

GALAXY AEROSPACE (M) SDN. BHD. (1040262-D)

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Malaysia International Aerospace Centre,
Sultan Abdul Aziz Shah Airport,
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Selangor Darul Ehsan, Malaysia.

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DEFECT REPORT

LIGHTNING STRIKE ON AIRCRAFT

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1.0 INTRODUCTION

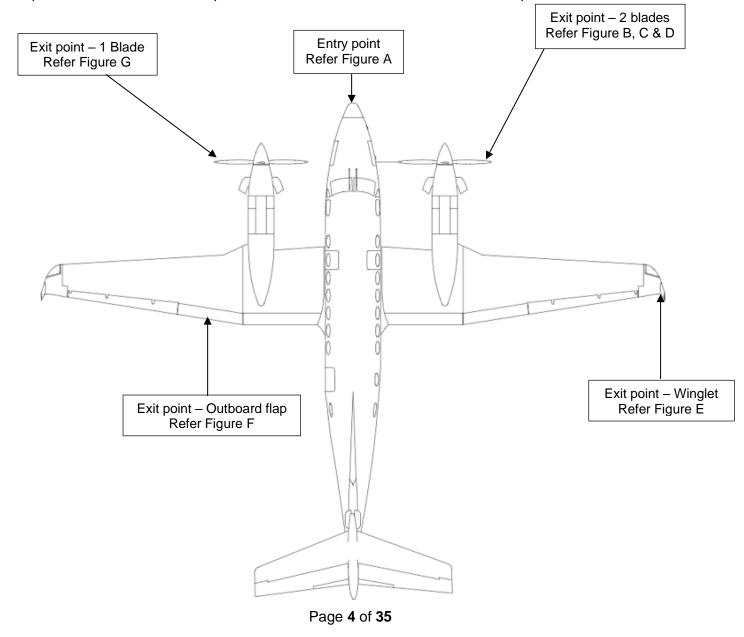
Aircraft Type:	BEECHCRAFT B300 (SUPER KING AIR 350)	
Aircraft Registration:	9М-РТВ	
Aircraft Serial Number:	FL-593	
Hours:	5835:20	
Landing:	88	
Date:	11 th January 2023	
Location:	PASUKAN GERAKAN UDARA HANGAR	
Occurrence:	LIGHTNING STRIKE ON AIRCRAFT:	
	 On January 11, 2023, at 15:33 hours, the pilot heard a loud bang and saw a lighting spark on the right propeller as the aircraft descended from FL 260 through FL 230, 15 NM from waypoint ADNUT. The airplane is on the taxiway Alpha WSMA to PGU apron for disposal. During the transition hover prior to landing for ground taxy, lightning struck the ground on the starboard side of the aircraft. GAM LAE performed a preliminary inspection to locate the aircraft's lightning strike entry and exit points. Upon inspection, found out the entry point was at the aircraft radome and the exit points found at several location included: 1 point LH propeller blade, 2 points RH propeller blades, LH outboard flap, RH winglet. 	



2.0 DESCRIPTION OF DAMAGE

2.1 LIGHTING STRIKE POINT OF ENTRY:

1. Based on the visual inspection, the aircraft was suspected to be struck on the nose radome. Refer picture below:





2.2 LIGHTNING STRIKE POINT OF EXIT: WINGLET AND OUTBOARD FLAP

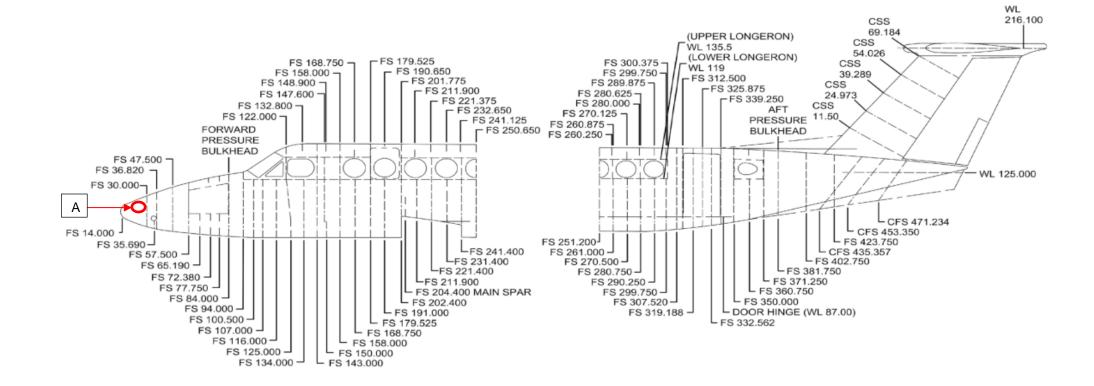




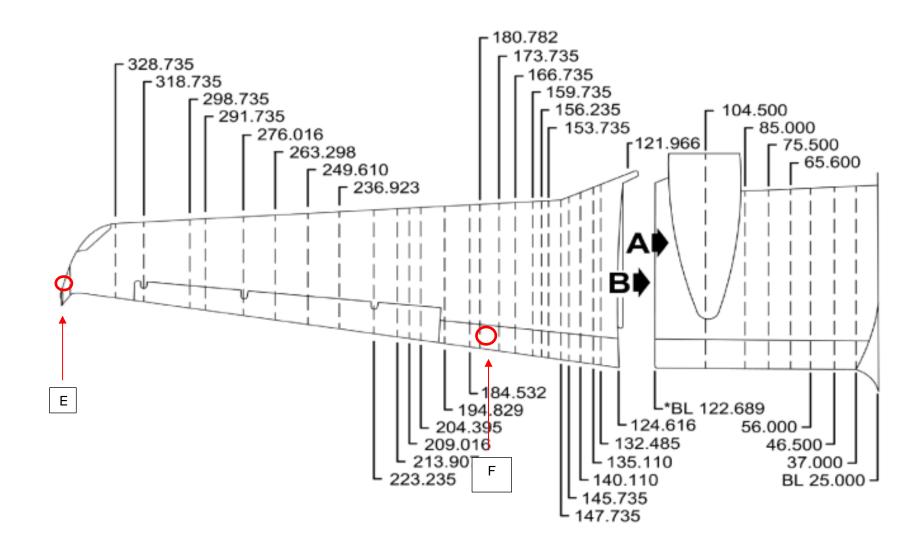




Figure A: Radome



2.3 LIGHTNING STRIKE POINT OF EXIT: WINGLET AND OUTBOARD FLAP







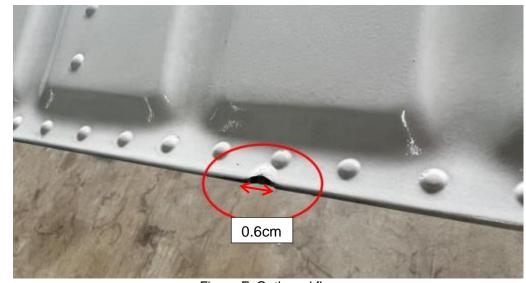
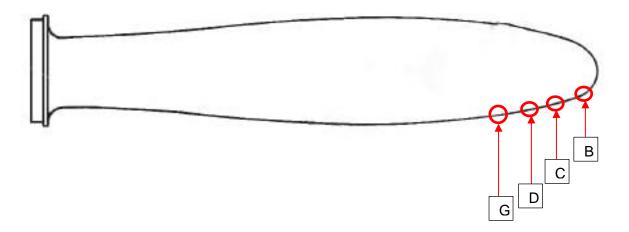


