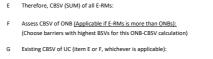
A					
1. HIRM REFERENCE NUMBER: GAM/SMS/H-115(21)			*		
2 AREA/ OPERATION/ EQUIPMENT: Aircraft Maintenance Operation 3. HAZARD / THREAT [H/T]: PLPGU Hangar KK as a new Line ar	nd Base Maintenance location (new capability).		GalaxyAerospace		
4. UNSAFE EVENT [UE]: Difficulty to perform aircraft main					
5. ULTIMATE CONSEQUENCE [UC]: Impact to the company reputation Date Conducted 24-Apr-21	Conducted by Safety Departm	nt Approved by Mohammad Nizam Jaafar (Safety Manag			
Revision 0	Received by Safety Departm	nt Document No. GAM/SMS/HRC-003-01/21	RISK MANAGEMENT (HIRM) FORM		
B 1 2 3 4 5 6 7 8 9 10 11		<u>24</u> <u>25</u> <u>26</u> <u>27</u> <u>28</u> <u>29</u> <u>30</u> <u>31</u> <u>32</u> <u>33</u> <u>34</u> <u>35</u>	36 37 38 39 40 41 42 43 44 45 46 47		
Existing Preventive Controls [E-PC]	t Mitigation (as applicable) >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	Existing Recovery Measures [E-RM] RI & T	Ri & T		
Hazard / 1. Backer and / standby system standby system 2. Regulation/ 2. Regulation/ 2. Stand Operation Procedure Procedure 6. Training 6. Training 6. Training 6. Training 6. Training 6. Training 7. Others 7. Others 1. Others 6. Standboln Fac	Tole rability standby system standby system Requirement Requirement - Requirement - Requirement - Requirement - Requirement - Proceedure - Proceedure - Requirement - Proceedure - Training - Control Ecol - Control Ecol - Control Ecol - Resultation -	Unsafe standby system standby system astandby system Requirement Requirement as stad operating as stad operating as stad operating as stad operating as stad operating as stad operating by Stad operating as stad operating by Stad operating as stad operating by Stad operating as stad operating by Sta	standbry system 2. Regulation/) 3. Std Operatium Procedure Procedure 6. Training 6. Training 7. Others 7. Others 6. Training 7. Others 7. Others 7. Others 7. Others 6. Training 7. Others 7. Others		
B E-PC1 EPC1 EF>E- PE2 PC2	N-PC1 PC1 PC1 N-PC2 EF>N- EC>EF>N PC2 PC2 PC2	E-RM2	IMB-R N-RMI Imber N Imber N Imber N <tr< td=""></tr<>		
E-PC3 PC3 PC3 PC3			itatio		
E-PC4			Y repu		
E-PC5 PC5 PC4 2C					
		bertor			
		icuity to per	d d d d d d d d d d d d d d d d d d d		
Description of Existing Preventive Controls [E-PC]	Description of New Preventive Controls [N-PC]	Description of Existing Recovery Measures [E-RM]	Description of New Recovery Measures [N-RM]		
E-PC1: MOC raised as a notification and preparation	N-PC1: To updated tools list between PGU and GAM.	E-RM1: Conduct biweekly meetings with PGU and follow up any unresolved issues.	N-RM1: To perform periodically surveillance by Safety & Quality as MOE		
EF>E-PC1:	EF>N-PC1: Overlook the expiry date or calibration dates	EF>E-RM1:	EF>N-RM1:		
EC>EF>E-PC1:	EC>EF>N-PC1: EC>EF>E-RM1:		EC>EF>N-RM1:		
E-PC2: Manpower required for the operation as manpower list.	N-PC2: Appropriate procedure to meet the requirements of "Qualified Personnel" for aircraft type as per MOE Part 3.4.5	E-RM2: Monitor and follow up the forecast system as per maintenance schedule.	N-RM2: Perform verification audit prior the real audit by authority.		
EF>E-PC2: Insufficient Qualified personnel for aircraft type.	EF>N-PC2: Insufficient additional training as required.	EF>E-RM2:	EF>N-RM2:		
EC>EF>E-PC2:	EC>EF>N-PC2: Scheduled for the appropriate training and update in training record for monitoring purposes.	EC>EF>E-RM2:	EC>EF>N-RM2:		
E-PC3: Facilities are provided by PGU (hangar, store and office at Ipoh)	N-PC3:	E-RM3: Quality Physical Audit as per MOE Part 3.1.2	N-RM3:		
EF>E-PC3: To meet the standard of authority and safety requirement	EF>N-PC3:	EF>E-RM3:	EF>N-RM3:		
EC>EF>E-PC3: Facility audit / Desktop audit as per MOE 3.1	EC>EF>N-PC3: EC>EF>E-RM3:		EC>EF>N-RM3:		
Adequate and appropriate standard tools, GSE and Maintenance platform N-PC4: E-RM4: N-RM4:		N-RM4:			
EF>E-PC4: The equipment may not meet the standard of authority compliance which lead to be an unsafe working environment	EF>N-PC4:	EF>E-RIM4:	EF>N-RM4:		
EC>EF>E-PC4: to ensure PGU follow authority requirement.	EC>EF>N-PC4: EC>EF>E-RM4 EC>EF>N-RM4:		F>N-RM4:		
E-PC5: Mandatory training provided to all maintenance staff as per MOE Part 3.4.5 N-PC5: E-RM5:		E-RMS:	N-RM5:		
EF>P-PC5: Required specific training base on aircraft type. EF>N-PC5: EF>N-P			EF>N-RM5:		
EC>EF>E-PC5:	EC>EF>N-PC5:	EC>EF>E-RM5:	EC>EF>N-RM5:		
D 5-1. Existing Risk Index [Hazard > Unsafe-Event]	5-2. Resultant Risk Index [Hazard > Unsafe-Event]	5-3. Existing Risk Index [Unsafe-Event > Consequence]	5-4. Resultant Risk Index [Unsafe-Event > Consequence]		
A Assessed Existing Severity level of the UE [Wsht 5]: C	A Assessed Existing Severity level of the UE [Wsht 5]: C	A Assessed Existing Severity level of the UC [Wsht 5]: C	A Assessed Existing Severity level of the UC [Wsht 5]: C		
B Therefore, UE's Optimum No of Barriers (ONB) [Wsht 4A, Table3]: C Applicable CBSV-Likelihood Table for this severity level [Table 3]: 4 (iiii)	B Therefore, UE's Optimum No of Barriers (ONB) [Table3]: Applicable CBSV-Likelihood Table for this severity level [Table 3]: 4(iii)	B Therefore, UC's Optimum No of Barriers (ONB) [Table3]: 4 C Applicable CBSV-Likelihood Table for this severity level [Table 3]: 4 (iii)	B Therefore, UC's Optimum No of Barriers (ONB) [Table3]: 4 Applicable CBSV-Likelihood Table for this severity level [Table 3]: 4 (iii)		
D Assessed BSV of individual Existing PCs [Table 1]: E-PC1 2 E-PC2 3 E-PC3 4 E-PC3 4 E-PC4 4 E-PC5 4 E-PC6 0 E-PC7 0 E-PC7 0 E-PC8 0	D Assessed BSV of individual Existing PCs & New PCs [Table 1]: E-PC1 2 N-PC1 5 E-PC2 3 N-PC3 0 E-PC3 4 N-PC3 0 E-PC4 4 N-PC4 0 E-PC5 4 N-PC6 0 E-PC6 0 N-PC6 0 E-PC7 0 N-PC7 0 E-PC8 0 N-PC8 0	D Assessed BSV of individual Existing RMs [Table 1]: E-RM1 4 E-RM3 4 E-RM3 4 E-RM4 0 E-RM6 0 E-RM7 0 E-RM8 0	D Assessed BSV of individual Existing RMs & New RMs [Table 1]: E-RM1 4 E-RM2 4 F-RM3 4 N-RM1 0 E-RM3 4 N-RM4 0 E-RM5 0 N-RM6 0 E-RM6 0 E-RM6 0 N-RM6 0 E-RM8 0		
E Therefore, CBSV (SUM) of all E-PCs:	E Therefore total (SUM) BSV of all E-PCs plus N-PCs: 27	E Therefore, CBSV (SUM) of all E-RMs: 12	E Therefore total (SUM) BSV of all E-RMs plus N-RMs: 21		
F Assess CBSV of ONB (<u>Applicable if E-PCs are more than ONBs)</u> : 15 (Choose barriers with highest BSVs for this ONB-CBSV calculation)	F Assess total BSV of ONB (<u>Applicable if E-PCs + N-PCs is more than ONBs)</u> : 18 (Choose barriers with highest BSVs for this ONB-CBSV calculation)	F Assess CBSV of ONB (<u>Applicable if E-RMs is more than ONBs)</u> : (Choose barriers with highest BSVs for this ONB-CBSV calculation)	F Assess total BSV of ONB (<u>Applicable if E-RMs + N-RMs is more than ONBs)</u> : 17 (Choose barriers with highest BSVs for this ONB-CBSV calculation)		

