 HOURS ENGINE INSPECTION

NO.	TASK NO.	ITEM	PART NUMBER	QUANTITY	REMARK
1	71-02	BOROSCOPE	COMMERCIAL	1	LOAN FROM HQ

600 HOURS ENGINE INSPECTION

NO.	TASK NO.	ITEM	PART NUMBER	QUANTITY	REMARK
1	71-02	BOROSCOPE	COMMERCIAL	1	LOAN FROM HQ
2	71-02	VIBREX 2000	COMMERCIAL	1	LOAN FROM HQ

Prepared by:

Hairudeen Mat

Deputy Engineering Manager (DEM)