



**PGU KUCHING LINE & BASE MAINTENANCE FOR TEXTRON 208 CARAVAN QAM AUDIT
QAM AUDIT ON PGU KUCHING COMPLIANCE (GAM-145)**

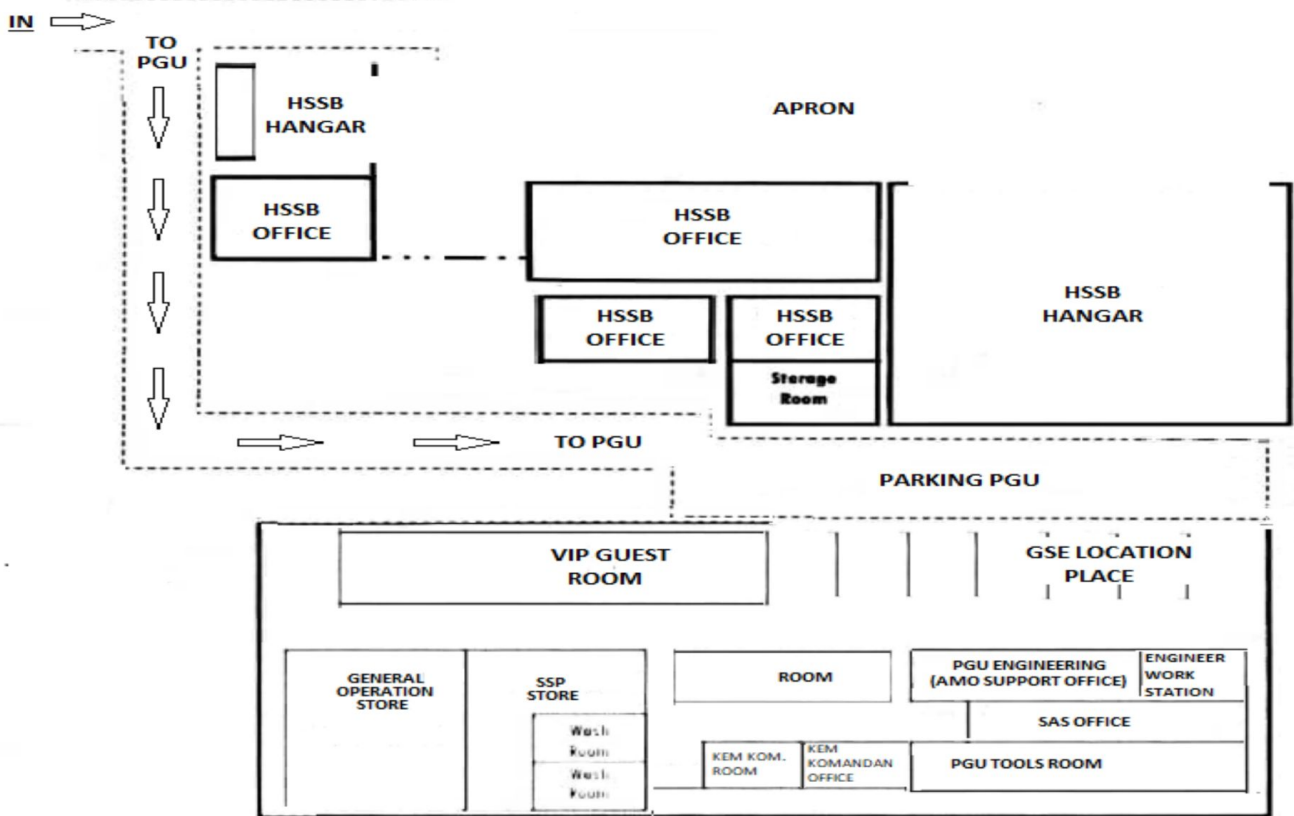
Reference	: Audit Report No IAR-2023/044
Date	: 12 – 13 JUNE 2023
Auditor	: 1 – Muhammad Izzuddin Bin Iberahim (Lead Auditor)
	: 2 – Wan Ahmad Fadhil Bin Wan Mohd Fauzi
	: 3 – Azillah Bin Matap (Observer)

