



## AUDIT FINDINGS (2 of 5)

NO.	FINDINGS	REGULATION	CATEGORY
2 of 5	<p>Ref:</p> <ol style="list-style-type: none"><li>1. MMEA/CAMO/AMP/AS365N3 Issue 1 Revision 0 dated 21 June 23, 6.1.19 – 1 Year Inspection (Item No.1).</li><li>2. Installation of polycon wireless communication system on AS365N3 Series dated July 2008, ER 1310117 Rev. A.</li><li>3. Installation of Searchlight SX-16 with Infra-Red In-Flight Changeover Option on Eurocopter AS365N3 dated September 2008, ER 1310133 Rev B.</li><li>4. MMEA/CAMO/AMP/AS365N3 Issue 1 Revision 0 dated 21 June 23, Instruction for Continued Airworthiness (ICA) for MOD ER1310133.</li></ol> <p>The AMP shall contain details of all maintenance to be carried out. The Audit found as follows:</p> <ol style="list-style-type: none"><li>a. The reference for the Polycon Wireless Communication System inspection task is incorrect as stated in AMP as per Ref#1. The correct reference is ER 1310117 Rev. A, as per Ref#2.</li><li>b. There is requirement for inspection with several interval following the installation of the Searchlight SX-16 on the aircraft, as per Ref#3. However, according to Ref#4, the interval details for all maintenance activities have not been included in the AMP.</li></ol> <p>Thus, contrary with M.A.302(e).</p>	<p>M.A.302(e) Aircraft Maintenance Programme (AMP)</p> <p>The AMP shall contain details, including frequency, of all maintenance to be carried out, including any specific tasks linked to the type and the specificity of operations.</p>	<p><i>Level 2</i></p>



# Directorate General Technical Airworthiness

**REF #1**

**REF #2**

**REF #3**

**REF #4**

MALAYSIAN MARITIME ENFORCEMENT AGENCY (MMEA)				
DOCUMENT TITLE	AIRCRAFT MAINTENANCE PROGRAMME	AIRCRAFT TYPE	AIRBUS HELICOPTERS AS365N3	
AMP REF.	MMEA/CAMO/AMP/AS365N3	ISSUE	REVISION	DATE
		1	0	21 JUNE 2023
<b>6.1.18 6 MONTH INSPECTION</b>				
No.	Reference No.	Item	Task	Manual Reference
<b>ATA 26 FIRE PROTECTION</b>				
1.	26/22/00/000/000/010 (MSM)	Hand Fire Extinguisher - Cylinder	Weighing.	CMM 26.24.04
<b>ATA 45 CENTRAL MAINT SYSTEM</b>				
2.	45/11/01/520/501/100 (MSM)	CVR Recorder	SSCVFDR AR-204C. Test of The Audio Signal Acquisition. (*) Margin = 0 Or Margin Defined According to Regulations of The Regulatory Authority (Maximum Allowable Margin: 18 D)	MET 45.11.01.501 \$ F.1
3.	45/11/01/520/501/200 (MSM)	CVR Recorder	SSCVFDR AR-204C. Test of The Erase Function. (*) Margin = 0 Or Margin Defined According to Regulations of The Regulatory Authority (Maximum Allowable Margin: 18 D)	MET 45.11.01.501 \$ F.3
<b>6.1.19 1 YEAR INSPECTION</b>				
No.	Reference No.	Item	Task	Manual Reference
<b>ATA 23 COMMUNICATIONS</b>				
1.	ER 1310117	Polycon Wireless Communication System	Polycon Wireless Communication System Inspection to Be Carried Out.	ER 1310117
<b>ATA 24 ELECTRICAL POWER</b>				
2.	24/36/00/000/000/170 (MSM)	Standby Battery	Charge Check	MET 24.30.02.507
<b>ATA 25 EQUIPMENTS/FURNISHINGS</b>				
3.	25/62/00/000/000/010 (MSM)	Cylinder		

