


INSTRUCTION FOR COMPLETING FORM

APMM/C-008/AW139 – AIRCRAFT TECHNICAL LOG AW139

AIRCRAFT TECHNICAL LOG														TECHNICAL LOG S/N:		00001									
 MALAYSIA MARITIME ENFORCEMENT AGENCY (APMM/C-008/AW139)														AIRCRAFT TYPE		REGISTRATION NO		AIRCRAFT S/N		BASE		BASIC WEIGHT		FLIGHT DATE	
AW139														1		2		3		4		5			
FLT. NO	FUEL STATE (KG/LTRS)			ENGINE OIL (QT)		TRANSMISSION OIL (QT)			REPLENISH / PREFLIGHT / TURN AROUND / POST FLT INSP CERTIFICATE			PILOT PRE-FLIGHT / TURN AROUND													
	REMAINING	QTY UPLIFT	TOTAL FUEL ON DEPARTURE	#1 ENGINE	#2 ENGINE	MGB	IGB	TGB	LIC. / APP		TIME A/C READY FOR RELEASE TO FLIGHT	INDICATE A/C AS SERVICEABLE AND FUEL/OIL SUFFICIENT FOR FLIGHT INTENDED													
				UPLIFT	UPLIFT	UPLIFT	UPLIFT	UPLIFT	SIGN**	NO		NAME	INITIAL												
6	7	8	9	10	11	12	13	14	15	16	17	18	19												
FLT. NO	FROM	TO	TAKE OFF TIME	LANDING TIME	FLIGHT DURATION	ENGINE HRS		ENGINE START CYCLE		NO OF LANDING	HOIST CYCLE	CARGO HOOK	ROTOR BRAKE	FLIGHT CYCLE	DAILY INSPECTION (LAME/APP HOLDER CERTIFICATION)										
						NO 1	NO 2	NO 1	NO 2						DATE	APP/LIC. NO	NAME	SIGNATURE**							
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	38	39	40	41							
NEXT MAINTENANCE DUE																									
														DUE DATE / HRS / CYCLE											
														INSPECTION	DESCRIPTION	HRS	CYCLE	DATE							
														42	43	44	45	46							
														OUT OF PHASE SERVICING (OOP)											
														OOP INSPECTION	DUE HOURS	DUE DATE	DUE CYCLE	REMARKS							
														47	48	49	50	51							
DEFERRED DEFECT (ENTER "NIL" IF NONE) BRIEF DEFECT/TECH. LOG REF														FLT. NO	OPS MTOW > 6400KG		33 < WS < 45 KTS		45 < WS < 60 KTS		CAT.A				
DESCRIPTION DEFECT			MEL REFERENCE			LIMITATION			DUE DATE	DUE HOURS	HOURS	LDG	START	STOP	START	STOP									
52			53			54			55	56	57	58	59	60	61	62	63	64							
FLT NO	RECORD OF DEFECT OR REQUIREMENT FOR FLIGHT/GRD. REPORT/TEST. ENTER "NIL" IF NO DEFECT FOUND			SIGN / STAMP	DATE / TIME	RECTIFICATION/WORK CARRIED OUT AND IAW REF DOC.				APP HOLDER NAME	APP HOLDER INITIAL**	STAMP	DATE												
65	66			67	68	69				70	71	72	73												

The Work Recorded Above Has Been Carried Out In Accordance With The Requirements Of The Directorate General Technical Airworthiness (DGTA) For The Time Being and In That Respect The Aircraft/ Equipment Is Considered Fit Release To Service

1ST COPY ORIGINAL- TECH RECORD (WHITE), 2ND COPY- GROUND OPERATION (GREEN), 3RD COPY- CUSTOMER (PINK), 4TH COPY- ENGINEERING (YELLOW), 5TH COPY- BAS COPY (BLUE)

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ACTIONED BY	NO.	SECTION	SUB-SECTION	INSTRUCTIONS
MAINTENANCE INSPECTOR / SUPERVISOR / PILOT	1.	AIRCRAFT TYPE	-	Enter the type of aircraft.
	2.	AIRCRAFT REGISTRATION	-	Enter the registration marking of the aircraft.
	3.	AIRCRAFT SERIAL NUMBER	-	Enter the serial number registered on the aircraft.
	4.	BASE	-	Enter the base where the aircraft located.
	5.	BASIC WEIGHT	-	Enter the basic weight of the aircraft.
	6.	FLIGHT DATE	-	Enter the date when the flight take place or when the technical log opened for maintenance entry.
	7.	FLT. NO	-	Enter the number of flights conducted in sequence, if maintenance activity should be written "M" in front of the number.
	8.	FUEL STATE (KG/LTRS)	REMAINING	Enter the remaining fuel available in aircraft.
	9.		QTY UPLIFT	Enter the fuel quantity uplifted to the aircraft. To enter "NIL" if no fuel uplifted.
	10.		TOTAL FUEL ON DEPARTURE	Enter the total fuel quantity prior to departure.
	11.	ENGINE OIL (QT)	ENG 1	Enter the engine oil quantity uplifted on Engine #1. To enter "NIL" if no engine oil uplifted.
	12.		ENG 2	Enter the engine oil quantity uplifted on Engine #2. To enter "NIL" if no engine oil uplifted.
	13.	TRANSMISSION OIL (QT)	MGB	Enter the gearbox oil quantity uplifted on Main Gearbox. To enter "NIL" if no gearbox oil uplifted.
	14.		IGB	Enter the gearbox oil quantity uplifted on Intermediate Gearbox. To enter "NIL" if no gearbox oil uplifted.
	15.		TGB	Enter the gearbox oil quantity uplifted on Tail Gearbox. To enter "NIL" if no gearbox oil uplifted.