	OBSERVATION	RECTIFICATION / ACTION	REMARKS
1	HANGAR During the audit, auditee was unable to provide hangarage agreement for utilization of the Hornbill hangar for Textron 208 Caravan Line/Base Maintenance. (NCR 01)	Hangarage rental will be arrange on as and when required basis. A Government Local Order (LO) based on HSSB quotation, will be issued when hangar space is required. HSSB is registered with MOF to accept Government LO.	
2	MAINTENANCE SUPPORT OFFICE During the audit, auditee was unable to provide the detail layout of both maintenance hangar and the maintenance support office. (NCR 02)	Details layout for maintenance hangar is as attached. Details layout for office is as attached.	Refer Appendix 1 Refer Appendix 2
3	Housekeeping is required on inside the maintenance support office and surrounding area of the maintenance support office. (Observation 1)	House keeping inside maintenance support office carried out. House keeping at surrounding area carried out.	Refer Appendix 3 Refer Appendix 4

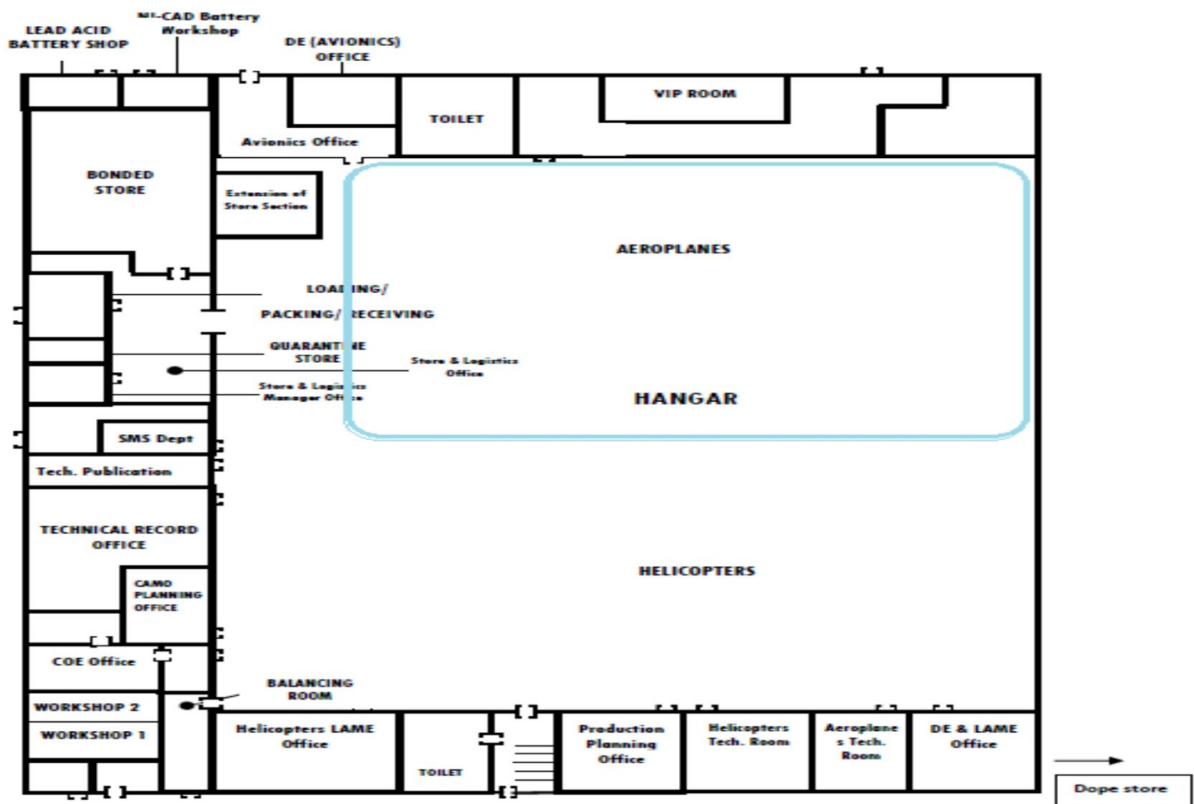
<p>4</p>	<p>PERSONNEL REQUIREMENTS</p> <p>Personal file for each individual stationed at PGU Kuching Maintenance Support Office was not available.</p> <p>(NCR 03)</p>	<p>Personal files for the following personnel are created :</p> <ol style="list-style-type: none"> 1. Mohd Zuki Bin Hat 2. Osman Bin Ahmad 3. Nizam Bin Nongchi 4. Boniface Mindek 5. Liza Binti Bujang Ahmad 6. Julian Mark Bolong 7. Rodi Bin Mejeri 8. Bangga Phillip 	<p>Refer Appendix 5</p>
<p>5</p>	<p>Recommendation made by auditor to each personnel station at PGU Kuching to familiarize the GAM process & procedure readily available in GAMS Portal.</p> <p>(Observation 2)</p>	<p>Training on GAM/EPMGU/AMO/ISS. 1 REVISION 0 DATED 31 JAN 2022 conducted by Mr. Mohd Ajmain Bin Kassebullah</p>	<p>Refer attendance training record in Appendix 6</p>
<p>6</p>	<p>Auditor has advised PGU Kuching PIC on the additional guidance to the Production Planning Control (PPC) to ensure smooth maintenance of the aircraft.</p> <p>(Observation 3)</p>	<p>The PPC has also discussed this matter to get some advice during the EPMPGU Training with the teaching staff to ensure smooth aircraft maintenance at PGU Kuching.</p>	<p>Refer record attendance of PPC Pn Liza Bujang Ahmad in Appendix 6</p>
<p>7</p>	<p>TOOLS AND EQUIPMENT REQUIREMENTS</p> <p>POL system management & control was not followed as per EPMPGU Chapter 2-02. Identification of suitable POL station together with POL list including POL label was not made available during the audit.</p> <p>(NCR 04)</p>	<p>Dedicated POL cabinet is placed and materials and management of the cabinet is restructure i.a.w EPM Chapter 2-2.</p>	<p>Refer Appendix 7</p>

