

Reference No. : GAM/CAMO/CAAM-CAME/23-869(183)/ZNZ
Date : 10 October 2023

Director,
Airworthiness Division,
Civil Aviation Authority of Malaysia
Aras 2, Blok Podium, No. 27,
Persiaran Perdana, Presint 4,
Pusat Pentadbiran Kerajaan Persekutuan
62618 PUTRAJAYA.

Attn : Mr. Mohd Sofian Bin Biyamin
Senior Assistant Director

Dear Sir,

ADDITIONAL SUBMISSION FOR APPROVAL OF GAM'S CONTINUING AIRWORTHINESS MANAGEMENT EXPOSITION (CAME) ISSUE 3 REV 3 DATE 25 AUGUST 2023

Ref.:

- (1) GAM/CAMO/CAAM-CAME/23-776(165)/ZNZ – Letter “Submission for Approval of Galaxy Aerospace (M) Sdn Bhd (GAM)’S Continuing Airworthiness Management Exposition (CAME) Issue 3 Rev 3 Date 25 August 2023” dated 07 September 2023.
- (2) GAM/CAMO/CAAM-VARIATION/23-868(182)/ZNZ – Letter “Application for Variation of CAMO Approval CAMO/2016/03 for Aircraft Airbus Helicopters AS350 B3 fitted with Safran Helicopter Engines Arriel 2D Engine” dated 10 October 2023.

With reference to application (1) above, we would like to submit additional pages for CAME Issue 3 Rev 3 for CAAM’s approval. This submission is to include aircraft Airbus Helicopter AS350B3 into GAM CAMO scope of approval as reference in (2).

Enclosed please find the related amended pages for your perusal:

1. Additional CAME pages ref. GAM/CAAM/CAME Issue 3 Revision 3 Date 25 August 2023 (page LOEP, Amendment Record, 0.2 Scope of Work)

Your kind consideration much appreciated. We are looking forward for your favourable response soon.

Thank you.

Best regards,

For and on behalf of
GALAXY AEROSPACE (M) SDN. BHD.



OMAR BIN AHMAD
QUALITY ASSURANCE MANAGER



III. LIST OF EFFECTIVE PAGES

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1	1.1	1 – 6	3	3	25 August 2023

The revised CAME had been internally reviewed for submission to CAAM for final approval		Approved by:
Prepared by:	Reviewed by:	
Continuing Airworthiness Management Manager	Quality Assurance Manager	Civil Aviation Authority of Malaysia
ZATY NADHIRA BINTI MOHAMAD ZUHARI Continuing Airworthiness Management Manager Galaxy Aerospace (M) Sdn Bhd (1040262-D)		
Date: 04 SEP 2023	Date: 05 SEP 2023	Date:





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	5.8	36 – 42	3	3	25 August 2023
	5.9	43 – 59	3	3	25 August 2023

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Date: 04 SEP 2023	Date: 05 SEP 2023	Date:



ISSUE NO	REV NO	DATE	DETAILS	EFFECTIVE DATE
			<ul style="list-style-type: none"> b. 5.1.16 – Include AJL for RMPAOF ICP fleet (Cessna 208, Cessna 172S and PC-6) 9. <u>5.4 List of Approved Maintenance Organizations and List of Maintenance Contracts</u> <ul style="list-style-type: none"> a. Include GAM AMO capability for aircraft type EC155B1 and R44 II. 10. <u>5.6 List of Approved Maintenance Programme as per CAD 6801 and CAD 6802</u> <ul style="list-style-type: none"> a. Include AMP for RMPAOF Cessna 172S and Cessna 208 fleet. 	
3	2	22-May-23	<ul style="list-style-type: none"> b. Remove AMP for Tuah Usaha R44 II (9M-DAK) fleet due to termination of CAMO. 11. <u>5.7 Details of Aircraft Managed by GAM CAMO</u> <ul style="list-style-type: none"> a. Remove 9M-GGB and 9M-DAK due to termination of CAMO. 12. <u>5.8 Manpower Resources and Management Tool</u> <ul style="list-style-type: none"> a. Update manpower resources and management. 13. <u>5.9 List of Approved Limited Scope of Maintenance Activities</u> <ul style="list-style-type: none"> a. 5.9.7 – Amend table numbering due to typo. 	31-May-23
3	3	25-Aug-23	<ul style="list-style-type: none"> 1. <u>Cover Page</u> <ul style="list-style-type: none"> a. Updated CAME revision no and date. 2. <u>II. Table of Content</u> <ul style="list-style-type: none"> a. Update page number. 3. <u>III. List of Effective Pages</u> <ul style="list-style-type: none"> a. Update revision no and revision date of revised pages. 4. <u>IV. Amendment Record</u> <ul style="list-style-type: none"> a. Update amendment details for Direct Approval Amendments. 5. <u>V. Certificate of Approval</u> <ul style="list-style-type: none"> a. Update latest Certificate of Approval 6. <u>VII. Abbreviation List</u> <ul style="list-style-type: none"> a. Include abbreviation meaning for MMEL and MOC. 7. <u>0.2 General Information and Scope of Work</u> <ul style="list-style-type: none"> a. Include aircraft type AS350B3 fitted with Arriel 2D to Scope of Approval. 	2 weeks from CAAM approval date in III – List of Effective Pages