G Existing CBSV of UE (item E or F, whichever is applicable): H Existing Likelihood of the UE (CBSV-Likelihood Table of item 3): I Existing Risk Index of the UE [Sht8, RI & Tolerability]: J Existing Tolerability of the UE: 2C Moderate Risk

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(Choose barriers with highest BSVs for this ONB-CBSV calculation) 18 G Resultant CBSV of UE (item E or F, whichever is applicable): 1 H Resultant Likelihood of UE (CBSV-Likelihood Table of item 3): I Resultant Risk Index of the UE [Sht8, RI & Tolerability]: J Resultant Tolerability of the UE: 1C



Fvicting Dick Index of the LIC [Sht9, DL9, Tolerability]	н	Existing Likelihood of the UC (CBSV-Likelihood Table of item 3):	2
	I.	Existing Risk Index of the UC [Sht8, RI & Tolerability]:	2C
J Existing Tolerability of the UC: Moderate Risk	J	Existing Tolerability of the UC:	Moderate Risk

EC>EF>N-RM5:				
5-4.	Resultant Risk Index [Unsafe-Event > Consequence]			
А	Assessed Existing Severity level of the UC [Wsht 5]:			
В	Therefore, UC's Optimum No of Barriers (ONB) [Table3]:			
C	Applicable CBSV-Likelihood Table for this severity level [Table 3]:			
D	Assessed BSV of individual Existing RMs & New RMs [Table 1]:			
	E-RM1 4			
	E-RM2 4			
	E-RM3 4			
	E-RM4 0			
	E-RM5 0			
	E-RM6 0			
	E-RM7 0			
	E-RM8 0			
E	Therefore total (SUM) BSV of all E-RMs plus N-RMs:			
F	Assess total BSV of ONB (Applicable if E-RMs + N-RMs is more			
	(Choose barriers with highest BSVs for this ONB-CBSV calculation)			
G	Resultant CBSV of UC (item E or F, whichever is applicable):			

H Resultant Likelihood of UC (CBSV-Likelihood Table of item 3): I Resultant Risk Index of the UC [Sht8, RI & Tolerability]: J Resultant Tolerability of the UC:

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