<p>8</p>	<p>Tool Control process and Ground Support Equipment (GSE) Control was not followed as per EPMPGU Chapter 2-01, EPMPGU Chapter 2-03 & EPMPGU Chapter 2-04.</p> <p>Identification of suitable Tools Store station & GSE station together with the relevant Master List was not available during the audit.</p> <p>(NCR 05)</p>	<p>All common tools is marked and listed in form RMPAWED/ AMO/ TEMPL-302 TOOLS (Master List).</p> <p>Tools is arrange in tools cabinet and locked. Key is kept by Sjn Bangsa Phillip as tools inventory holder.</p> <p>All GSE is listed in form RMPAWED/ AMO/ TEMPL-302GSE (Refer Appendix 9 for Master List).</p> <p>All GSE is located at dedicated space (refer picture Appendix 9A)</p>	<p>Refer Appendix 8 (Tools Masterlist)</p> <p>Refer Appendix 8A (Tools Cabinet)</p> <p>Refer Appendix 9</p> <p>Refer Appendix 9A</p>
<p>9</p>	<p>Temperature & Humidity control process was not implemented as per EPMPGU. Hygro Thermometer were found not working during the audit, hence the control of temperature & humidity was not available.</p> <p>(NCR 06)</p>	<p>Temperature & humidity monitoring have been implemented with the serviceable calibrated hygrometer. Refer Appendix 10 for reading of June 2023.</p> <p>Refer Appendix 10A for picture of and location of hygrometer.</p>	<p>Refer Appendix 10</p> <p>Refer Appendix 10A</p>
<p>10</p>	<p>MAINTENANCE RECORD & DATA</p> <p>EPMPGU Chapter 4-03 highlighted the procedure on the Daily Maintenance Book requirement - During the audit, it was observed that the Daily Maintenance Book was not available.</p> <p>(NCR 07)</p>	<p>Daily maintenance book is created and updated on day to day basis since 14 JUNE 2023.</p> <p>Refer Appendix 11</p>	<p>Refer Appendix 11</p>
<p>11</p>	<p>EPMPGU was suggested to be updated on the softcopy maintenance record retention.</p> <p>(Observation 4)</p>	<p>A dedicated folder is created in Google Drive, managed by PPC Kuching and accessible by PPC Subang (read only) (Refer Appendix 12 for screenshot of the Google Drive)</p> <p>EPMPGU will be amended to reflect the practised procedures.</p>	<p>Refer Appendix 12</p>

