

Hazard & Risk Management Database (Register)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Hazard Registration							Risk Management						SRM Task/ Project Status*							
Item	Date Conducted	Area/ Operation/ Equipment	Hazard [H] / Threat [T]				Top-Event [TE] (Reported / Projected)*	Consequence [C] (Reported / Projected)*	Recommended Action			SRM Project Assignment			SRM Project Completion					
			Generic Hazard/ Threat (Original Report)	Specific Hazard/ Threat*	Hazard ID Code	Source of Hazard Information*			Near-miss Incident	Conventional Corrective Action*	SRM Action* (Yes / No)	Priority Level	Orgn/ Dept / Sect	Project I/C	Date Activated	Date Completed & SRM Rpt Ref	Consequence		Next Review Date	Remarks
																	Existing Risk Index	Resultant Risk Index		
1	12-Jan-2024	PGU Subang/ Caravan 208 Aircraft 9M-PSO (20800232).	Perform airworthiness flight test.	Perform airworthiness flight test	GAM/SMS/H-01(24)	Email request	Recurrent	Aircraft system malfunction during flight test.	Aircraft major damage	Perform all scheduled maintenance as per the Approved Aircraft Maintenance Program (AMP)	Yes	Low	PGU Subang	PGU	12-Jan-2024	18-Jan-2024	1B	1B	21/2/2024	SAG Q1
2	12-Jan-2024	PGU Ipoh/ Cessna 1725 Aircraft 9M-PSU (17259525).	Perform airworthiness flight test.	Perform airworthiness flight test	GAM/SMS/H-02(24)	Email request	Recurrent	Aircraft system malfunction during flight test.	Aircraft major damage	Perform all scheduled maintenance as per the Approved Aircraft Maintenance Program (AMP)	Yes	Low	PGU Subang	PIC Hj. Amran	12-Jan-2024	18-Jan-2024	1B	1B	21/2/2024	SAG Q1
3	16-Jan-23	PGU Subang/ Caravan 208 Aircraft 9M-PSN (20800231).	Perform airworthiness flight test.	Perform airworthiness flight test	GAM/SMS/H-03(24)	Email request	Recurrent	Aircraft system malfunction during flight test.	Aircraft major damage	Perform all scheduled maintenance as per the Approved Aircraft Maintenance Program (AMP) (Refer to App 01).	Yes	Low	PGU Subang	PGU	16-Jan-2024	29-Jan-2024	1B	1B	21/2/2024	SAG Q1
4	18/02/2024	PGU Subang AW139	Suspected unapproved parts (SUPS)	Suspected unapproved parts (SUPS)	GAM/SMS/H-04(24)	Audit 2023-GAM-SAR/003/23	Recurrent	Damage to the aircraft components.	Aircraft unserviceable	Ensure part supplies by approved vendor list verified by the OEM.	Yes	Low	PGU Subang	EIC Ainuddin	18-Jan-2024	9-Feb-2024	1E	1E	21/2/2024	SAG Q1
5	23/01/2024	MIAT/General Aviation/ 9M-SAAS	Scheduled Maintenance Overdue	Scheduled Maintenance Overdue	GAM/SMS/H-05(24)	Email request	Recurrent	Reduction of aircraft ability to perform safe operation	Aircraft unserviceable	Perform 2 year inspection as per AMM Chapter 05. (Refer Workpack 9M-SAAS-17756 App 01)	Yes	Low	MIAT GA	EIC Muquodim	23-Jan-2024	15-Feb-2024	1D	1D	21/2/2024	SAG Q1
															24-Jan-2024	16-Feb-2024			21/2/2024	SAG Q1
6	16/02/2024	PGU AW139/ 9M-PMD/MAIN ROTOR BLADE	CONGESTED HANGAR	CONGESTED HANGAR	GAM/SMS/H-06 (24)	MOR-	Recurrent	MAIN ROTOR BLADE TIP CAP SLIGHTLY DAMAGE	AIRCRAFT UNSERVICABLE	Preparation of aircraft arrangement as per schedule flight plan.	No	Low	PGU Subang AW139	EIC Ainuddin	16-Feb-2024	16/2/2025	1E	1E	21/2/2024	SAG Q1
7	26/02/2024	MIAT/MAINTENANCE JBPM/9M-BOB(11212)	EXTENSION FOR THE SCHEDULED MAINTENANCE INSPECTION.	EXTENSION FOR THE SCHEDULED MAINTENANCE INSPECTION DUE TO 200 FH INSPECTION (AIRFRAME & ENGINE), 400FH INSPECTION (AIRFRAME) AND 800 FH INSPECTION (AIRFRAME & ENGINE NO.2).	GAM/SMS/H-07(24)	Email request	Recurrent	REDUCTION OF AIRCRAFT ABILITY TO PERFORM SAFE OPERATION	AIRCRAFT NOT AIRWORTHY	To carry out Chapter 4 item in 200 FH inspection.	No	Low	MIAT JBPM	EIC Muhammad	26/2/2024	29/2/2024	1D	1D	5/6/2024	SAG Q2
8	1 March 2024	PGU SUBANG/ KING AIR	SPARE SHORTAGE	SPARE SHORTAGE	GAM/SMS/H-08 (24)	Audit Report GAM-SAR/006/23	Recurrent	AIRCRAFT GROUNDED	MAINTENANCE SCHEDULE DELAY AND INCREASE MAINTENANCE WORKLOAD	Early demand for critical spare.	Yes	Low	PGU SUBANG/ KING AIR	EIC Zainurin	1 March	3 March	1D	1D	5/6/2024	SAG Q2
9	13-March-2024	WORKSHOP- GAM OC	NEW AIRCRAFT BATTERY CAPABILITIES - LITHIUM-ION	NEW AIRCRAFT BATTERY CAPABILITIES - LITHIUM-ION	GAM/SMS/H-09 (24)	EMAIL	Recurrent	SHORT CIRCUIT OF THE BATTERY DUE TO MISHANDLING	DAMAGE TO BATTERY/ EQUIPMENT/ INJURIES TO PERSONNEL	Insulated tools/ equipment for the battery handling.	Yes	Low	WORKSHOP- GAM OC	Hamidah	13-March-2024	15-March-2024	1D	1D	5/6/2024	SAG Q2

