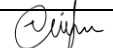


SAFETY RISK ASSESSMENT (HIRARC) FORM

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SMS Page:	APPENDIX C

HIRARC NO.:	GAM/SMS/H-78(19)	Date conducted:	9 Dec 2019	Conducted by:	Nizam (SM)	Approved by:	Mohammad Nizam Jaafar
Process/ Location:	Locally fabricated tools procedure	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: 0 auto; display: flex; align-items: center; justify-content: center;"> Insert picture here </div>	GAM have been fabricating tools locally to be used on maintenance. These tools have been fabricated as per OEM specification and user guidance requirement	Reduction of ability to perform a prescribe task will implicate maintenance operations with non-compliance with authority requirement	Difficulty to perform assigned task and may implicated aircraft operation and safety	4	E	4E	Admin. Control: Refer to SMS Manual Part 14.2 (Process of management of change MOC)	Admin. Control: All request for alternative tools or fabricated tools must be raised by MOC	SM	Risk reduced to 3E after additional control measure and found on acceptable level
2	<div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> Insert picture here </div>	Internal procedure needs to be in placed to include authority requirement or user guidance and involvement of related department must be established	The procedure does not meet the standard of authority requirement and compliance which lead to be an unsafe working condition	Improper and weak enforced procedure may implicate the operation safety and a/c safety	3	C	3C	Admin. Control: Refer to MOE Section 2.6.3 (Alternative tools and equipment)	Admin. Control: To develop an alternate tooling record form as a tracking for the implementation	EM QM SM	Risk reduced to 2C after existing and additional control measure and find on acceptable level after review
3	<div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> Insert picture here </div>	The fabricated tools must be through an appropriate test e.g load test, material test and calibration as required as recommended by TSE and will carried out by manufacturer or an appropriate laboratory	Reduction of ability to perform a prescribe work and function due to lack and adequate training as per required which lead to be an unsafe working condition	Defect tools may be a potential of risk to a/c or a/c component damage and personnel injury	2	E	2E	Admin. Control: Refer to MOE Section 2.6.3 (Alternative tools and equipment)	Admin. Control: Vendor audit to be carried out to ensure the service provider meet the standard as required	QAM EM	Risk reduced to 1E after an additional control measure and found was on acceptable level
4	<div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> Insert picture here </div>	An appropriate training must be carried out by end user or operation before the tools is officially been used in maintenance activities to familiarize the use of tools	Reduction of ability to perform a prescribe work due to lack and adequate training as per required which lead to be an unsafe working condition	Lack of training may implicate to tools damage and personnel injury	3	B	3B	Admin. Control: Refer to MOE Section 2.6.3 (Alternative tools and equipment)	Admin. Control: Additional training to be carried out by operation for the fabricated tools	SM QAM EM	Risk reduced to 1B after an additional control measure and found was on acceptable level