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MAINTENANCE INSPECTOR / SUPERVISOR	16.	REPLENISH / PREFLIGHT / TURN AROUND / POST FLT INSP CERTIFICATE	SIGN**	Enter the signature of the engineer or maintenance inspector/supervisor (MI/S) who performs the maintenance before first flight / preflight inspection in accordance with the AMP.
	17.		NO	Enter the authorization stamp of the engineer or maintenance inspector/supervisor (MI/S) who perform the maintenance before first flight / pre-flight inspection.
	18.		TIME A/C READY FOR RELEASE TO FLIGHT	Enter the time when the maintenance pre-flight inspection was performed or the time aircraft when ready for release to flight.
PILOT	19.	PILOT PRE FLIGHT / TURN AROUND	NAME	Enter the name of the pilot who perform the pre-flight / turn around inspection in accordance with the Flight Manual.
	20.		INITIAL	Enter the initial of the pilot who perform the pre-flight / turn around inspection in accordance with the Flight Manual.
	21.	FLT. NO	-	Enter the number of flights conducted as per item 6. If maintenance activity, enter "M" in front of the number.
	22.	FROM	-	Enter the base or location where the aircraft will depart from.
	23.	TO	-	Enter the base or location where the aircraft will arrive to.
	24.	TAKE OFF TIME	-	Enter the time when the aircraft take-off.
	25.	LANDING TIME	-	Enter the time when the aircraft landing.
	26.	FLIGHT DURATION	-	Enter the total flight hours accumulated from take-off to landing per flight activity.
	27.	ENGINE HRS	ENG 1	Enter the total flight hours of LH engine per flight activity.
28.	ENG 2		Enter the total flight hours of RH engine per flight activity.	

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	29.	ENGINE START CYCLE	ENG 1	Enter the total engine start cycle of LH engine per flight activity.
	30.		ENG 2	Enter the total engine start cycle of RH engine per flight activity.
	31.	NO. OF LANDING	-	Enter the number of landings per flight activity.
PILOT	32.	HOIST CYCLE	-	Enter the total number of hoist lifts during operation. Enter dash (-) if not applicable.
	33.	CARGO HOOK	-	Enter the total number of cargo hook cycle during operation. Enter dash (-) if not applicable.
	34.	ROTOR BRAKE	-	Enter the total number of rotor brake during operation. Enter dash (-) if not applicable.
	35.	FLIGHT CYCLE	-	Enter the number of flight cycle during operation. Enter dash (-) if not applicable.
MAINTENANCE INSPECTOR / SUPERVISOR	36.	TOTAL OF THIS PAGE	-	Enter the total accumulated of the total of flight duration, engine hours, engine start cycle, no of landing, hoist cycle, cargo hook cycle, rotor brake and flight cycle of the day.
	37.	TOTAL B/FWD	-	Enter the total previous of flight duration, engine hours, engine start cycle, no of landing, hoist cycle, cargo hook cycle, rotor brake and flight cycle before the flight.
	38.	TOTAL	-	Enter the total accumulated sum of TOTAL B/FWD and TOTAL OF THIS PAGE.
	39.	DAILY INSPECTION (LAME/ APP HOLDER CERTIFICATION)	DATE	Enter the date of completed activities.
	40.		APP/LIC.NO	Enter the authorization stamp of the engineer or maintenance inspector/supervisor (MI/S) who perform the daily inspection.
	41.		NAME	Enter the name of the engineer or maintenance inspector/supervisor (MI/S) who perform the daily inspection
	42.		SIGN**	Enter the signature of the engineer or maintenance inspector/supervisor (MI/S) who perform the daily inspection