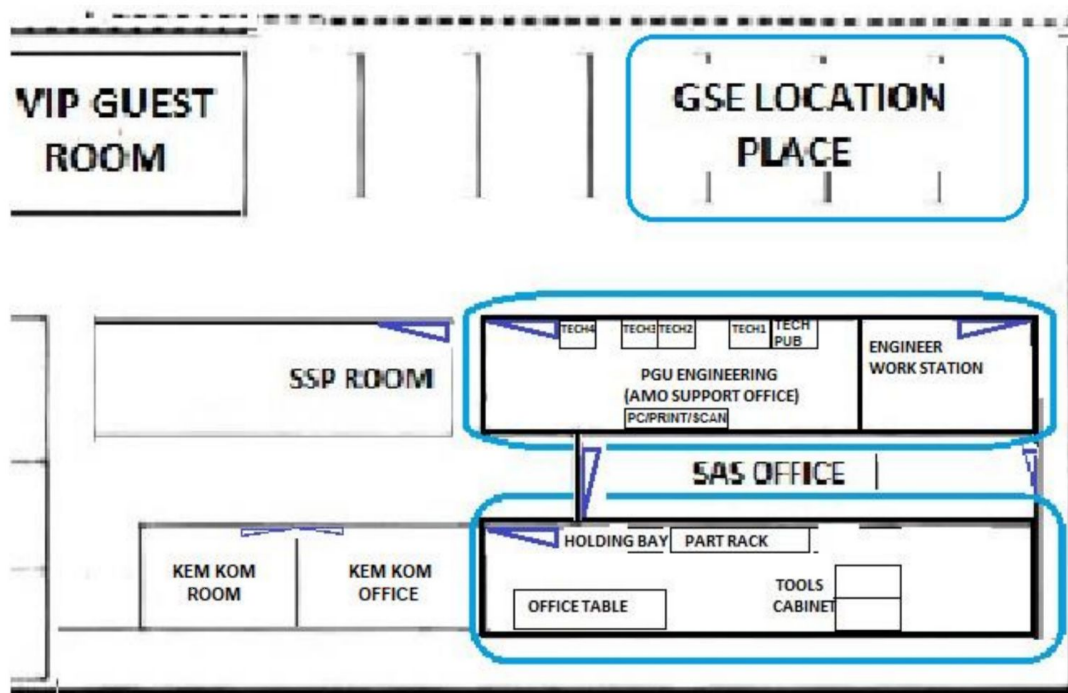
Appendix 1: Details Layout Of Maintenance Hangar



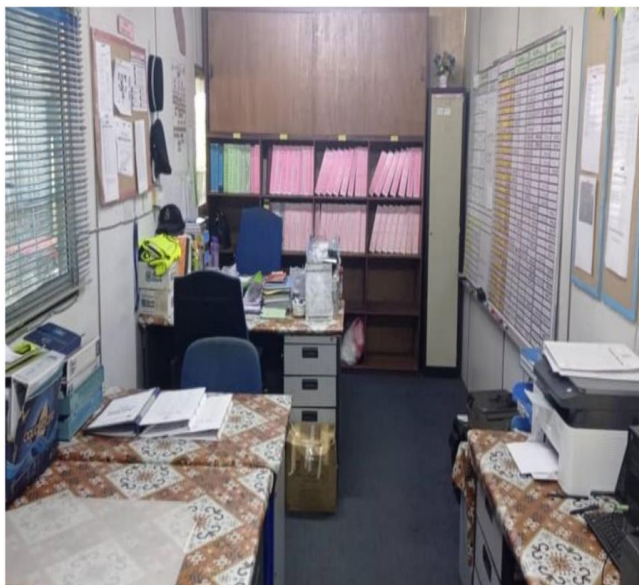
Detail Zoom For Mintenance Fleet Pgu Layout (In Aeroplane Circle Area)