ISSUE NO	REV NO	DATE	DETAILS	EFFECTIVE DATE
3	3	25-Aug-23	<p>8. <u>0.3 Management Personnel</u></p> <p>a. 0.3.9.2 Training Policy – Elaborate requirement on initial training and continuous training.</p> <p>9. <u>1.1 Aircraft Journey Log Utilisation and MEL Application</u></p> <p>a. 1.1b MEL Application – Amend form title to Aircraft Deferred Defect Record.</p> <p>10. <u>1.2 Aircraft Maintenance Programme (AMP)</u></p> <p>a. 1.2.2.3 AMP Amendments – Include participants for AMP review committee.</p> <p>b. 1.2.2.4 Approval by the CAAM – Amend paragraph reference.</p> <p>11. <u>1.3 Time and Continuing Airworthiness Records</u></p> <p>a. 1.3.2 Preservation of Continuing Airworthiness Records – Amend paragraph to specify method on keeping the records.</p> <p>12. <u>1.4 Accomplishment and Control of Airworthiness Directive</u></p> <p>a. 1.4.4 Airworthiness Directive Listing – Include reference to detailed procedure in CAMP.</p> <p>13. <u>1.5 Analysis of the Effectiveness of the Maintenance Programme</u></p> <p>a. 1.5.2 Liaison Meetings – Make reference to paragraph 1.2.2.3.2 on the committee member.</p> <p>14. <u>1.8 Defect Reports</u></p> <p>a. 1.8.6 Mandatory Occurrence Reporting – Airworthiness Aspect – Update channel for reporting MOR to CAAM through CARES.</p> <p>15. <u>1.11 Pre-flight Inspections</u></p> <p>a. 1.11.1 General – Scope and Definition – Added title sub-chapter to content as per CAAM CAME checklist.</p> <p>b. 1.11.2 Evaluation of Pre-flight Inspection Content – Added title sub-chapter to content as per CAAM CAME checklist.</p> <p>c. 1.11.3 Concurrent with AMP – Added new sub-chapter policy as per CAAM CAME checklist.</p>	2 weeks from CAAM approval date in III – List of Effective Pages

ISSUE NO	REV NO	DATE	DETAILS	EFFECTIVE DATE
3	3	25-Aug-23	<p>22. <u>5.6 List of Approved Maintenance Programme as per CAD 6801 and CAD 6802</u></p> <p>a. Remove AMP for 9M-BGH, 9M-HFA, 9M-JAG due to termination of CAMO contract.</p> <p>23. <u>5.7 Details of Aircraft Managed by GAM CAMO</u></p> <p>a. Remove aircraft 9M-BGH, 9M-HFA, 9M-JAG due to termination of CAMO contract.</p> <p>24. <u>5.8 Manpower Resources and Mangement Tool</u></p> <p>a. Update manpower resources and management.</p> <p>25. <u>5.9 List of Approved Limited Scope of Maintenance Activities</u></p> <p>a. Include list for aircraft AS350B3 (Ariel 2D).</p>	2 weeks from CAAM approval date in III – List of Effective Pages

0.2 General Information and Scope of Work

0.2.1 Description of the Organisation

0.2.1.1 GAM CAMO is structured under the management of the Accountable Manager. A Quality System is established which works independently and monitors all activities on the continuing airworthiness management system to ensure that it remains in conformity with the applicable Part M requirements. For the complete management structure refer to the organisation's management chart in Chapter 0.4 of this CAME.

0.2.1.2 GAM CAMO is an approved organisation performing Part M Subpart G and I privileges for aircraft as listed on the approval certificate.

0.2.2 Relationship with Other Organisation

0.2.2.1 GAM CAMO currently operates independently and wholly owned by Galaxy Aerospace (M) Sdn. Bhd. (GAM).

0.2.2.2 GAM CAMO is approved by CAAM to perform mass and balance activities for aircraft scope as listed in GAM Mass and Balance Programme (MBP) Chapter 0.2.2.

0.2.2.3 GAM is also an independent Part 145 approved organisation performing contracted maintenance, repairs and overhaul activities and Part 21 approved design organisation.

0.2.2.4 GAM CAMO utilises GAM AMO as maintenance provider to meet the requirements of Part M and also supported by other CAAM Part 145 AMO to ensure that the aircraft managed are always within the controlled environment.

0.2.2.5 Details of the current maintenance contractors are listed in Chapter 5.4 of this CAME.

0.2.3 Scope of Work – Aircraft Managed

0.2.3.1 GAM is authorised to carry out continuing airworthiness management, in addition to make recommendations for the airworthiness review report (ARR) to CAAM and issuance of Permit to Fly as listed on the approval certificate.



0.2.3.2 A detailed list of CAMO contract reference and the aircraft managed by GAM CAMO in accordance with CAAM Part M Subpart G and I are listed in CAME Chapter 5.7 – Details of Aircraft Managed by GAM CAMO.