Figure E: Winglet

Figure F: Outboard flap



2.4 LIGHTING STRIKE POINT OF EXIT: BLADE



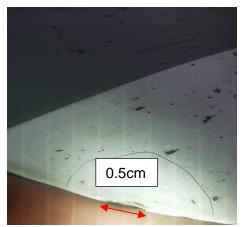


Figure B: Propeller blade

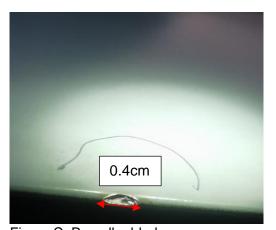


Figure C: Propeller blade

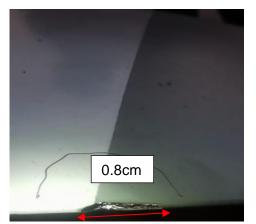


Figure D: Propeller blade

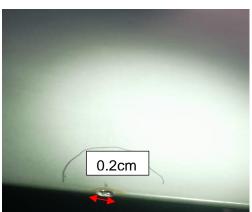


Figure G: Propeller blade



3.0 CHRONOLOGY

NO.	DATE	DESCRIPTION	REMARKS
1.	11th January 2023	Pilot reported lightning spark on the right propeller with a loud bang during flying from WBGG to WMSA.	Appendix A
		GAM LAE carried out preliminary inspection after received report from flight crew to identify the damage cause by lightning strike.	
2.	12 th January 2023	GAM conducted Crisis Management Meeting for 9M-PTB lightning strike occurrence.	Appendix B
		Mandatory Occurrence Report (MOR) has been submitted to CAAM.	
		CAMO issued Work order (2023- 14151) for After Lightning Strike Inspection	
3.	13 th January 2023	AMO initiate thorough inspection based on Work order (2023-14151)	Appendix C



			Thailte la ice Tepair. Over
		GAM raised Technical Query email to Pratt & Whitney regarding the occurrence.	
4.	15 th January 2023	GAM raised Technical Query email to Textron Aviation regarding the occurrence.	Appendix D
		LH and RH Propeller Assy removed from 9M-PTB for workshop inspection.	
		LH and RH Propeller Governor removed from 9M-PTB for workshop inspection.	



4.0 DETAIL INSPECTION CARRIED OUT:

4.1 INSPECTION AFTER LIGHTNING STRIKE

NO.	COMPONENT	INSPECTION / CHECK	RESULT	REMARKS
STRU	CTURE			
1.	PROPELLER	 Inspect the propeller blades Removed the propeller. 	 Found one pit on the LH side and three pits on RH side propeller blade. Propeller LH and RH side are removed for overhaul. Propeller governor are removed for overhaul. 	 Whenever the propeller has been struck by lightning, the propeller governor must be replaced or overhauled. Refer to Woodward Service Bulletin 33574 or subsequent revision. Textron recommend the propeller to be SENT OUT to manufacturer for overhaul as mention in AMM.
2.	ENGINE	 Propeller shaft and flange must be checked for magnetism. Checked electrical discharge at the C-flange or at the compressor turbine. Inspect the main oil filter Borescope inspection carried out to inspect engines internal 	 Residual magnetism found less than ±3 gauss No burn sign on C-flange. No metal particles detected. No defect found. 	 Refer to SKA B300 AMM ATA 05-50-00. As there are no metal particles found the engine is considered SERVICEABLE.



_	1	,		maintenance . repair . overhaul
3.	FUSELAGE, EMPENNAGE, AND WING SURFACES	 Inspect the nose radome. Inspect antenna and electrical and electronic equipment. Inspect wing tips for burn marks, arching holes, rippled skin and condition. Inspect for missing, broken or damage static dischargers (wicks). 	 Found 1 burn mark on the radome. Found 3 burn marks inside the radome, which might break the wire mesh. Antenna and electrical and electronic equipment found satisfactory. Found burn mark and on the winglet. 13 out of 25 static dischargers are replaced due to low resistance. 	 Refer to SKA B300 AMM ATA 05-50-00. Winglet will be repaired as per Structural Inspection Repair Manual. Textron recommend to check the static dischargers using a megohmmeter with a minimum test voltage of 500 volts to measure resistance of the static dischargers. Refer to SKA B300 ATA 23-60-00.
4.	FUEL TANKS	 Inspect the external surface of the fuel tank. Accomplish a bonding test between the fuel tank and the wing surface. Accomplish bonding test between the fuel tank tail-cap and forward fuel tank structure. 	 No loose or missing fasteners or rivets. Bonding test found the maximum reading less than 2.5 milliohms. 	Refer to SKA B300 ATA 05-50-00.



	CABIN	 Inspect the cabin blower 	 Found 2 cabin blower motor inoperative. 	 Refer to SKA B300 ATA 21-21-00
5.	BLOWER			 Install new cabin blower.



5.0 ON-GOING INSPECTION:

NO.	COMPONENT	REMARKS
1.	NIL	NIL

6.0 PARTS REPLACED:

NO.	COMPONENT	REMARKS
1.	STATIC WICK	13 EA REPLACED

7.0 PARTS TO BE REPLACED:

NO.	COMPONENT	REMARKS
1.	NIL	NIL

8.0 PARTS TO BE SENT TO WORKSHOP:

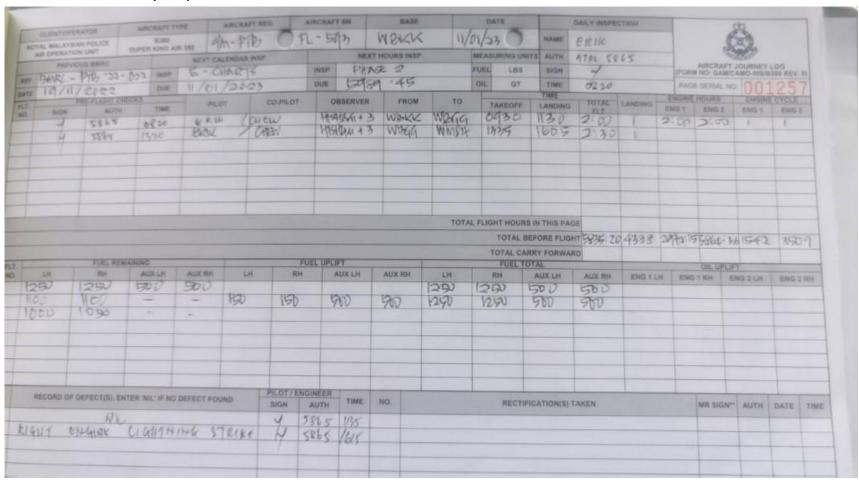
NO.	COMPONENT	REMARKS	
1.	PROPELLER	 Propeller to be inspect or replaced utilizing the Hartzell Standard practices manual 202A. 	
2.	PROPELLER GOVERNOR	 Propeller governor replaced or overhaul to be carry out according to Woodward SB 335748 due to lighting strike. 	



