

Pentingnya Penulisan AML secara Detail dan Jelas

Aircraft Maintenance Log (AML) merupakan *journey log book* yang digunakan sebagai alat komunikasi baik antara Flight Crew atau dengan Ground Engineer untuk mencatat *malfunction* atau *irregularities* saat *operational flight*, rektifikasi problem, dan *maintenance activity*. Oleh karena itu, penting untuk melakukan penulisan di AML secara tepat, detail dan jelas. Salah satunya saat proses rektifikasi problem dimana harus menuliskan proses pengerjaan secara detail termasuk hasil pengukuran jika ada dan referensi manual yang digunakan.

Menyadur dari GMF *Quality Assurance Reminder (QAR)* No. **QAR-2021-005 "Writing in AML: Write result of inspection/measurement required by maintenance manual"**, Engineer atau Certifying Staff yang menuliskan *maintenance action* di AML, harus:

1. If any task related to inspection or measurement instructed in manuals, write the result on AML. **Including the correct unit of measurement.** For example in Figure 1, AML written incorrectly, the result of inspection (ref to manual) have quantitative measurement (Ref Figure 2), and should be written in AML.

FLIGHT NO	DEP STA	AC REG	D	M	Y	Y	SEG NO	PART NUMBER	MELRU	EXTS	FIC							
6355	C0001	-02							A	B	C	D	B	C	2	7	4	1
Subject		POS		SERIAL No IN		SERIAL No OUT												
SPEED TRIM FAIL		03741		5740														
A/C		RTB																
Complaint		DPCS BITE PROCEDURE REF FIM 22-11 TASK 801 REV 73, OCT 15/2020 FOUND MSG 22-11173 STAB POS SEN INV REF FIM 22-12 TASK 803, PERFORMED STABILIZER RIGGING TEST, AMM TASK 22-11-00 RESULT STILL WITHIN LIMIT. SO REPLACE THE STAB TRIM MOTOR M1659 REF AMM 27-41-71/401 REV 73 OCT 15/2020																

Table 526/22-11-00-993-827		
Test		Limits:
51.01	STAB POS (VAC)	-0.07 to 0.07
2) Use the trammel bar, SPL-1677, to measure the B dimension.		
3) Make sure that the B dimension is 39.89 ±0.01 in. (101.32 ±0.03 cm).		

Test of travel distance limitation ref. manual

Sample of incorrect AML: not written result of measurement

2. When performing troubleshooting, refer to the manual, **write the step and result of troubleshooting as stated in Manual.** For example in Figure 3, when perform troubleshooting the result of close circuit written good, refer to the manual (Figure 4) it should be continuity or no continuity, or could be written as **"...RESULT CLOSE CIRCUIT (CONTINUITY)..."**

FLIGHT NO	DEP STA	AC REG	D	M	Y	Y	SEG NO	PART NUMBER	MELRU	EXTS	FIC							
									A	B	C	D	B	C	2	2	1	3
Subject		POS		SERIAL No IN		SERIAL No OUT												
FLT. CONTROL																		
Complaint		BITE DPCS ON FAULT HISTORY BY FLT LEG I FOUND MSG 22-11162 → Go to FIM 22-13 TASK 813 REV 72 JUN15/2020. PERFORMED POWER CHECK AT CONNECTOR PLUG D2485 PIN X1 RESULT POWER AVAIL 25.5 VDC CHECK X1 TO GND WITH SWITCH CUT OFF POSITION - RESULT CLOSE CIRCUIT (GOOD)																

- c) Do a check for continuity at pin X2 of connector D2485 and Structure Ground.
 <1> If there is no continuity, then replace the A/P Trim Cutout Switch, S149.
 <2> If there is continuity, then replace the Stab Trim Cutout Relay, R384.
- d) Do the Repair Confirmation at the end of this task.
- e) Remove the appropriate FCC. This is the task: Flight Control Computer Removal, AMM TASK 22-11-33-000-801.
- f) Do a wiring check between this pin of connector D10135C (or D10137C for FCC B) at the E1-1 (E1-4) Shelf, and connector D2485 at the Control Stand, P8 as follows:

22-13 TASK 813

Sample of incorrect AML: not written result of measurement

Step of troubleshooting, ref to FIM

Oleh karena itu, tips berikut dapat dilakukan untuk meningkatkan *awareness* kepada setiap *maintenance personnel*.

1. Pastikan setiap problem yang terjadi pada *aircraft*, *engine* dan *component* tercatat di dalam AML Book. Hal ini bertujuan agar problem dapat ter-*capture* dan dilakukan analisa oleh *engineering* atau *responsible unit*.
2. Pastikanlah proses rektifikasi problem telah menggunakan manual atau prosedur yang sesuai. Hal ini bertujuan untuk menghindarkan hasil perektifikasian yang tidak efektif.
3. **Authorized Personnel** harus mendokumentasikan rektifikasi dengan sedetail mungkin mulai dari step pekerjaan, material yang mungkin digunakan, hasil pengukuran dan *operational check* sesuai dengan prosedur yang berlaku.
4. Tulislah dengan cermat hasil *troubleshooting* dan gunakan kata-kata yang mudah dimengerti serta tulisan yang dapat dibaca dengan jelas



"Mari jaga dan tingkatkan kualitas komunikasi operational dengan disiplin dalam menuliskan AML dengan tepat, jelas, dan detail hingga hasil pengukuran rektifikasi."

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