Appendix 2 : Details Layout Of Office



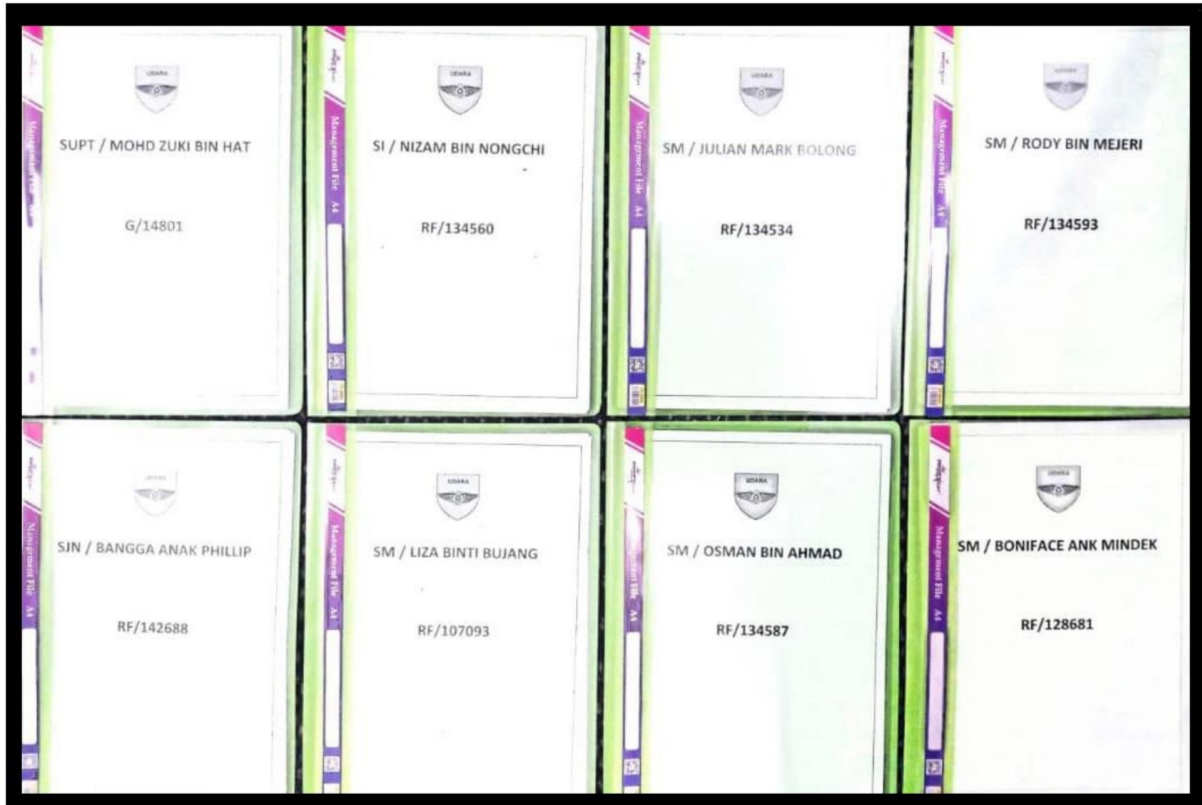
Appendix 3 : Housekeeping Photos Inside Maintenance Office