APPENDIX

APPENDIX A

1) AIRCRAFT JOURNEY LOG (AJL)





2) PRELIMINARY REPORT

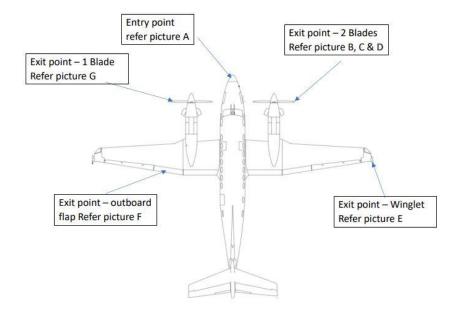
Date: 11/1/2023

PRELIMINARY REPORT OF 9M-PTB LIGHTNING STRIKE

At 1533hrs 11th January 2023 while descending from FL 260 through FL 230 at 15 NM before waypoint ADNUT, pilot observed lightning spark on the right propeller with a loud bang.

Inspection Report

During Inspection found:-





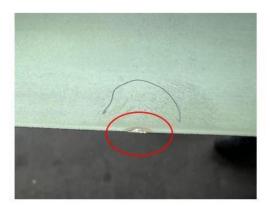
PICTURE A - ENTRY POINT



PICTURE B - EXIT POINT



Page 1 Page 2



PICTURE C - EXIT POINT



PICTURE D - EXIT POINT

Page 3



PICTURE E - EXIT POINT



PICTURE F - EXIT POINT

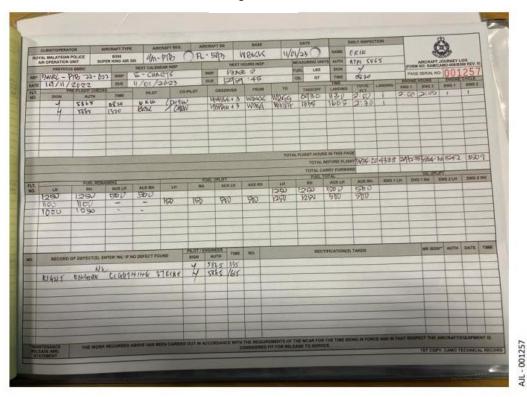


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PICTURE G - EXIT POINT

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APPENDIX B

1) MINUTE OF MEETING



CRISIS MANAGEMENT MINUTES OF MEETING - 01/23

Meeting Title:	9M-PTB Lightning Strike	
Date of Meeting:	12 Jan 2023	
Time:	0930H – 1015H	
Location:	COO Office, GAM OC	
Chairperson:	Omar bin Ahmad (Quality Assurance Manager)	
Attendee:	Azillah bin Matap (Deputy Engineering Manager) Wan Izahan Zameeree Ishak (Safety & Health Manager – SHM) Haji Amran Shah bin Masnon (Chief Engineer) Amir bin Abdullah (Deputy CAMM) Mohd Zainurin bin Mat Arip (GAM – EIC) Mohd Syafiq bin Ismail (ARS) Mustaqim Mofty (Safety Executive) Muhammad Izzuddin bin Ibeharim (QAI)	

Meeting Objective	
To carry out investigation and determine root cause analyses on the incidents	dent. Lightning Strike on 9M-

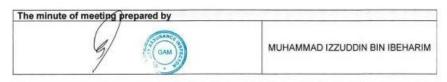
No.		Remarks							
1.0	Welcoming Chairman welcoming everyone with thanks to all for being present at the meeting even to short notice.								
2.0	2.0 Introduction To discuss the incident of lightning strike on 9M-PTB during flight								
3.0	Incident Information Incident Date Incident Time Aircraft Type Aircraft Registration Serial Number Owner Operator Detail Incident	11 Jan 2023 1533 hours King Air B300 9M-PTB FL-593 PASUKAN GERAKAN UDARA (PDRM) PASUKAN GERAKAN UDARA (PDRM(At 1533hrs 11th January 2023 while descending from FL 260 through FL 230 at 15 NM before waypoint ADNUT, pilot observed lightning							
		spark on the right propeller with a loud bang. Preliminary Inspection carried out by GAM LAE with to identify the lightning entry and exit point on the aircraft. Inspection found 1. Entry point – Aircraft nose 2. Exit Point i. 1 LH propeller blade ii. 2 RH propeller blades iii. LH outboard flap iv. RH winglet							





No.	Topic	Discussion	Remarks
No. 4.0	Root Cause	a) Materials Not applicable	
		b) Method Not applicable	
		c) Environment Weather – lightning strike	
		d) Machines To be determine	
		e) Man To be determine	
	Corrective Action	Aircraft was grounded for troubleshooting after reported by pilot	
5.0		b) CAMO Planner to raise Work Pack for aircraft lightning strike inspection	
5.0		c) AMO to carry out inspection as required by manufacture AMM/EMM	
6.0	Preventive Action	a) GAM to liaise with Engine Technical Rep. for recommended action	
7.0	Reporting	a) PGU to raise OR - Borang 9 to CAAM Flight Ops	
		b) To raise MOR Airworthiness Aspect to CAAM	Ref: MOR/2023/01
5.0 6.0 7.0		c) GAM to raise Exemption Letter from KPI 1,2, & 3 calculation to PGU	

Closing			
The meeting end at	1015	hours.	



The minute of meeting verified by	
OMAR BIN AHMAD Quality Assurance Manager Galexy Aerospace (M) Sdn. Bind (1040262-0)	OMAR BIN AHMAD



2) EMAIL TO CAAM

M Gmail

Nur Asfeena Roslan <asfeena.galaxy@gmail.com>

Fw: Mandatory Occurrence Reporting (MOR) KingAir B300 9M-PTB - Lightning Strike

messages

Mohd Zainurin Mat Arip <zainurin galaxyaerospace@gmail.com>

To: Nur Asfeena Roslan <asfeena.galaxy@gmail.com>

Sent from my phone

----- Original message ------

From: omar@galaxyaerospace.my

Date: Thu, 12 Jan 2023, 17:38

To: mor.airworthiness@caam.gov.my

Cc: 'SHAMSUL KAMAR SAMSUDIN' <a magaalaxyaerospace.my>, 'ismail sulaiman' <a mail su

Subject: Mandatory Occurrence Reporting (MOR) KingAir B300 9M-PTB - Lightning Strike

Assalamualaikum wbt.

Dear Sir/Madam,

With reference to the above subject, we would like to report to your good office with respect to incident occurred for the following aircraft:

Incident Date

11 Jan 2023

Incident Time

1533 hours King Air B300

9M-PTB

Aircraft Type

5000

Aircraft Registration
Serial Number

rial Number FL-593

Owner

PASUKAN GERAKAN UDARA (PDRM)

Operator PASUKAN GERAKAN UDARA (PDRM)



Owner	PASUKAN GERAKAN	I UDARA (PDRM)
Operator	PASUKAN GERAKAN	UDARA (PDRM)
Detail Incident	15 NM before waypoir propeller with a loud b	ary 2023 while descending from FL 260 through FL 230 at nt ADNUT, pilot observed lightning spark on the right ang, Preliminary Inspection carried out by GAM LAE with t ntry and exit point on the aircraft. Inspection found
	1. Entry point – A	ircraft nose
	2. Exit Point	
	9.	1 LH propeller blade
	ii.	2 RH propeller blades
	III.	LH outboard flap
	iv.	RH winglet
Enclosed please find:		
1. CAAM/AW/8503-0	1	
2. Preliminary Report		
Crisis Managemen	t Meeting Minute 01/23	
Further inputs will be	provided once we complete the	ne investigation and inspections.
Thank you.		
Regards,		
OMAR AHMAD		
Quality Assurance Manage	er.	

