
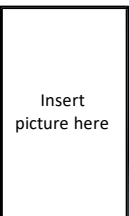
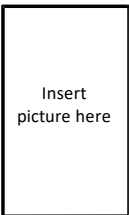
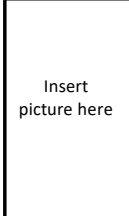
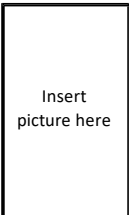


## SAFETY RISK ASSESSMENT (HIRARC) FORM


Document No.:	GAM/SMS-HR/002(18)
Release date:	21 May 2020
SMS Page:	APPENDIX C

HIRARC NO.:	GAM/SMS/H-65(19)	Date conducted:	21 May 2020	Conducted by:	Nizam (SM)	Approved by:	Mohammad Nizam Jaafar
Process/ Location:	To add AMO capability King Air 350	Revision:	01	Received By:	Omar (QAM)	Signature:	

No.	Hazard Identification				Risk Assessment			Risk Control			
	Workplace/ Activity	Hazard	Consequences/ Effects	Likelihood	Severity	Risk Rating	Existing Risk Control (if any)	Recommended and additional Control	PIC	Status/ Remarks	
1	 Insert picture here	To add aircraft capability of Beechcraft Super King Air 350 for GAM AMO 145 line and base maintenance capability at PGU Kota Kinabalu up to 400 hrs. and/or 6 months	Transition of additional capability upgraded will implicate interest of the company with non-compliance with authority regulation	The company cannot achieve their business opportunities and commercial values	4	E	<b>4E</b>	<b>Admin. Control:</b> Refer to SMS Manual Part 14.2 (Process of management of change MOC)	<b>Admin. Control:</b> Identify gaps and weaknesses thru MOC tracking to ensure the achievement	SM QAM	Risk reduced to <b>3E</b> after additional control measure and found on acceptable level
2	 Insert picture here	The maintenance facility will be at (RMPAOF) PGU Kota Kinabalu Maintenance facilities recently has been approved by CAAM as base and line maintenance facility	The facilities do not meet the standard of authority requirement which lead to be an unsafe working environment	Improper maint. facilities can harm a personal and cause of a/c and component damage	4	C	<b>4C</b>	<b>Admin. Control:</b> Refer to SMS Manual Part 13.2 and MOE Part 3.1.2 (Safety & QA Audit)	<b>Admin. Control:</b> To do an observation or re-audit of main't areas for improvement	QAM SM	Risk reduced to <b>2C</b> after additional control measure and find on acceptable level after review
3	 Insert picture here	Requirement of appropriate training for (qualified authorized personnel) & other necessary training and adequate manpower to performed prescribed task	Reduction of ability to perform a prescribe function due to lack and adequate training and manpower as per required	Difficulty to perform a task as per task assigned and will implicated to a/c safety	2	E	<b>2E</b>	<b>Admin. Control:</b> Refer to MOE Part 3.4.5 (Training and continuation training)	<b>Admin. Control:</b> An additional related training to enhance personal capabilities for King Air 350	QAM EM	Risk reduced to <b>1E</b> after an additional control measure and found was on acceptable level
4	 Insert picture here	Requirement of a general & special tool, test equipment, calibrated tool, GSE and test equipment are provided and available by Galaxy Aerospace for maintenance activities	The equipment does not meet the standard of authority compliance which lead to be an unsafe working environment	equipment that did not meet the specifications can cause of a/c and component damage	4	C	<b>4C</b>	<b>Admin. Control:</b> Refer to MOE Part 2.4 (Acceptance of tool and equipment)	<b>Admin. Control:</b> To observe for identification, COC and support agreement from PGU as required	EM QAM	Risk reduced to <b>1C</b> after an additional control measure and found was on acceptable level

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5	Insert picture here (RMPAOF) PGU Kota Kinabalu maintenance facilities have a dedicated maintenance area include hangar space, store and office for King Air 350 maintenance activities	The facilities do not meet the authority standard as per AMO 145 & safety requirement which lead to be unsafe working environment.	Improper maint. facilities may harm personnel, aircraft and a/c component damage	3	C	<b>3C</b>	<b>Admin. Control:</b> Refer to SMS Manual Part 13.2 and MOE Part 3.1.2 (Safety & QA Audit)	<b>Admin. Control:</b> To do an observation for identification of areas for improvement	SM QAM	Risk reduced to <b>2C</b> after additional control measure and found on acceptable level after review	
6	Insert picture here Chemical and compressed gas cylinder handling and storage, POL storage management and waste management with include general waste and schedule waste	Uncontrolled condition which lead to unsafe condition for example chemical spillage, chemical reaction and leaking of inert or oxygen gases	Contributing to industrial fire and spillage which affected aircraft and personnel safety	4	C	<b>4C</b>	<b>Admin. Control:</b> Refer to Safety Bulletin, Issue June 2017 (Storage and handling chem.)	<b>Admin. Control:</b> To established required procedure (EPM) and related required training	EM SM	Risk reduced to <b>2C</b> after additional control measure and find on acceptable level after review	
7	Insert picture here (RMPAOF) PGU Kota Kinabalu maintenance facilities evacuation and salvage operation for hangar and office area to be amended by adding King Air 350	Unsafe condition which lead to unsafe act for example the action and reaction of personnel on the event of fire or emergency situation	Improper evacuation procedure which affected aircraft and personnel safety	3	B	<b>3B</b>	<b>Admin. Control:</b> Refer to SMS Manual Part 13.2 and MOE Part 3.1.2 (Safety & QA Audit)	<b>Admin. Control:</b> An additional related training to enhance personal capabilities	SM QAM	Risk reduced to <b>1B</b> after an additional control measure and found was on acceptable level after review	
8	Insert picture here Adequate and appropriate (PPE) with include emergency shower, eye wash, safety signages and fire protective and preventive equipment was available and serviceable	Unsafe condition which lead to unsafe act for example the action and reaction of personnel on the event of fire or emergency situation	Inadequate equipment can cause personnel injury, facility, a/c and a/c component damage	4	C	<b>4C</b>	<b>Admin. Control:</b> Refer to SMS Manual Part 13.2 and MOE Part 3.1.2 (Safety & QA Audit)	<b>PPE Control:</b> To observe adequacy, effectiveness and suitability of the related equipment	SM QAM	Risk reduced to <b>2C</b> after an additional control measure and found was on acceptable level after review	