Appendix 4 : Housekeeping Photos At Surrounding Area



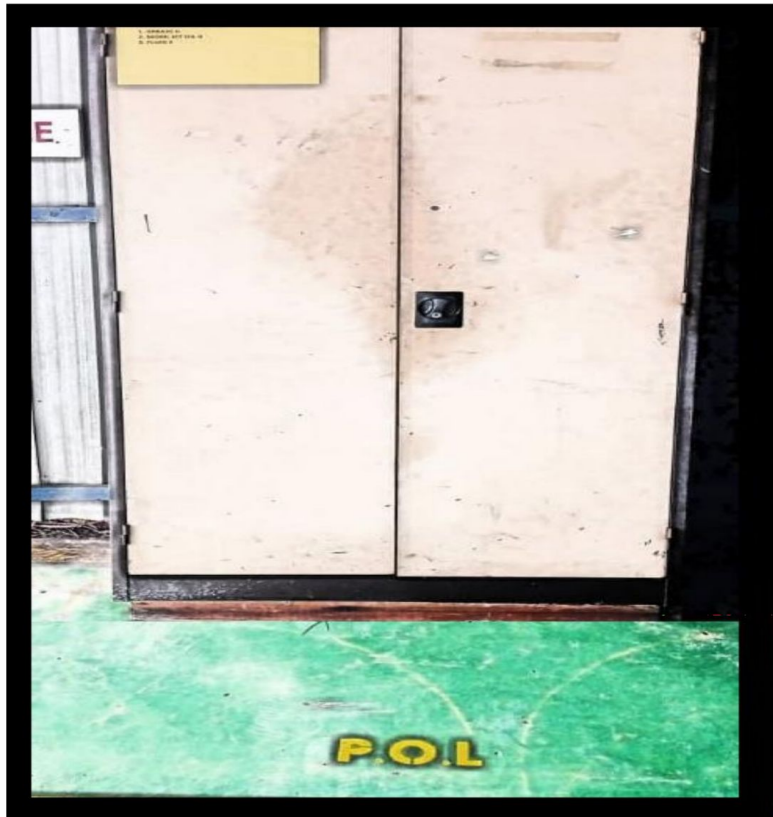
Appendix 5 :Personnel Files Photos



Appendix 6 :Proof Attendance

GalaxyAerospace		MEETING/TRAINING ATTENDANCE			
COURSE TITLE:	ERUPGU TRAINING COURSE			COURSE CODE:	
VENUE:	PKU SARAWAK	DURATION:	9am - 5pm	DATE:	23 JUNE 23
INSTRUCTOR'S NAME:	DSP MOHD AJIMAH BIN KASSIBULLAH			INSTRUCTOR'S SIGNATURE:	<i>[Signature]</i>
NO	NAME	STAFF ID/IC NO	DEPT	POSITION	SIGNATURE
1.	MOHD AJIMAH KASSIBULLAH	916619	PKU	CPE	<i>[Signature]</i>
2.	MOHD ZUKI BIN HAT	G14801	PKU	CPE/MS	<i>[Signature]</i>
	Bangga Phillip	81001-B-587	PKU	Maintenance	<i>[Signature]</i>
4.	Julian Mark Bolong	78041612581	PKU	airline	<i>[Signature]</i>
5.	Liza Binti Bujang Ahmad	78054136192	PKU	Quality	<i>[Signature]</i>
6.	Nizam Bin Nongchi	780618-12-585	PKU	Maintenance	<i>[Signature]</i>
7.	Boniface Mindek	73080413549	PKU	Maintenance	<i>[Signature]</i>
8.	Osman Bin Ahmad	73025133771	PKU	Mechanic	<i>[Signature]</i>
9.	Rody Bin Mejeri	77011135065	PKU	Maintenance	<i>[Signature]</i>
10.					
11.					
12.					
13.					
14.					
15.					
FOR QA DEPARTMENT USE:					
Training record updated by:					
Date:					
Page ___ of ___					
GAM/Q-022 Rev 3 (02/22)					

Appendix 7 : P.O.L Cabinet & P.O.L Masterlist



POL Masterlist

RMPAWED-AMO-SSL/205A										
 ROYAL MALAYSIAN POLICE AIRWING (RMPAW) SENARAI STOK & LOKASI SHELF LIFE ITEM										
NO	ITEM	PART NUMBER	SERIAL NO.	VOKEB	QTY	LOCATION	ARC	CURE DATE	EXP DATE	REMARKS
1	MORIL JET OL2	N/A	N/A	N/A	12	PGRU SWK	N/A	8/3/21	18/11/2031	N/A
2	GREASE 6	N/A	N/A	N/A	02	PGRU SWK	N/A	25/3/21	24/3/26	N/A
3	FLUID 3	N/A	N/A	N/A	01	PGRU SWK	N/A	19/2/20	14/2/24	N/A
4										
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15										
16										
17										

Appendix 8 : Tools Masterlist

ROYAL MALAYSIA POLICE AIR WING (RMPAW)				Master List		Prepared by: S/JN BANGGA					
<input type="checkbox"/> TOOLS		<input type="checkbox"/> GSE		<input type="checkbox"/> CALIBRATED TOOLS		<input type="checkbox"/> SPECIAL TOOLS		<input type="checkbox"/> AERONAUTIC			
Tools Information					Inspection Date and Status, Serviceable Y =						
ID	Description	Model	Part Number	Serial Number	Carried out (Date)	Interval (Month)	Serviceable Status (Year)	Next Due (Date)	Remaining (Day)	Remarks	
DRAWER A											
1	PLIERS DIAGONAL CUTTING W/GRIP	PROTO		209G						1 EACH	
8	SOCKET 3/4" DR 31 MM	PROTO		5531M						1 SET	
9	SOCKET 3/4" DR 32 MM	PROTO		5532M							
10	SOCKET 3/4" DR 35 MM	PROTO		5535M							
11	SOCKET 3/4" DR 36 MM	PROTO		5536M							
12	SOCKET 3/4" DR 38 MM	PROTO		5538M							
13	SOCKET 3/4" DR 41 MM	PROTO		5541M							
14	SOCKET 3/4" DR 42 MM	PROTO		5542M							
15	SOCKET 3/4" DR 46 MM	PROTO		5546M							
16	RATCHET 3/4" DRIVE 20"	PROTO		5649							
17	EXTENSION 3/4" DR 8"	PROTO		5661							
18	EXTENSION 3/4" DR 16"	PROTO		5663							
19	HINGE HANDLE 3/4" DR 20"	PROTO		566							
NAME		S/JN BANGGA			NAME		SUPT ZUKI				
DATE		13 Jun 23			DATE		13-Jun-23				
SIGNATURE		<i>[Signature]</i>			SIGNATURE		<i>[Signature]</i>				