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	43.	NEXT MAINTENANCE DUE	INSPECTION	Enter the next nearest maintenance inspection to be carried out on aircraft. E.g., SMI / SB / AD
	44.		DESCRIPTION	Enter the description of the next maintenance inspection to be carried out on aircraft.
	45.		HOURS	Enter the hours due of the next maintenance inspection to be carried out on aircraft. Enter dash (-) if not applicable.
	46.		CYCLE	Enter the cycle due of the next maintenance inspection to be carried out on aircraft. Enter dash (-) if not applicable.
	47.		DATE	Enter the calendar due of the next maintenance inspection to be carried out on aircraft. Enter dash (-) if not applicable.
MAINTENANCE INSPECTOR / SUPERVISOR	48.	OUT OF PHASE SERVICING (OOP)	OOP INSPECTION	Enter the nearest OOP inspection to be carried out on aircraft. Enter dash (-) if not applicable.
	49.		DUE HOURS	Enter the hours due for OOP inspection to be carried out on aircraft. Enter dash (-) if not applicable.
	50.		DUE DATE	Enter the calendar due for OOP inspection to be carried out on aircraft. Enter dash (-) if not applicable.
	51.		DUE CYCLE	Enter the cycle due for OOP inspection to be carried out on aircraft. Enter dash (-) if not applicable.
	52.		REMARKS	Enter the remarks that need to be highlighted for OOP inspection to be carried out on aircraft. Enter dash (-) if not applicable.
	53.	DEFERRED DEFECT (ENTER "NIL" IF NONE) BRIEF DEFECT/TECH.LOG REF	DESCRIPTION DEFECT	Enter the description of the deferred defect.
	54.		MEL REFERENCE	Enter the MEL reference of the deferred defect.
	55.		LIMITATION	Enter the limitation / defect rectification category of the deferred defect.
	56.		DUE DATE	Enter the calendar due date of the deferred defect to be rectified. Enter dash (-) if not applicable.

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	57.		DUE HOURS	Enter the hours due of the deferred defect to be rectified. Enter dash (-) if not applicable.
PILOT	58.	FLT. NO	-	Enter the number of flights conducted as per item 20. If maintenance activity, enter "M" in front of the number.
	59.	OPS MTOW > 6400	HOURS	Enter the duration of operation exceeding MTOW 6,400 kg. Enter dash (-) if not applicable
	60.		LANDING	Enter the number of landings for operation exceeding MTOW 6,400 kg. Enter dash (-) if not applicable.
PILOT	61.	33 < WS < 45 KTS	START	Enter the number of rotor start with wind speed between 33 knots and 45 knots. Value cannot exceed 1. Enter dash (-) if not applicable.
	62.		STOP	Enter the number of rotor stop with wind speed between 33 knots and 45 knots. Value cannot exceed 1. Enter dash (-) if not applicable.
	63.	45 < WS < 60 KTS	START	Enter the number of rotor start with wind speed between 45 knots and 60 knots. Value cannot exceed 1. Enter dash (-) if not applicable.
	64.		STOP	Enter the number of rotor stop with wind speed between 45 knots and 60 knots. Value cannot exceed 1. Enter dash (-) if not applicable.
	65.	CAT. A	-	Enter the number of CAT A operation per flight activity. Enter dash (-) if not applicable.
PILOT / MI/S	66.	FLT. NO	-	Enter the number of flight conducted as per item 20, if maintenance activity should be written "M" in front of the number.
	67.	RECORD OF DEFECT OR REQUIREMENT FOR FLIGHT/GRD. REPORT/TEST. ENTER	-	1. Pilot is required to enter the following information: a) any defect found during pre-flight inspection; or b) any defect that occurred during the flight conducted; or

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		“NIL” IF NO DEFECT FOUND		<p>c) “NIL” for no defect found or occurred during the flight conducted.</p> <p>2. For maintenance activity, engineer is required to enter the following information:</p> <p>a) any defect found during Airworthiness Check / Pre-Flight Check / Daily Check.</p> <p>b) summary of scheduled/unscheduled maintenance performed on the aircraft between scheduled base maintenance visit.</p>
PILOT / MI/S	68.	SIGN/STAMP	-	Enter the signature / stamp of pilot-in-command or engineer / MI/S who made the entry in the defect column
	69.	DATE/TIME	-	Enter the date / time recorded when the entry in the defect column was made.
MAINTENANCE INSPECTOR / SUPERVISOR	70.	RECTIFICATION/WORK CARRIED OUT AND IAW REF DOC	-	<p>Engineer / MI/S is required to enter the following information:</p> <p>a) rectification action performed to rectify the defect; or</p> <p>b) deferred defect action for the defect that was deferred as per MEL; or</p> <p>c) “NOTED” for “NIL” entry in the “record of defect(s)” column at the first opportunity. (eg: when the aircraft is back to base after operation away from base).</p> <p>Note: Engineer / MI/S shall ensure that the aircraft shall not be released to service when there is a defect recorded in the “record of defect(s)” column until the defect has been rectified or deferred as per MEL.</p>
	71.	CERTIFICATE OF RELEASE TO SERVICE	APP HOLDER NAME	Enter the name of the engineer / MI/S who made the entry in the rectification column

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	72.		APP HOLDER INITIAL **	Enter the initial of the engineer / MI/S who made the entry in the rectification column
	73.		STAMP	Enter the authorization stamp of engineer / MI/S who made the entry in the rectification column
	74.		DATE	Enter the date when the entry in the rectification column was made.