GALAXY AEROSPACE (M) SDN BHD





CIVIL AVIATION AUTHORITY OF MALAYSIA

MANDATORY OCCURRENCE REPORT (MOR) - AIRWORTHINESS ASPECT (Civil Aviation Regulation 2016)

SECT	TON 1 - SUBMITTER INFORMAT	ION						
1.1	Date of Occurrence		1	11 Januar	y 2023			
1.2	Aircraft Registration :			9M-PTB				
1.3	Submitter Type		8	AMO - Pa	rt 145			
1.4	Organisation Approval / AML I	Num	ber 1	AMO/201	16/02			
1.5	Submitter's Designated MOR I	Refer	ence :	MOR/202	23/01			
SECT	ION 2 - ADDITIONAL INFORMA	TION						
2.1	If Submitter Type is CAMO/CA	0	9.	General A	wiation -	Private Operation	on	
2.2	If Submitter Type is AMO (Part M Subpart F)/ AML Holder	If Submitter Type is AMO (Part 145/ Part M Subpart F)/ AML Holder			Base			
2.3	If Submitter Type is POA		2	Choose ar	nitem.			
SECT	TON 3 - MAJOR EQUIPMENT ID	ENTI	TY					=
3.1	AIRCRAFT DETAILS							
(a)	Manufacturer/TC Holder	:	TEXTRON A	VIATION I	NC.			
(b)	Type/Model	:[KING AIR B	300				
(c)	Serial Number	::	FL-593					
(d)	Total Time Since New TTSN (Hours)	88	5835:20		(e)	Total Cycles Since New TCSN	ા	3766
3.2	ENGINE DETAILS					Searces		
(a)	Manufacturer/TC Holder	::	PRATT & W	HITNEY CA	NADA			
(b)	Type/Model	:	PT6A-60A					
(c)	Serial Number	:	PCE-PK118	3 / PCE-PK	0970			
(d)	TTSN/TTSO (Hours)	:	#1 -2972:15 #2 - 5863:3		(e)	TCSN/TCSO	(%)	#1 - 1539 #2 - 3506 /
3.3	PROPELLER DETAILS							
(a)	Manufacturer/TC Holder	: [HARTZELL					
(b)	Type/Model	:	HC-B4MP-3	ic				
(c)	Serial Number	:	#1 - FWA-4 #2 - FWA-5					
(d)	TTSN/TTSO (Hours)	:	#1 - 5610:5 #2 - 3434:2		(e)	TCSN/TCSO	ः	1



SECTI	ON 4 - PROBLEM DESCRIPTION	i)					
	At 1533hrs 11th January 202 observed lightning spark on to identify the lightning entry 1. Entry point – Aircraf 2. Exit Point i. 1 LH propeller bla ii. 2 RH propeller bla iii. Un outboard flap iv. RH winglet	he right prope y and exit point t nose de	ller wit	h a loud bang. Pro	eliminary Ins		
SECTI	ON 5 - MOR INFORMATION						
5.1	ATA Code		53 F	USELAGE			
5.2	Sub ATA Code						
5.3	How Discovered	1	0-0	Other		Specify if o	ther: VISUAL CONTAC
5.4	Nature of Condition	3	0-0	Other		Specify if o	ther: LIGHTNING
5.5	Precautionary Procedures	:	0-0	Other			ther: AFFECTED GROUNDED
SECTI	ON 6 - SUPPORTING DOCUME	NT DETAILS (AI	MM, AI	O, SB, CAME, MOE	, ETC, DIRECT	TLY RELEVAN	T TO OCCURRENCE)
6.1	Type of Document	8		Hardcopy	DE .5	oftcopy	
6.2	Document Name		Occu	rrence Report			
6.3	Document Reference Number		GAN	1/Q-038			
SECTI	ON 7 - SPECIFIC PART OR STRU	CTURE CAUSIN	G DIFF	ICULTY			
7.1	Part Name :						
7.2	Part No. :						
7.3	Part Condition :						
7.4	Time Since (Hours) :		- 23			Repair	□ Inspection
7.5	Manufacturer's Name :		353				
7.6	Serial No. :						
7.7	Part Detect Location :	Others (Plea	se state	e)			
7.8	*If other location (please specify)						
7.9	TTSN/TTSO (Hours) :	1					
7.10	TCSN/TCSO :	1					
ECTI	ON 8 - COMPONENT ASSEMBL	Y THAT INCLUE	DES DE	FECTIVE PART			
8.1	Component Name :	N/A					
8.2	Part No.						
0.6							

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CAAM/AW/8503-01 140921

140921

CAAM/AW/8503-01

CAAM/AW/8503-01 140921 ☐ Repair □ Inspection 8.4 Time Since (Hours) Manufacturer's Name 8.6 Serial No. 8.7 Location 8.8 TTSN/TTSO (Hours) 8.9 TCSN/TCSO 8.10 Is the part rotable : YES NO SECTION 9 - DECLARATION 9.1 V I hereby declare that all the particulars given above are true and correct. OMAR BIN AHMAD 9.2 Submitter's Name 9.3 Contact Number 013-3639578 9.4 Email Address omar@galaxyaerospace.my CAAM OFFICIAL (MOR Coordinator) Date Received by **CAAM Designated** MOR Reference : [MOR Reference Number] Number

CAAM Designated MOR Reference Number	: [M	AOR Reference Number]
CAAM OFFICIAL (Inspector) Assessment (Detail out how assessment is carried a assessment).	ut; desktop revie	ew, interviews, site inspection, etc. and the conclusion of the
Click or tap here to enter text.		
Action (State Inspector's recommended imme- immediate corrective action taken by ti		action conveyed to the organisation or state the acceptable
Click or tap here to enter text.		
Inspector's Signature :		Date : invertidate
Inspector's Name / Stamp :		

CAAM/AW/8503-01 140921

INSTRUCTIONS

	A THE CONTRACT OF THE CONTRACT
SECTI	ON 1 - SUBMITTER INFORMATION
1.5	Submitter must assign its own MOR reference number for the purpose of document control.
SECTI	ON 4 – PROBLEM DESCRIPTION
10000	Describe the occurrence in chronological order including any mishaps that occurred or hazard that it presents.
SECTI	ON 5 - MOR INFORMATION
5.2	Refer to the Sub ATA Code listed in CAGM 8503.
SECTI	ON 6 – SUPPORTING DOCUMENT DETAILS
6.2	Related document that helps illustrates the occurrence.
SECTI	ON 7 - SPECIFIC PART OR STRUCTURE CAUSING DIFFICULTY
7.1	Specific part or structure being the cause or contribute to the cause of the occurrence.
	*Note: if the detail information was not able to be acquired within 48 hours of the occurrences for the compilation of the report, the detail shall be included in the pre-analysis report of the occurrence.
SECTI	ON 8 - COMPONENT ASSEMBLY THAT INCLUDES DEFECTIVE PART
8.1	The component assembly that contains a defective part that cause the occurrence.
	*Note: if the detail information was not able to be acquired within 48 hours of the occurrences for the

4) WORK PACK 2023-14151



GALAXY AEROSPACE (M) SDN. BHD. [1040262-D] Suite 11-14. Helicopter Centre, Milaysia International Aerospace Centre, Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor, Malaysia. Tel: +803 7734 7226 | Fax: +803 7734 7526 www.galaxysardspace.my | enquiry@galaxysardspace.my

WORK ORDER

To: GALAXY AEROSPACE (M) SDN, BHD. Address: Lot 11-14, MRO Centre, Malaysia Work Order Number: 2023-14151 International Aerospace Centre, SAAS Airport, Work Pack Reference 9M-PTB-14151 Subang Malaysia Date Issued: 12/01/2023 Attention: Mr. Syafrul Yamani 9M-PTB/FL-593 A/C Registration / SN: Engineering Manager syafrul@galaxyaerospace.my 1 OF 1

Description:

Hem	Description/Task/Inspection	Reference	Man Hours
1	INSPECTION AFTER LIGHTNING STRIKE	SKA 8300 MM ATA 05-00-00, TABLE 608	(PLEASE ADVISE)

- 1. State this Work Order reference on your Work Package. Should there is any additional job/defect juniess apacified in the work package; the maintenance
- organization must notify GAM Continuing Almortheiass Manager prior to proceed with nestification.