24	28 May 24	APMM/AS365N3	EIC TO UPDATE	EIC TO UPDATE	GAM/SMS/H-24(24)	Audit Report GAM-SAR/004/23	Recurrent	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE
25	28 May 24	APMM/AS365N3	EIC TO UPDATE	EIC TO UPDATE	GAM/SMS/H-25(24)	Audit Report GAM-SAR/004/23	Recurrent	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE
25	28 May 24	APMM/AS365N3	EIC TO UPDATE	EIC TO UPDATE	GAM/SMS/H-26(24)	Audit Report GAM-SAR/004/23	Recurrent	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE
26	28 May 24	APMM/AS365N3	EIC TO UPDATE	EIC TO UPDATE	GAM/SMS/H-27 (24)	Audit Report GAM-SAR/004/23	Recurrent	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE	EIC TO UPDATE
28	21 Jun 24	PGU SUBANG/ AW139	UNPLANNED FLIGHT SCHEDULE/AD-HOC	UNPLANNED FLIGHT SCHEDULE/AD-HOC	GAM/SMS/H-28 (24)	Audit Report GAM-SAR/003/23	Recurrent	UNPLANNED OF MANPOWER/SIGNATORY TO RELEASE AIRCRAFT	OPERATIONAL DELAY/ABORT/PENALTY	Early preparation to carry out Daily Inspection/Pre-flight Inspection.	Yes	Low	PGU SUBANG/ AW138	EIC Ainuddin	18 July 2024	18 July 2024	1D	1D		
29	21 Jun 24	PGU SUBANG/ AW139	MANPOWER FATIGUE	MANPOWER FATIGUE	GAM/SMS/H-29 (24)	Audit Report GAM-SAR/003/23	Recurrent	ABSENCE OF PERSONNEL	OPERATIONAL DISTURBANCE	Request manpower support from other department/base.	Yes	Low	PGU SUBANG/ AW139	EIC Ainuddin	21 June 2024	23 June 2024	1D	1D		
30	28 May 24	APMM/AW139	NOISE EXPOSURE FROM APRON	NOISE EXPOSURE FROM APRON	GAM/SMS/H-30(24)	Audit Report GAM-SAR/005/23	Recurrent	IMPAIRED HEARING	COMMUNICATION ISSUE	Wear hearing protective equipment during Engine Ground Run (EGR).	Yes	Low	APMM/AW139	MM Hasannun	26 June 2024	28 June 2024	1C	1C		
31	28 May 24	APMM/AW139	AIRCRAFT EXPOSED TO WEATHER	AIRCRAFT EXPOSED TO WEATHER	GAM/SMS/H-31(24)	Audit Report GAM-SAR/005/23	Recurrent	AIRCRAFT PRONE TO CORROSION	REDUCED STRUCTURE INTEGRITY	Park aircraft further from hangar entrance.	Yes	Low	APMM/AW139	MM Hasannun	26 June 2024	28 June 2024	1C	1C		
32	28 Jun 24	PGU SUBANG/KING AIR	TIGHT DATELINE ON MAINTENANCE	TIGHT DATELINE ON MAINTENANCE	GAM/SMS/H-32 (24)	Audit Report GAM-SAR/006/23	Recurrent	AIRCRAFT UNSERVICABLE	PENALTY FROM CLIENT	Pre plan the manpower for the maintenance.	Yes	Low	PGU SUBANG/KING AIR	EIC Zainurin	28 June 2024	30 June 2024	1E	1E		
33	28 Jun 24	PGU SUBANG/KING AIR	Late submission of the component due from CAMO planner to AMO planner.	Late submission of the component due from CAMO planner to AMO planner.	GAM/SMS/H-33 (24)	Audit Report GAM-SAR/006/23	Recurrent	Late received of spare due to last minit order	Aircraft unservicable	Order spare under Aircraft on ground (AOG)	Yes	Low	PGU SUBANG/KING AIR	EIC Zainurin	28 June 2024	30 June 2024	1E	1E		
34	28 Jun 24	PGU SUBANG/KING AIR	Alternative Parts	Alternative Parts	GAM/SMS/H-34 (24)	Audit Report GAM-SAR/006/23	Recurrent	DURABILITY NOT GOOD AS ORIGINAL ITEM	FREQUENT DOWN FOR MAINTENANCE	Request for original item	Yes	Low	PGU SUBANG/KING AIR	EIC Zainurin	28 June 2024	30 June 2024	1D	1D		
35	28 Jun 24	PGU SUBANG/KING AIR	SLIP, TRIP AND FALL	SLIP, TRIP AND FALL	GAM/SMS/H-35 (24)	Audit Report GAM-SAR/006/23	Recurrent	DAMAGED TO THE AIRCRAFT/ SERIOUS INJURY	REDUCE OF AIRCRAFT SERVICABILITY AND LOSS OF MANPOWER	Warning sign of potential slip trip and fall.	Yes	Low	PGU SUBANG/KING AIR	EIC Zainurin	28 June 2024	30 June 2024	1C	1C		
36	27 Jun 24	APMM/AW139	SLIP, TRIP AND FALL	SLIP, TRIP AND FALL	GAM/SMS/H-36 (24)	Audit Report GAM-SAR/005/23	Recurrent	SPINAL INJURIES	CRHONIC PAIN or PERMANENT DISABILITY	Maintain and clean dry floors.	Yes	Low	APMM/AW139	MM Hasannun	27 June 2024	29 June 2024	1C	1C		
37	27 Jun 24	APMM/AW139	UNEVEN SURFACE AT APRON.	UNEVEN SURFACE AT APRON.	GAM/SMS/H-37(24)	Audit Report GAM-SAR/005/23	Recurrent	LANDING GEAR DAMAGE DUE TO ENCOUNTERING UNEVEN SURFACE.	STRUCTURAL DAMAGE TO THE LANDING GEAR, POTENTIALLY AFFECTING THE AIRFRAME.	Regular surface inspection of the apron area to identify uneven surfaces or other hazards	Yes	Low	APMM/AW139	MM Hasannun	27 June 2024	29 June 2024	1C	1C		
38	28 May 24	APMM/AW139	IMPROPER LOCATION OF THE PLATFORM.	IMPROPER LOCATION OF THE PLATFORM.	GAM/SMS/H-38(24)	Audit Report GAM-SAR/005/23	Recurrent	RISK OF ACCIDENT CONTACT WITH THE AIRCRAFT, LEADING STRUCTURE DAMAGE.	INCREASE DOWNTIME FOR AIRCRAFT, EFFECTING OPERATIONAL SCHEDULES.	Clear SOPs for the placement and movement of servicing platforms within the hangar.	Yes	Low	APMM/AW139	MM Hasannun	28 June 2024	30 June 2024	2B	1B		
39	9 Jul 24	JBPM BERTAM/AW139	MAINTENANCE FLIGHT TEST SCHEDULE (MFTS)	MAINTENANCE FLIGHT TEST SCHEDULE (MFTS)	GAM/SMS/H-39 (24)	Audit Report GAM-SAR/009/23	Recurrent	AIRCRAFT TOPPLE	INJURED/DAMAGED OF THE AIRCRAFT	Qualified and well trained pilot.	Yes	Low	JBPM BERTAM /AW139	EIC Razif	3 July 2024	5 July 2024	1C	1C		
40	3 Jul 24	JBPM BERTAM/AW139	MISSED OUT ON SCHEDULE MAINTENANCE DUE DATE	MISSED OUT ON SCHEDULE MAINTENANCE DUE DATE	GAM/SMS/H-40 (24)	Audit Report GAM-SAR/009/23	Recurrent	AIRCRAFT NOT AIRWORTHY	PENALTY AND MISSION CANNOT BE CARRIED OUT	Forecast on the schedule maintenance prepared by CAMO planner.	Yes	Low	JBPM BERTAM /AW139	EIC Razif	3 July 2024	5 July 2024	1E	1E		
41	3 Jul 24	JBPM BERTAM/SURROUNDING AREA AND AW139	WILDLIFE	WILDLIFE	GAM/SMS/H-41 (24)	Audit Report GAM-SAR/009/23	Recurrent	COMPROMISE THE SAFETY OF CREWS AND WORKERS	INJURY TO PERSONNEL	Install bird deterrent.	Yes	Low	JBPM BERTAM /AW139	EIC Razif	3 July 2024	5 July 2024	1E	1E		

