

CRISIS MANAGEMENT MINUTES OF MEETING – 08/21

Meeting Title:	Emergency Landing of RMPAOF AW139 aircraft.
Date of Meeting:	14 th June 2021
Time:	10:10 a.m. to 12:45 p.m.
Location:	Jade Training Room, GAM HQ
Chairperson:	Omar Bin Ahmad (Quality Assurance Manager - QAM)
Attendee:	<ol style="list-style-type: none"> 1. Ismail Bin Sulaiman (Chief Technical Operation Officer - CTOO) 2. Mohammad Nizam Bin Jaafar (Safety Manager - SM) 3. Ibrahim Hazly Bin Mohamad Yusof (Engineering in Charge – EIC) 4. Azillah Bin Matap (Maintenance Inspector / Supervisor – MI/S) 5. Zaty Nadhira Binti Mohamed Zuhari (Continuing Airworthiness Managing Manager – CAMM) 6. Mohamad Khair Bin Shaiful Alam (Quality Assurance Inspector – QAI)
Absent (with apologies)	<ol style="list-style-type: none"> 1. Shamsul Kamar Bin Samsudin (Accountable Manager – AM)

Meeting Objective
To carry out investigation and root cause analyses on the incident.

No.	Remarks
1.0	<p>Welcoming Chairman opening the meeting and welcoming everyone with thanks to all for being present at the meeting.</p>
2.0	<p>Introduction Meeting was called due to occurrences occurred on RMPAOF AW139 aircraft, serial number 31913, registration number 9M-PMF.</p>
3.0	<p>Investigation of Incident The aircraft was on operations Benteng, flight from Kapar to Tanjung Piandang and back to Subang airport. Upon reaching Pantai Remis approximately 5 to 6 NM from coastline on normal cruise, crew alert system appears caution message: utility hydraulic pressure low (HYD UTIL PRESS) illuminates and heard an abnormal noise suspected from MGB compartment. As a standard procedure crew opened quick reference handbook and followed all the action as stated. More cautions message appeared such as no. 2 hydraulic system pressure low (2 HYD OIL PRESS), no. 2 & no. 4 hydraulic pump failed (2 - 4 HYD PUMP), no. 2 hydraulic servo actuator in bypass (2 SERVO) and no. 2 hydraulic system fluid level low (2 HYD MIN). The abnormal noise was heard intermittently. Crew decided to land at Pantai Remis (SMK Dato' Idris Pangkalan Baru).</p> <p>Initial investigation indicated PCM No. 2 hydraulic quantity indicator stated zero level and maintenance personnel unable to determine the source of leaking. Aircraft was locked and cordoned on site while pilot and maintenance crew fly back to Subang base by 9M-PMD aircraft. On the same day, 5 Maintenance crew personnel (2 x LAE B1.3, 1 x B2 & 2 x Technician) was dispatch to site for aircraft recovery.</p> <p>After further troubleshooting, found out no. 4 hydraulic pump pressure line to PCM no. 2 found chaffing with air-conditioning hose clamp (Refer attachment 1).</p>
4.0	<p>Root Cause 1. -</p>

5.0	Topic	Discussion	Remarks
5.1	Aircraft Recovery	<ul style="list-style-type: none"> Dispatch 5 maintenance crew from base consist of 2 x LAE B1.3, 1 x B2, 2 x Technician. Affected area cleaned for detailed visual inspection. Visual inspection found damage on no. 4 hydraulic pump pressure line to PCM no. 2 chaffing with air-conditioning hose clamp. Replacement of damage pipeline. Replenished hydraulic fluid for EGR & troubleshooting. 	Awaiting EGR result
5.2	Technical Query	<ul style="list-style-type: none"> CVFDR & Hums to be download. Technical service to consult with Leonardo Helicopter for support. 	-
5.3	Permit to Fly	<ul style="list-style-type: none"> CAMM to ready for application on Permit to fly with condition to CAAM approval if necessary. 	-
5.4	Preventive Action	<ul style="list-style-type: none"> CAMO issue immediate instruction to inspect all AW139 fleet for chaffing on hose/pipeline. To verify the correct routing on air conditioning hose with another fleet. 	-
5.5	Risk assessment	<ul style="list-style-type: none"> Safer Card has been raised by EIC SM to carry out HIRMM 	-
5.6	Contract	<ul style="list-style-type: none"> Capture all expenses during recovering for warranty claim to Leonardo Helicopter. 	-

Closing

The meeting end at 12:45 p.m.

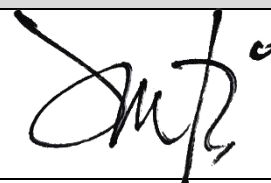
The minute of meeting prepared by

MOHAMAD KHAIR BIN SHAIFUL ALAM



The minute of meeting verified by

OMAR BIN AHMAD



Attachment 1