 2. Wark must be certified out in accordance with approved data and perform by guidelined personnial Approved LAE from the maintenance organization.

 3. Parts used must be written in Paris Report Form and accomparised by AMC, Serviciosible Label or equivalent document.

- 4. Test report, parameter reading or any supporting data must be attached with the worksheet if applicable.
 5. The maintenance organization hand be reapproached for any damage made on the indicated components during maintenance.
 6. Softcopy of completed Work Package shall be submitted or an mutual agreed and GAM Continuing Amonthineas Munage must be informed once the aircraft
- is Release to Service.

 7. Completed Work Package (original) must be submitted to GAM Continuing Amenthmess Manager office within 3 days of date of completion.

I hereby declare that an approved and up to date maintenance data has been referred for the assuance of this work order.

Zaty Nachina Mohemed Zuhan Continuing Airworthiness Management Manager Email: zaty@galaxysercspacs.my



WORKPACK GalaxyAerospace* CLIENT/OWNER: ROYAL MALAYSIA SERIAL NO. HOURS WORKPACK NO: 9M-PTB-14151 POLICE AIRCRAFT TYPE: B300 (SKA350) WORK/INSP/DESC: LIGHTNING STRIKE AIRCRAFT FL-803 #1 ENGINE: PCE-PK1183 AERONET JOB NO.: 2023-14151 REGISTRATION: 9M-PTB AJL REF NO. BASE/FACILITY: WMSA #2 ENGINE PCE-PK0970 DATE IN SHEET NG/N1 NE/N2 Reason for raising: Raised by and date: Other requirements/information: INSPECTION AFTER LIGHTNING STRIKE TO BE CARRY OUT IN ACCORDANCE WITH CAMO; Nurul Huseus NOT APPLICABLE AIRCRAFT MAINTENANCE PROGRAMME: RMPACF/CAMQ/AMP/B300 (SSUE 2 Zainol Abidin REVISION 0 DATED MAY-31-2021. SKA B300 AMM REVISION C3 DATED OCT-15-2020. 12/01/2023 PTBA-60A EMM ISSUE 59.0 DATED OCT-10-2022 OR LATER APPROVED REVISIONS. List of scheduled inspection and all work carried out under this workpack DATE Master Signature Schedule including individual reference COMPLETED INSPECTION / WORK WORKSHEET REF SIGNATURE APP/STAME INSPECTION AFTER LIGHTNING STRIKE 14151-001 PART 145 - AND RELEAS STATEMENT.
THIS IS TO CERTIFY THAT YOU WORK USTED ABOVE HAS BEEN INSPECTED AND ACCOMPUSHED IN ACCORDANCE WITH CONTRACTED AND PROFESSION AND PROCESSING LATEST SEVERICH, AND NAME OEM PUBLICATION/REVISION AS PER REASON FOR RAISING ABOVE "IF DIFFERENT FROM ABOVE, DEM PUBLICATION/REVISION... □ * TICK

WHERE APPLICABLE PART M - CAMO ACCEPTANCE STATEMENT THIS IS TO CERTIFY THAT THE ABOVE MENTIONED WORK PACKAGE HAS BEEN REVIEWED, CHECKED FOR COMPLETION AND UPDATED IN THE MAINTENANCE SOFTWARE GAM/C-004 Rev 3 (01/22)



WORKSHEET

10.000		_	_				-			
CLIENT/	OWNER: ROYAL MALAYSIA POLICE		SERIAL NO.	HOURS	LDG/C	YCLE	WORKSHEET	14131401		
AIRCRA	FT TYPE: 8300 (SKA350)	AIRCRAFT	FL-593		ORKPACK		WORK/INSP/D			
REGIST	RATION: SM-PTB	#1 ENGINE	PCE-PK1183	REFER W	ORKPACK		WORKPACK R	aren services		
BASE/F	ACILITY: WMSA	#2 ENGINE	PCE-PK0970	REFER W	CUCKPACK		AJL REF NO.	REFER WOR	BUYACK	
DATE IN	нетельством ОИТ: папельством				NS/N1	NF/N2	SHEET:	1 OF 8		
NSPEC ARCIV	for raising: CTION AFTER LIGHTNING STRIKE T AFT MAINTENANCE PROGRAMME- TO DATED MAY-31-2021 OR LATE	PMPAOF/CAMO/	WP/B300 ISSUE		Zaind	end date: urd Huma Abidin 1/2023	Other requirements/information: NOT APPLICABLE			
ttem:		Technician	* Eng. CRS	Dete						
1	TABLE 608. INSPECTION AFTER	LIGHTNING STR	KE.							
	LEFT HAND PROPELLER INSPECTION TO BE CARRY OUT IN ACCORDANCE WITH SKA B - 00-00, TABLE 608 WARRING: PRIOR TO MAKING AN PATIAL AIRPLANE RISPECTED INFOLLOWING A SUSPECTED LEFT INSPECTED LEFT INSPECTED LARGE SPROMA STRUCK STATE LEFT IN A SUPPLANE IS PROPERLY OF COULD BE SUIT IN RUBIN TO PRESCRIBE. THAT MAKE CONTACT WITH THE SUPPLANE STATE BUILDUP CAR ALSO BE CAPATED BY AIRPLANE OF STRUCTURAL SURFACES AIRPLANE WHILE IT SO IN THE ORDING. CAUTION: PROPELLERS MUST BE INSPECTED ANDORS REPLACED UTILIZING THE HARE STRUCTURED FOLLOWING ANY LIGHTNISS OR OTHER MINRAL DAMAGE. REFERENCE 1. SKA BOSO MM ATA 05-00.0 TABLE 608, ITEM #1 2. KA CHAPTER 30 STANDARD PRACTICES - AIRPRAME ATA 20-00-00 K2 A RECTIFICATION.						,			
the a	usins that the work specified above, or ircraft / sixcraft component is considered to considered using that the work specified above, or is respect in that work the attent? I a	Sered ready for rel recept as otherwis	ease to service, r specified, was o	arried out in	accordance w		rata Respairements	and in respect to tha	t werk	





