
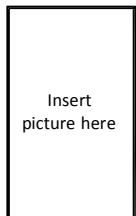
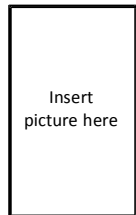
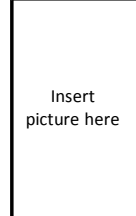
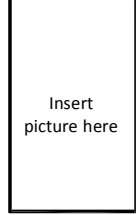


HIRARC REGISTER


Document No.:	GALAXY-HSE-SMS
Release date:	28 Dec 2019
SMS Page:	APPENDIX C

HIRARC NO.:	GAM/SMS/H-83(19)	Date conducted:	28 Dec 2019	Conducted by:	Nizam (SM)	Approved by:	Mohammad Nizam Jaafar
Process/ Location:	JBPM Fleet at MIAT Maintenance Facility	Revision:	0	Received By:	Salman (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	JBPM fleet 2x AW139 2x AW189 and 1x AW109 to operate at MIAT Subang facility for line & base maintenance as per AMO Part 145 requirement.	Transition of 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	4E	Admin. Control: Refer to SMS Manual Part 14.2 (Process of management of change MOC)	Admin. Control: Introduce a MOC checklist to Identify gaps and weaknesses	QAM	Risk reduced to 3E after existing and additional control measure and find on acceptable level
2	 Insert picture here	MIAT Subang maintenance facilities is enough and has an appropriate maintenance area which include hangar space, store and maintenance office.	The facilities do not meet the authority standard as per Part 145 & safety requirement which lead to be unsafe working environment.	Improper maint. facilities may harm personnel, aircraft and a/c component damage	3	C	3C	Admin. Control: Refer to SMS Manual Part 13.2 (Safety Audits)	Admin. Control: To do an observation and surveillance for identify of areas for improvement	QAM SM	Risk reduced to 2C after existing and additional control measure and find on acceptable level after review
3	 Insert picture here	Requirement of adequate and appropriate test equipment, standard tools, calibrated tools, special tools and GSE and Maintenance platform for the maintenance operation	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	3	B	3B	Admin. Control: Refer to MOE Part 2.4 (Acceptance of tool and equipment)	Admin. Control: To observe the acceptance of equipment from JBPM for a save utilization	QAM EM SM	Risk reduced to 1B after existing and additional control measure and find on acceptable level after review
4	 Insert picture here	Adequate manpower for the maintenance activities with include certifying staff and non-certifying to cater the JBPM fleet operation	Reduction of ability to performed prescribed task which lead to be an unsafe working environment	Difficulty to perform a task as assigned and implicated the aircraft safety	3	E	3E	Admin. Control: Refer to MOE Part 3.1 (Quality Assurance Audit)	Admin. Control: To update a list of approval holder to cater the operation requirement	QAM EM	Risk reduced to 2E after additional control measure and find on acceptable level

HIRARC REGISTER

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SMS Page:	APPENDIX C

HIRARC NO.:	Continuation of GAM/SMS/H-13(17)	Date conducted:	11 Sept 2017	Conducted by:	Nizam (SM)	Approved by:	Mohammad Nizam Jaafar
Process/ Location:	Additional line & base maintenance facility	Revision:	0	Received By:	Salman (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	
5	Insert picture here Chemical and compressed gas cylinder handling and storage, POL storage management and waste management	Uncontrolled condition which lead to unsafe condition for example chemical spillage, chemical reaction and leaking of inert gases	Contributing to industrial fire which affected aircraft and personnel safety	4	B	4B	Admin. Control: Refer to Safety Bulletin, Issue June 2017 (Storage and handling chem.)	Admin. Control: To established required procedure and related training	QAM EM SM	Risk reduced to 2D after existing and additional control measure and find on acceptable level	
6	Insert picture here GAM - MIAT Subang maintenance facilities evacuation and salvage operation in hangar and office	Unsafe condition which lead to unsafe act for example the action and reaction on the event of fire occurrence	Improper evacuation procedure which affected aircraft and personnel safety	4	B	4B	Admin. Control: Refer to SMS Manual Part 15 (Emergency response plan)	Admin. Control: To customize ERP layout plan at GAM-MIAT facilities as per requirement	SM	Risk reduced to 2D after existing and additional control measure and find on acceptable level	
7	Insert picture here Galaxy Aerospace scrapped material management and control requirement	Uncontrolled scrap material which lead to unsafe condition	Unserviceable or scrap item, spares and component are potentially to be accidentally reused	3	B	3B	Admin. Control: Refer to Safety Bulletin, Issue August 2017 (Safety in aviation industries)	Admin. Control: To established procedure for the required condition	QAM EM	Risk reduced to 3E after existing and additional control measure and find on acceptable level	
8	Insert picture here GAM - MIAT Subang facilities aircraft maintenance area (hangar), store and office area prohibition control (visitor, contractor staff or student) requirement	Unsafe condition which lead to unsafe act for example visitor or student did an unforeseen dangerous attempt on the aircraft	Contribute to aircraft or aircraft component damage and aircraft safety	4	B	4B	Admin. Control: Refer to Safety Memo, ref no: GAM-S/ME/05/OCT16 Facility Access Policy	Admin. Control: To established procedure for the required condition	QAM EM SM	Risk reduced to 2E after existing and additional control measure and find on acceptable level	