


SAFETY RISK ASSESSMENT (HIRARC) FORM


Document No.:	GALAXY-HSE-SMS
Release date:	21 May 2019
SMS Page:	APPENDIX C

HIRARC NO.:	GAM/SMS/H-71(19)	Date conducted:	20 May 2019	Conducted by:	Nizam (SM)	Approved by:	Mohammad Nizam Jaafar
Process/ Location:	GAM Avionics Workshop approval	Revision:	0	Received By:	Salman (QAM)	Signature:	

Hazard Identification				Risk Assessment				Risk Control			
No.	Workplace/ Activity		Hazard	Consequences/ Effects	Likelihood	Severity	Risk Rating	Existing Risk Control (if any)	Recommended and additional Control	PIC	Status/ Remarks
	1	<div style="border: 1px solid black; width: 50px; height: 50px; margin: auto; text-align: center; line-height: 50px;">Insert picture here</div>	GAM 145 to add internal capability for battery replacement and programming capabilities for current maintenance contract and external clients.	Transition of additional capability will implicate interest of the company with non-compliance with authority regulation	The company can't achieve their business opportunities and its commercial values	4	E	4E	Admin. Control: Refer to SMS Manual Part 14.2 (Process of management of change MOC)	Admin. Control: Identify gaps and weaknesses thru MOC tracking to ensure the achievement	QAM
2	<div style="border: 1px solid black; width: 50px; height: 50px; margin: auto; text-align: center; line-height: 50px;">Insert picture here</div>	GAM 145 to setting up an Avionics workshop for battery replacement and programming capabilities for Artex Aviation ELT Series.	Transition of additional capability will implicate interest of the company with non-compliance with safety, quality, authority standard and regulation	Improper workshop facilities can cause of product and component damage	3	C	3C	Admin. Control: Refer to SMS Manual Part 13.2 (Safety Audits) and MOE Part 3.1 (QA Audit)	Admin. Control: To carried out an observation and surveillance for identify of areas for improvement	QAM SM	Risk reduced to 2C after additional control measure and find on acceptable level after review
3	<div style="border: 1px solid black; width: 50px; height: 50px; margin: auto; text-align: center; line-height: 50px;">Insert picture here</div>	The workshop facility will be at GAM HQ ground floor as dedicated area for avionics workshop and been approved by authority (CAAM)	The workshop facilities not meet the authority standard as per Part 145 Class C Ratings & safety requirement which lead to be unsafe condition	Improper of the facilities may cause property, product and component damage	3	C	3C	Admin. Control: Refer to SMS Manual Part 13.2 (Safety Audits) and MOE Part 3.1 (QA Audit)	Admin. Control: To carried out an observation and surveillance for identify of areas for improvement	QAM EM SM	Risk reduced to 2C after additional control measure and find on acceptable level after review
4	<div style="border: 1px solid black; width: 50px; height: 50px; margin: auto; text-align: center; line-height: 50px;">Insert picture here</div>	An appropriate training is required, qualified authorized personnel and adequate personnel for performing the prescribed task as per operational requirement	Reduction of ability to perform a prescribe function due to lack of manpower and adequate training as per required	Difficulty to perform a task as per task assigned and implicated to a/c component safety	3	B	3B	Admin. Control: Refer to MOE Part 3.4.5 (Training and continuation training)	Admin. Control: An additional related training to enhance personal capabilities	QAM EM SM	Risk reduced to 1B after additional control measure and find on acceptable level after review

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No.	Hazard Identification				Risk Assessment			Risk Control			
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5	Insert picture here	Requirement of a standard tooling, test equipment, calibrated tool, and test equipment are provided with include requirement of ESDs capability	The equipment does not meet the standard of authority compliance which lead to be an unsafe working environment and affected product safety	Equipment that didn't meet the specifications can cause of a/c and component damage	4	C	4C	Admin. Control: Refer to MOE Part 2.4 (Acceptance of tool and equipment)	Admin. Control: To observe for identification and the COC of equipment for a save utilization	QAM EM SM	Risk reduced to 2C after existing and additional control measure and find on acceptable level after review
6	Insert picture here	Requirement for appropriate and adequate electrical supply as per required ratings suggested by OEM to perform the prescribed task as per operational and task requirement	The power supply does not meet the standard of OEM or manufacture compliance which lead to be an unsafe working environment and affected product safety	Improper handling of equipment may harm personnel, property and resulting in product damage	3	C	3C	Admin. Control: Refer to MOE Part 2.4 (Acceptance of tool and equipment)	Admin. Control: To carried out an appropriate training and developed procedure to enhance safety	QAM EM SM	Risk reduced to 2C after additional control measure and find on acceptable level after review
7	Insert picture here	Requirement of hygrometer and dehumidifier for temperature and humidity control in the designated facility as per operational requirement	Uncontrolled temperature and humidity levels will be affecting product properties such as tensile strength, cooling ability, and corrosion control	Improper facility and product handling may cause of or resulting in product damage	4	C	4C	Admin. Control: Refer to EPM 2-02 Part 4.1.b (Storage and Shelf Life Control Aircraft Parts)	Admin. Control: To record the temperature and humidity daily and device calibration	QAM EM SM	Risk reduced to 2C after additional control measure and find on acceptable level after review
8	Insert picture here	Requirement of utilization an appropriate (PPE) as reasonable and practical during performing the prescribed task as per operational requirement	Failure to used PPE will exposed to a variety hazards when engineering and administrative controls are not feasible or effective to reduce risks	Risk to personal from injury or death and employers at risk of prosecution	3	D	3D	PPE Control: An appropriate PPE is already placed at MIAT store for utilization	PPE Control: To place an appropriate PPE as required at avionics Workshop	QAM EM SM	Risk reduced to 1D after existing and additional control measure and find on acceptable level