LIENT/	OWNER ROYAL MALAYSIA		SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET N				
ionou	POLICE FT TYPE: B300 (SKA350)	AIRCRAFT	FL-593	REFER W	OEKPACK -		SC LIGHTNING			
RECUSTE	RATION: SM-PTB	#1 ENGINE	PCE-PK1183	REFER W	/DRKPACK		9M-PTB-14			
	ACILITY: WMSA	12 ENGINE	PCE-PK0970	REFER W	DEKPACK	AJL REF NO.:				
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NSPEC AIRCRA	for raising: CTION AFTER LIGHTNING STRIKE AFT MAINTENANCE PROGRAMME ON 0 DATED MAY-31-2021 OR LAT	RMPAGE/CAMO/	MP(8300 ISSUE		Paised by and date: CAMO, Nursi Hustra Zainol Abidin 12/01/2023	Other requirements/information: NOT APPLICABLE				
tem		Technician	* Eng. CRS	Date						
2	TABLE 606. INSPECTION AFTER	LIGHTNING STR	KE.							
	PROPELLER GOVERNORS RES SKA 8300 MM ATA 05-00-00, TA LEFT HAND PROPELLER GOVE EMM ATA 01-20-00	BLE 608				7.00				
	PART NUMBER:									
	SERIAL NUMBER:									
	REPERENCE: 1. SKA B300 MM. 2. WOODWARD S 3. PTSA-60A EMW									
	REMARKS:									
	LEFT HAND PROPELLER GOVE ON EMM ATA 61.20.00 ITEM: PART NUMBER: SERRAL NUMBER: PREFERENCE: PTRA-00A EMM A REMARKS:		LOW TO BE LAND	NY OUT IN	ALLOSEMALE WITH PTEA-					
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	17									
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GAM/C-005 Rev 3 (06/22)

Galaxy Aerospace**

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LIENTA	OWNER ROYAL MALAYSIA		SERIAL NO.	HOURS	LDG/G	YCLE	WORKSHEET	NO: 14151-001			
	POLICE	AIRCRAFT	FL-593	REFER W	ORKPACK		WORK/INSP/D	ESC: LIGHTNING	STRIKE		
RCRA	T TYPE: 8300 (SKA350) ATION: SM-PTB	#1 ENGINE	PCE-PK1183	REFER W	ORKPACK		WORKPACK R	51			
	CILITY WMSA	#2 ENGINE	PCE-PK0970	-	ORKPACK		AIL REF NO.				
	REFERENCES OUT: SHEEK WORKIN		100000000000000000000000000000000000000	-	NG/N1	NE/N2	SHEET:	3 OF 6			
eoton	for raising:		-	_	Raised by	1. 110,000	Other was imments information:				
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tem :		Description					Technician	* Eng. CRS	Dat		
4	TABLE 608. INSPECTION AFTE	R LIGHTNING STRI	KE.								
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AM/C-005 Rev 3 (06/22)



GalaxyAerospace*

ALANY AGRICIANOS DE SONA BIRAD, (DIEDRO D) de 11-10, Heliciphe Conte Magnes Interdesirar Antaquico Cardin, dan Accal Aco Sinon Angoli, Alfon Subarry, Selampia Mateytas o vaco Profit Politi I, Faio vediti Politi Noni WORKSHEET

WINER: ROYAL MALAYSIA		SERIAL NO.	HOURS	LDG/C	YCLE	WORKSHEET	14101-001				
POLICE T TYPE: B300 (SKA350)	AIRCRAFT	FL-693	REFER W	ORKPACK			ESC. LIGHTNING				
ATION: MM-PTB	#1 ENGINE	PCE-PK1183	REFER W	ORKPACK			EF: 9M-PTB-14				
DILITY: WMSA	42 ENGINE:	PCE-PK0970	REFER W	ORKPACK		0.6746.000	100000000000000000000000000000000000000				
					NE/N2	SHEET	4 OF 6				
T MAINTENANCE PROGRAMME, R	MPAGF/CAMO/	WP/B300 ISSUE		CAMO; No Zelnol	urul Husera Abidin	Other requirements/information: NOT APPLICABLE					
	Desi	ription		Technician	* Eng. CRS	Date					
TABLE 608. INSPECTION AFTER L	IGHTNING STR	KE.						177			
WOODWARD BRISSAND RIGHT HAND PROPELLER GOVER EAWN ATA 61 ZO DO 45.A ITEM: PART NUMBER: SERSAL NUMBER REFERENCE: 1. SKA B300 MM ATA 2. WOODWARD SB: 3. PTBA-60A ENW A	NOR REMOVAL A 05-00-00, TAB 335748	TO BE CARRY									
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PART NUMBER:											
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(CORRECT INSTALLATION, PROP	ER INSTALLATI	ON AND SECUR	TY OF ATTA		KE.						
Tel Inspector Sign:	Approval?	Ramp:		DATE:							
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GAWC-005 Rev 3 (06/22)

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WORKSHEET

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CLENTA	OWNER: ROYAL MALAYBIA		SERIAL NO.	HOURS	LDG/C	/CLE	WORKSHEET	NO: 14151-00	14151-001		
POLICE AIRCRAFT TYPE: 8300 (8KA350)		AIRCRAFT	FL-803	REFER W	ORKPACE		WORK/INSP/0		C: LIGHTNING STRIKE		
AIRCRAE	SATION: IM-PTB	#1 ENGINE:	PCE-PK1183	REFER W	ORKPACK		WORKPACK F	EF: MAPTE	14151		
	CILITY WMSA	42 ENGINE	PCE-PK0970	REFER W	DEKPACE		AJL REF NO.	REFER	WORKPACK		
DATE IN	явля исмонох ОИТ: явля моненск		-		NG/N1	NF / N2	SHEET:	5 OF	6		
INSPEC AIRCRA	for raising. TION AFTER LIGHTNING STRIKE TO FT MAINTENANCE PROGRAMME. R IN D DATED MAY-31-2021 OR LATER	MPAGE/CAMO/	AMP/B300 ISSUE			and Huana Abidin		ents/informatio NOT APPLICABL		66	
ttern.		Desc	ription			-	Technician	* Eng. CRS	Date	-	
*	TABLE 501. CHECKS AFTER COM PRE-OPERATIONAL CHECK TO BE REFERENCE: PTRA-GDA EMM ATA CHECK, TABLE 501 REMARKS.	CARRY OUT I	N ACCORDANCE	WITH PTGA						3	
a	TABLE 608. REPECTION AFTER L ENGINE 41 REPECTION TO BE C. REFERENCE 1. SKA 8330 MM AT 2. PTSA-60A EMM A RECTIFICATION.	ARRY OUT IN AC	DODRDANCE WI			2 00.00					
9	TABLE 60E, INSPECTION AFTER E ENGINE 82 REPECTION TO BE REPERENCE: 1, SKA 8330 MM AT 2, PT64-60A EMMA RECTIFICATION:	ARRY OUT IN AC	DOORDANCE W			2.00.00					
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GAM/C-005 Rev 3 (06/22)