0.2.4 List of Aircraft Maintenance Programme

0.2.4.1 GAM CAMO developed the Aircraft Maintenance Programme and approved by CAAM.

0.2.4.2 Refer CAME Chapter 5.6 for the list of approved Aircraft Maintenance Programme under GAM CAMO.

0.2.5 Type of Operation

0.2.5.1 GAM CAMO is orientated to manage aircraft from general aviation, pilot's training schools, and limited subcontracted continuing airworthiness management tasks for commercial hire and commercial operations.

0.2.6 Organisation's Scope of Work (Scope of Approval)

0.2.6.1 The capabilities of GAM CAMO Continuing Airworthiness Management are based on CAAM approval under CAD 6802 as per below:

Date Included	Rating	CAM	AR	PTF
15 Jun 2017	Leonardo AW139 (PWC PT6C engines)	✓	✓	✓
15 Jun 2017	Airbus Helicopters EC120B (Safran Helicopter Engines Arrius 2F engine)	✓	✓	✓
15 Jun 2018	Airbus Helicopters AS355F1 (Rolls-Royce 250-C20F engines)	✓	-	-
15 Jun 2018	Leonardo A109S (PWC PW207C engines)	✓	-	-
15 Jun 2018	Leonardo AW189 (GE CT7 engines)	✓	✓	✓
15 Apr 2019	Airbus Helicopter EC155B (Safran Helicopter Engines Arriel 2C1 engines)	✓	✓	✓
15 Jun 2019	Airbus Helicopter EC155B1 (Safran Helicopter Engines Arriel 2C2 engines)	✓	✓	✓

Date Included	Rating	CAM	AR	PTF
15 Apr 2019	Airbus Helicopters AS365N2 (Safran Helicopter Engines Arriel 1C2 engines)	✓	✓	✓
15 Apr 2019	Bell 429 (PWC PW207D engines)	✓	✓	✓
21 Oct 2019	Leonardo A119 (PWC PT6B engine)	✓	-	-
06 Jan 2020	Leonardo A109E (PWC PW206C engines)	✓	✓	✓
01 Apr 2020	Tectron Aviation Inc. Beechcraft 300 (PWC PT6A engine)	✓	✓	✓
04 Jan 2021	Robinson R44 (Lycoming O-540 engine)	✓	-	-
15 Jun 2022	Robinson R66 (Rolls-Royce 250-C300 engine)	✓	✓	✓
15 Jun 2022	Textron Aviation Inc. Cessna 172S (Lycoming IO-360 engine)	✓	✓	✓
15 Jun 2022	Tectron Aviation Inc. Cessna 208 (PWC PT6A engine)	✓	✓	✓
15 Jun 2022	Pilatus Aircraft Ltd. PC-6 (PWC PT6A engine)	✓	✓	✓
02 Mar 2023	Robinson R44 II (Lycoming IO-540 engine)	✓	✓	✓
Refer latest GAM CAMO Terms of Approval Certificate	Airbus Helicopters AS350 B3 (Safran Helicopter Engines Arriel 2D engine)	✓	-	-



No.	Maintenance Flight Test (MFT)	Maintenance Task	Condition
	MFTS Reference: GAM/CAMO/R66/MFTS/MM72-803	OMM 05-21-00-800-801 TABLE 602 Item 18	

5.9.14 AS350B3 (Arriel 2D) Maintenance Activities that requires Maintenance Flight Test

No.	Maintenance Flight Test (MFT)	Maintenance Task	Condition
1.	Check of the main rotor blade track at blade tip - Main rotor blades AMM 62-11-00,6-4	Removal / Installation - Main Rotor Blades - Main rotor blades AMM 62-11-00,4-1	If the same blade is installed and there is a vibration during flight. If the blade has been replaced.
2.	Adjustment - Check and Correction of the Vertical Z and Horizontal Y Vibrations - Main Rotor AMM 62-00-00,5-1	Removal / Installation - Main Rotor Blades - Main rotor blades AMM 62-11-00,4-1	If the same blade is installed and there is a vibration during flight. If the blade has been replaced.
3.		Installation - Main Rotor Hub POST MOD 076120 - Main rotor hub AMM 62-21-00,4-2	If the Main Rotor Hub is replaced or after replacement of one of its components.
4.		Assembly - Main Rotor Hub PRE MOD 076232 - Main rotor hub AMM 62-21-00,4-4	If replaced parts of the Main Rotor Hub during the disassembly.
5.	Autorotation test (Section 8 FLM).	Adjustment - Main Rotor Flight Controls (single or Dual hydraulic version, with AP or without AP) - Main Rotor Flight Controls AMM 67-10-00,5-1	If the "LOW PITCH" stop was adjusted,
6.	Level flight (Section 8 FLM).	Adjustment / Test - ARRIEL 2B Engine Control - ARRIEL 2B Anticipator AMM 76-11-02,5-1	-
7.		Diagnosis of anomalies through vibration analysis - Unscheduled Inspections AMM 05-50-00,6-21	-



No.	Maintenance Flight Test (MFT)	Maintenance Task	Condition
8.	Functional Check Flight (Section 8 FLM).	Operation to be carried out after immersion - Unscheduled Inspections AMM 05-50-00,6-24	-