42	10 Jul 24	PGU SUBANG/ KING AIR/ 9M-PTA (SN:FL-587)	PHASE 4 INSPECTION PACKAGE DUE BY CALENDAR.	PHASE 4 INSPECTION PACKAGE DUE BY CALENDAR.	GAM/SMS/H-42(24)	Email request	Recurrent	MAIN LANDING GEAR FAILS TO OPERATE BY NORMAL OPERATION.	AIRCRAFT NOT AIRWORTHY DUE TO HYDRAULIC LEAK.	To perform actuator assembly repair as per manufacturer requirement.	Yes	Low	PGU SUBANG/ KING AIR	EIC Zainurin	10 July 2024	12 July 2024	1D	1D		
43	28 Jul 24	PGU SUBANG/ AW139/ (9M-PME, SN:31855, ENGINE #1 SN:PCE-KB2214 & ENGINE #2 SN:PCE-KB2224)	SCHEDULED MAINTENANCE EXTENSION.	SCHEDULED MAINTENANCE EXTENSION.	GAM/SMS/H-43 (24)	Email request	Recurrent	REDUCTION OF ENGINE ABILITY TO PERFORM SAFE OPERATION.	HIGH FUEL CONSUMPTION.	Perform 600 FH inspection task Engine #1 & #2 fuel system- fuel nozzle as per EMM Chp. 73-10-05.	Yes	Low	PGU SUBANG/ AW139	EIC Ainuddin	15 July 2024	17 July 2024	1E	1E		