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ER1310117 – Rev. A

**INSTALLATION OF POLYCON WIRELESS COMMUNICATION SYSTEM ON AS365 N3 SERIES**

– July 2008 –

an EADS Company

MALAYSIAN MARITIME ENFORCEMENT AGENCY (MMEA)				
DOCUMENT TITLE	AIRCRAFT MAINTENANCE PROGRAMME	AIRCRAFT TYPE	AIRBUS HELICOPTERS AS365N3	
AMP REF.	MMEA/CAMO/AMP/AS365N3	ISSUE	REVISION	DATE
		1	0	21 JUNE 2023
<b>ATA 05-21 PREPARATION FOR FLIGHT INSPECTION</b>				
NO.	ITEM	INSPECTION REQUIREMENTS	REMARKS	
1	CHECKING THE OPTIONAL EQUIPMENT ITEMS	CHECK I.A.W AS365N3 MET 05.21.00.604	BFF & TA & ALF	
2	REMOVE THE BLANKS AND MAKE SURE THAT THERE ARE NO FOREIGN OBJECTS. EXAMINE NEAR THE AIR INTAKES AND THE EXHAUST ZONE. (BOTH ENGINE NO.1 & ENGINE NO.2)	CHECK I.A.W EMM 05-20-10-201-801-A01	BFF	
3	IN THE ENGINE LOG BOOK, RECORD THE NUMBER OF C1 AND C2 CYCLES. OPERATING CONDITION: IF THE AUTOMATIC COUNTING IS NOT AVAILABLE. (BOTH ENGINE NO. 1 & ENGINE NO.2)	RECORD I.A.W EMM 05-10-02-200-801	TA	
4	INSPECTION OF OIL LEVEL IN TANK AND TOP UP IF REQUIRED. (BOTH ENGINE NO. 1 & ENGINE NO.2)	CHECK I.A.W AS365N3 MET 79.20.00.601	TA	
5	MAKE SURE THAT THERE ARE NO LEAKS AT THE GENERAL DRAIN OF THE SUPPORT PLATFORM. OPERATING CONDITION: IF THE AUTOMATIC COUNTING IS NOT AVAILABLE. (BOTH ENGINE NO. 1 & ENGINE NO.2)	CHECK I.A.W 05-20-101-803-A01	TA	
6	ENGINE RINSING TO BE PERFORMED. TYPE OF ATMOSPHERE: CORROSIVE OR SALTY (BOTH ENGINE NO.1 & ENGINE NO.2)	RINSING I.A.W EMM 71-01-01-810-101	ALF	
<b>ICA FOR MOD EER1310133 – INSTALLATION OF SPECTROLAB SX-16 SEARCHLIGHT WITH INFRARED IN-FLIGHT CHANGEOVER OPTION SYSTEM</b>				
1	SEARCH-LIGHT – REAR COVER – AIR FILTER	INSPECT I.A.W MAINTENANCE MANUAL (031734)	DI	
2	SEARCH-LIGHT – WINDOW – FRONT GLASS	INSPECT I.A.W MAINTENANCE MANUAL (031734)	PF	
3	SEARCH-LIGHT – WINDOW – EXTERIOR	INSPECT I.A.W MAINTENANCE MANUAL (031734)	DI	
4	SEARCH-LIGHT – REFLECTOR – REFLECTOR ASSEMBLY	INSPECT I.A.W MAINTENANCE MANUAL (031734)	PF	
5	SEARCH-LIGHT – LAMP – QUICK COLD STARTS	TEST I.A.W MAINTENANCE MANUAL (031734)	PF	
6	SEARCH-LIGHT – LAMP – QUICK HOT STARTS	TEST I.A.W MAINTENANCE MANUAL (031734)	PF	
7	SEARCH-LIGHT – OPTICS: LIGHT BEAM – LAMP CENTERING & FOCUS CAM	TEST I.A.W MAINTENANCE MANUAL (031734)	DI	
8	SEARCH-LIGHT – HOUSING – DRIVE BOSSSES EXT	TEST I.A.W MAINTENANCE MANUAL (031734)	DI	
9	GIMBAL – WIRING – MOTOR CABLES	INSPECT I.A.W MAINTENANCE MANUAL (031734)	DI	
10	GIMBAL – MOTORS – MOTOR(S) FUNCTION	TEST I.A.W MAINTENANCE MANUAL (031734)	DI	

INSTALLATION OF SEARCHLIGHT SX-16 WITH INFRARED IN-FLIGHT CHANGEOVER OPTION ON EUROCOPTER AS365 N3 ER1310133 – REV. B				
Assembly	Sub Assembly	Detail Part	Inspection Process and/or Criteria	Inspection Interval
Searchlight	Rear Cover	Air Filter	1) Remove filter cover (3 screws). Inspect filter for build up of dirt, insects, etc. 2) Clean or replace as required.	3 months or 100 FLT HRS or 50 OPN HRS
		Cover Screws Cooling Blower	1) Listen to blower. Should sound smooth.	1) Preflight
Window Assy	Front Glass	Rubber Baffle	Inspect for cracks, brittleness, and adhesive bond.	Daily
		Optical Surface	Inspect with bright light for dirt, dust, and insects. Clean if needed.	Inspect preflight
Reflector	Optical Performance	Lamp Centering & Focus Cam	Inspect light beam when operating; should move from 12" (SX-5) or 4-20" (SX-16); should be round without dark hole in center at over 100 meters distance.	3 months or 100 FLT HRS or 50 OPN HRS
		Elevation Stop	Inspect screws for tightness; inspect stop for excess wear which causes more than 2' total play in elevation.	3 months or 100 FLT HRS or 50 OPN HRS
Housing	Square Drive Bosses	Square Drive Hole	Inspect screws for tightness.	6 months or 300 FLT HRS or 100 OPN HRS.
		Drive Bosses	Inspect base of drive bosses for cracked welds	Visual inspection daily
Gimbal	Electrical	Wiring Motor Boots	Inspect for cracked, frayed or chafed insulation rubber should be pliable. Inspect for cracks and stiffness.	Daily
		Connector	Inspect for damage, corrosion or loose potting. Test for continuity.	3 months or 100 FLT HRS or 50 OPN HRS. 6 months or 300 FLT HRS or 100 OPN HRS.
Mechanical	Azimuth Endcap	El. Gearbox to Gimbal	Tight fasteners, any signs of cracks.	Preflight
		Gearbox Wear	Tight fasteners.	Preflight
		Gearbox Clutches	Not to exceed 2".	Preflight
		Wingbolts	Breakaway torque 225 to 250 in-lbs. Installed to full depth, good condition, lanyards ok.	Preflight
Safety Cables		2 in place, fittings tight, generally good condition.	Preflight	

**Incorrect Reference**