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HENT.	OWNER: ROYAL N	MEAYSIA	9 1		SERIAL NO	HOUR	s	LDG/	CYCLE		WORKSH	EET NO:	14151-00	is	
	POLICE		-	RCRAFT	FL-593	_	_	REPACE	. , 5/5/6	- 43			LIGHTNE		KE
URCRA	FY TYPE: B300 (8K	A350)	-	ENGINE	PCE-PK118			EKPACK			WORKPA		SM-PTB-		2
BASES	RATION: SM-PTB		_	ENGINE	PCE-PK097	-	_	EKPACK			AJL REF	NO.:	REFERV		KCK .
	HEREKKONONICK OU	T. maren wo					_	NG/N1	NE	/ N2	SHEET:		6 OF	6	
_	for raising:		-				_	Raised by	_	-	Other requ	irements/	informatio	nc 2n	
NSPECTION AFTER LIGHTNING STRIKE TO BE CARRY OUT IN ACCORDANCE WITH ARCCRAFT MAINTENANCE PROCRAMME. REPACH CAMPUSIONS 2 Zeros Abidin 12/01/2023						NOT APPLICABLE									
item:		Description			Technicia	o :	Eng. CRS		Date						
10	TABLE 608. INSP	YABLE 608. INSPECTION AFTER LIGHTNING STRIKE.													
	FUSELAGE, EMP WITH SKA B300 I REFERENCE 1. 2.1 RECTIFICATION.	MM ATA 05 SKA B300 KA CHAPT	5-00-00 MM ATA 05	00-00, TABI		13			CORDAN	æ					
11	TABLE 605. ATA: STATIC WICK - P REFERENCE SK REMARKS:	ERFORM 1	THE STATIC	DISCHARG	GERS (WICKS) INSPECTI	ON Pt	ROCEDUR	E						
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пок	VWHERE APPLICABLE	F: .													
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GAM/C-005 Rev 3 (06/22





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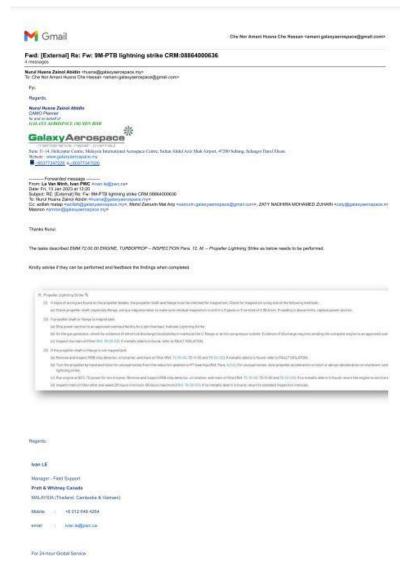
POLICE	YBIA		SERIAL FL-50		HOURS	-	G/CYC	CLE		Control of the Contro	14151-001		
IRCRAFT TYPE: 8300 (8KA35	0)	AIRCRAFT A1 ENGINE	PCE-PK	22	REFER W					ORK/INSP/DESC: P	JIGHTNING STRIKE MAPTB-14151		
EGISTRATION: SM-PTB		manuscript de manuscript	PCE-PK		REFER W	-			_		REFER WORKPACK		
BASE/FACILITY: WMSA #2 ENGIN DATE IN: reven viceorics: OLIT: reven viceorics:			T CE-TIN	5670	NG/N1 NF/N2				_		OF 1		
Reason for raising:			-	_		_	_		_				
INSPECTION AFTER LIGHTNING STRIKE TO BE CARRY OUT IN AC AIRCRAFT MAINTENANCE PROGRAMME. RISPACE/CAMOUNIPES REVISION 0 DATED MAY-ST-2021 OR LATER APPROVED REVISION			AMP(8300)	300 ISSUE 2 Zainol A				ul Husna ibidin	Cen	Other requirements/informations. NOT APPLICABLE			
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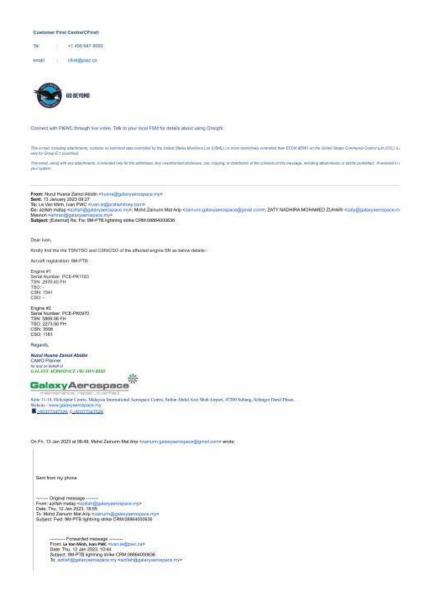
MC-012 Rev 3 (06/22)



APPENDIX C

1) EMAIL TO P&WC







kell Delivery Subsystem <maller-decrens@googlemal.com r. serseri.gelseryerrapace@ggmail.com</maller-decrens@googlemal.com 	27 January 2023 at 12 1
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the Nor Americ Husen Che Hassen seinant policywerospace@gmeit comis iz adeana galecymerospace@gmeil.my	27 January 2023 of 12.1
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Connect with PSWC through two widers. Talk to your local FSW for details about using Cresigns:	
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Customer Pirat Centre(CPIrat)	
For 24-hour Global Sannos	
email (von legiport cu	
Mobile : +6 012 648 4264	
MALAYSIA (Trailand, Camboda & Vernam)	
Prett & Whitney Canada	
Manager - Field Support	
Ivien LE	
Regards,	
Kindly feedback the findings when completed.	
You may refer to EMM 72:00:00 EMGINE, TURBOPROP - INSPECTION Para, 12 M Propeller Lightwing Strike a	is below for the action steps to be taken;
Thenk you for reporting the lightning strike event which occurred on SM-PTB. Kindy advise the effected engine SN,	
CRM case reference number PWC-254616-87LE	
0.000.000	



APPENDIX D

1) EMAIL TO TEXTRON AVIATION

1/27/23 2:36 PM

Gmail - AOG!! SKA B300 SKA 350 (SIN: FL-593) - LIGHTNING STRIKE ON AIRCRAFT



Mohd Yasir Shapuan <yasir.galaxyaerospacegam@gmail.com>

AOG!! SKA B300 SKA 350 (S/N: FL-593) - LIGHTNING STRIKE ON AIRCRAFT

6 messages

Mohd Yasir Shapuan <yasir@galaxyaerospace.my>

Mon, Jan 16, 2023 at 6:29 AM

To: TMDC@txtav.com

Cc: VPhilomin@txtav.com, HWimberly@txtav.com, CEaley@txtav.com, WLevy@txtav.com

Aircraft Model: SKA B300 SKA 350

Helicopter S/N: FL-593

Customer Description: Royal Malaysia Police Air Operation Force

Priority: AOG

We received a report from the pilot that the aircraft was strucked by lightning during the landing approach. Information of event as follows:

At 1533hrs 11th January 2023 while descending from FL 260 through FL 230 at 15 NM before waypoint ADNUT, the pilot observed a lightning spark on the right propeller with a loud bang.

Post physical inspection was carried out and found as detailed in the report attached for your perusal. At the moment the aircraft under-going inspection of Unscheduled Maintenance Checks (Lightning Strike) as required in MM.

In the view of this, we seek your advise on any additional inspection that should be carried out for this occurrence?

Regards,

Mohd Yasir Shapuan

Technical Services

GALAXY AEROSPACE (M) SDN BHD

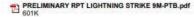


maintenance.repair.overhaul

Suite 11-14, Helicopter Centre, Malaysia International Aerospace Centre, Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor Darul Ehsan.

Website: www.galaxyaerospace.my

♣+60377347226 ♣+60377347526



Philomin, Victor < VPhilomin@txtav.com>

Mon. Jan 16, 2023 at 8:35 AM

To: Mohd Yasir Shapuan <yasir@galaxyaerospace.my>

Cc: "Levy, Werner" <WLevy@txtav.com>, Team Structures APAC <StructuresAPAC@txtav.com>

Dear Yasir

Thank you for bring this to my attention, with the damage noted on the radome and flaps, you may use the SIRM for the standard airframe inspections and repair procedures alternatively

if you need further assistance you may contact Team Structures APAC, copied in, for advice.