Hazard ID Code:	
Sector (1) - Organization (2) - Hazard No (3) - Priority Level (4) - Year (5)	
1	Sector: AGA / ANS / OPS / DMO / AMO / MDO* (*MDO - Materials Distribution Organizations, including fuel distribution)
2	Organization: Five letters code (eg ALPHA - Alpha Airline)
3	Hazard No: Hazard number (eg H001) as assigned by the organization concerned within a given Year.
4	Priority Level: Hazard prioritization Level [High (Accident), Medium (Serious Incident), Low (Incident)].
5	Year: Year when the Hazard was registered in the organization's Hazard Register.
Hazard ID Code Illustration:	
a)	OPS-ALPHA-H001-M-013 [Air Operations - Alpha Airline - Hazard #1 - Moderate Priority - Year 2013]
b)	AGA-GATB-H005-L-012 [Aerodrome - Timbaktu Airport - Hazard #5 - Low Priority - Year 2012]

*Explanatory Notes:	
1	Specific Hazard/ Threat: If more than one Hazard/ Threat identified, register such additional Hazard/ Threat under new row/ item
2	Source of Information: Hazard information as may be extracted from - Voluntary Hazard Rpt, Occurrence Notification/ Investigation Rpt, Internal Audit Rpt, External Audit Rpt, Hazard Survey Rpt, Operational Data Review Rpt
3	Reported/ Projected (C): Annotate C description as a "Reported" occurrence or a "Projected" occurrence. If multiple H>TE>C combinations involved, register each combination under a new Row (Each single H>TE>C combination will constitute one potential SRM Task)
4	Corrective Action: If the Hazard can be effectively eliminated through conventional corrective action (eg disposal, repair, replacement, modification), annotate YES with the action taken/ recommended. Otherwise annotate NO.
5	SRM Action: Annotate YES to indicate systematic SRM action is recommended (or has been taken already). Annotate NO if systematic SRM action is not recommended (or not necessary).
6	Priority Level: SRM or Corrective Action Priority Level based on (Annex 13) occurrence category of the projected (or reported) Top-Event or Consequence. Accident - High; Serious Incident - Medium; Incident - Low.
7	SRM Task/ Project Status: This column for registration of assigned (new) SRM project, or a previously completed SRM project (with respect to the specific H>TE>C thread).

Note: Refer sheet 13 for an illustration of how this registered Hazard "OPS-ALPHA-H1-M-013" is followed up with a Safety Risk Mitigation (SRM) process.

Possible additional Code (Hazard Type): ENV, Tech, ORG, Human (CICTT)