1/27/23 2:36 PM

Gmail - AOGII SKA B300 SKA 350 (S/N: FL-593) - LIGHTNING STRIKE ON AIRCRAFT

For the damage on the propeller, refer to the appropriate propeller CMM for the inspection and damage limits (AMM 5-50-00 Table 608 - Inspection After Lightning Strike).

For the engines, refer to the PWC EMM for the inspection procedures.

Best Regards

Victor

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Victor Philomin

Field Support Representative, Singapore

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Textron Aviation / Textron Far East Pte Ltd

6 Seletar Aerospace Heights Singapore 797545

From: Mohd Yasir Shapuan <yasir@galaxyaerospace.my>

Sent: Monday, January 16, 2023 6:29 AM

To: TMDC < TMDC@txtav.com>

Cc: Philomin, Victor <VPhilomin@txtav.com>; Wimberly, Hallie <HWimberly@txtav.com>; Ealey, Cindy

<CEaley@txtav.com>; Levy, Werner <WLevy@txtav.com

Subject: AOG!! SKA 8300 SKA 350 (S/N: FL-593) - LIGHTNING STRIKE ON AIRCRAFT

Dear sir.

Aircraft Model: SKA B300 SKA 350

Helicopter S/N: FL-593

Customer Description: Royal Malaysia Police Air Operation Force

Priority: AOG

We received a report from the pilot that the aircraft was strucked by lightning during the landing approach. Information

At 1533hrs 11th January 2023 while descending from FL 260 through FL 230 at 15 NM before waypoint ADNUT, the pilot observed a lightning spark on the right propeller with a loud bang.

Post physical inspection was carried out and found as detailed in the report attached for your perusal. At the moment the aircraft under-going inspection of Unscheduled Maintenance Checks (Lightning Strike) as required in MM.

https://mail.google.com/mail/u/0/7ik=bb389fa968&view=pt&search=all&permthid=thread-a%3Ar-1146176013011981413&simpl=msg-a/k3Ar-1144... 2/6



1/27/23, 2:36 PM Gmail - AOG!! SKA B300 SKA 350 (SIN: FL-593) - LIGHTNING STRIKE ON AIRCRAFT In the view of this, we seek your advise on any additional inspection that should be carried out for this occurrence? Regards, Mohd Yasir Shapuan Technical Services for and on behalf of GALAXY AEROSPACE (M) SDN BHD [Quoted text hidden] Philomin, Victor </Philomin@txtav.com> Mon. Jan 16, 2023 at 8:48 AM To: Mohd Yasir Shapuan <yasir@galaxyaerospace.my> Dear Yasir Team Structures APAC info. If your inquiry requires immediate attention or is AOG, please call Team Structures APAC team line at +65.6690.9777. or contact the APAC Structures team member listed below: Joelle Chia - jchia@bttav.com Structural Damage Report Form - This form is required for all repair and service requests. Damage Reporting Guide - Review our guide to prevent repair and service delays. Standard Repairs (all models) - Review our list of Standard Repairs available. Best Regards, Team Structures APAC **Textron Aviation** +65.6690.9777 OFFICE TEAM LINE Structures@txtav.com (US) | StructuresEMEA@txtav.com (EMEA) | StructuresAPAC@txtav.com (APAC) Seletar Airport (WSSL) | 6 Seletar Aerospace Heights | Singapore, 797545 | txtav.com Levy, Werner <WLevy@txtav.com> Mon. Jan 16, 2023 at 10:07 PM To: Mohd Yasir Shapuan <yasir@galaxyaerospace.my> Cc: "Philomin, Victor" < VPhilomin@txtav.com>

https://mail.google.com/mail/u/0/7ik=bb389fa968&view=pt&search=all&permthid=thread-a%3Ar-1146176013011981413&simpl=msg-a%3Ar-1144... 3/6

1/27/23 2:36 PM

Gmail - AOGH SKA B300 SKA 350 (S/N: FL-593) - LIGHTNING STRIKE ON AIRCRAFT

Good morning sir,

It is recommended that you inspect the airplane in accordance with the King Air B300 Maintenance Manual chapter 5-50-00, Table 608. Inspection After Lighting Strike.

Werner Levy

Customer Service Engineer

Team Turboprop Technical Support

Textron Aviation

316.517.4155 PHONE | WIEVY@txtav.com

316.517.9355 TEAM TURBOPROP | teamturboprop@txtav.com

One Cessna Blvd. | Wichita, Kansas 67215 USA | txtav.com



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Product Support Customer Satisfaction Survey

From: Mohd Yasir Shapuan <yasir@galaxyaerospace.my> Sent: Sunday, January 15, 2023 4:29 PM

To: TMDC <TMDC@txtav.com>

Cc: Philomin, Victor </Philomin@txtav.com>; Wimberly, Hallie <HWimberly@txtav.com>; Ealey, Cindy

<CEaley@txtav.com>; Levy, Werner <WLevy@txtav.com>

Subject: AOG!! SKA B300 SKA 350 (S/N: FL-593) - LIGHTNING STRIKE ON AIRCRAFT

Dear sir,

[Quoted text hidden]

TMDC <TMDC@txtav.com>

Wed, Jan 18, 2023 at 12:12 AM

To: Mohd Yasir Shapuan <yasir@galaxyaerospace.my>

Cc: "Philomin, Victor" </Philomin@bttav.com>, "Levy, Werner" <WLevy@txtav.com>, TeamTurboprop Support <TeamTurboprop@txtav.com>

Let's ask Technical Support for help.

Technical Support, Can you please assist and reply to customer?

https://mail.google.com/mail/u/07/k=bb389fa068&view=pt&search=all&permthid=thread-a%3Ar-1146176013011981413&simpl=mag-a%3Ar-1144... 46

Survey.

1/27/23, 2:36 PM

Gmail - AOGII SKA 8300 SKA 350 (SIN: FL-593) - LIGHTNING STRIKE ON AIRCRAFT

Please follow the maintenance manual instructions.

Werner Levy

Team Turboprop Technical Support

316.517.4155 PHONE | WIEVY@bitav.com

316.517.9355 TEAM TURBOPROP | teamfurboprop@txtav.com



[Quoted text hidden]

Customer Service Engineer

Textron Aviation

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Product Support Customer Satisfaction Survey

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Sarah Ball

Aftermarket Publication Coordinator Specialist, in the Technical Manual Distribution Center for Beechcraft, Cessna, and Hawker Technical Publications

Thank you. We value your feedback. Please take a moment to complete our TMDC Customer Satisfaction

Hours: Monday thru Friday, 8:00am to 4:30pm Central Time. Prices are valid for 30 days.

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From: Mohd Yasir Shapuan <yasir@galaxyaerospace.my> Sent: Sunday, January 15, 2023 4:29 PM

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<CEaley@txtav.com>; Levy, Werner <WLevy@txtav.com>

Subject: AOG!! SKA B300 SKA 350 (S/N: FL-593) - LIGHTNING STRIKE ON AIRCRAFT

Dear sir.

(Quoted text hidden)

PRELIMINARY RPT LIGHTNING STRIKE 9M-PTB.pdf 601K

TeamTurboprop Support <TeamTurboprop@txtav.com> To: Mohd Yasir Shapuan <yasir@galaxyaerospace.my> Cc: "Philomin, Victor" < VPhilomin@txtav.com>

Wed, Jan 18, 2023 at 12:38 AM

Sir.

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