Appendix 8A : Tools Cabinet



Appendix 9 : GSE Masterlist

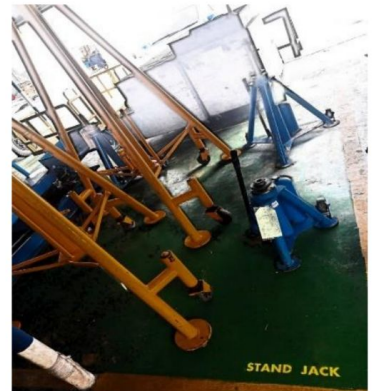
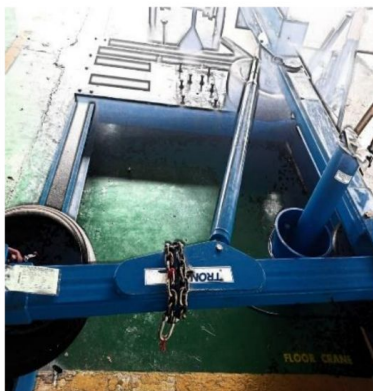
ROYAL MALAYSIA POLICE AIR WING (RMPAW)		Master List			Prepared by:	SM JULIAN
		Issue No.:	ISSUE 01		Approved by:	SUPT. ZUKI
		Date:	16/6/2023			
<input type="checkbox"/> TOOLS	<input checked="" type="checkbox"/> GSE	<input type="checkbox"/> CALIBRATED TOOLS		<input type="checkbox"/> SPECIAL TOOLS		<input type="checkbox"/> AVIONIC EQUIPMENT

ID	Calibration Tools Information				Inspection Date and Status, Serviceable Y = Yes, N = No.					
	Description	Model	Part Number	Serial Number	Carried out (Date)	Interval (Month)	Serviceable Status (Yes/No)	Next Due. (Date)	Remaining (Day)	Remark
1	AIRCRAFT TRIPOD WING JACK	FORDHAM	1003-78-44	03-03-10654-5			YES			
2	AIRCRAFT TRIPOD WING JACK	FORDHAM	1003-78-44	03-03-10654-3			YES			
3	HYDRAULIC AIRCRAFT JACK PC6	TRONAIR	02-0520-0100	9009-20325			YES			
4	HYDRAULIC AIRCRAFT JACK C208	TRONAIR	02-0532-0100	1427299510			YES			
5	HYDRAULIC AIRCRAFT JACK C208	TRONAIR	02-7856-0100	1972050801			YES			
6	TOW BAR	KING AIR	01-1109-0010	8623090101			YES			
7	TOW BAR	PC -6	N/A	N/A			YES			
8	TOW BAR	C208	N/A	N/A			YES			
9	ENGINE COMPRESSOR WASHERS	TRONAIR	084048-1012	6599061101			YES			
10	AIR COMPRESSOR	APOLLO 100- 2HP	MLN9901533	N/A			YES			
11	FLOOR CRANE (5 TON)	TRONAIR	04-6150-0120	1722090203			YES			
12	FORK LIFT (WKW 1241)	TCM	V3300-251394	F96-00397			YES			
13	TOW TRUCK (BGV 5354)	NISSAN	TD27-708885	FV02-0000452			YES			
14	TRESTLE STEP BESAR	TEMPATAN	N/A	N/A			YES			
15	TRESTLE STEP KECIL	TEMPATAN	N/A	N/A			YES			
16	WOOD TRESTLE 3x3x6x4	TEMPATAN	N/A	N/A			YES			
17	CARGO TROLLEY 2 TON	TEMPATAN	N/A	N/A			YES			

NAME	SM JULIAN
DATE	16-Jun-23
SIGNATURE	

NAME	SUPT ZUKI
DATE	16-Jun-23
SIGNATURE	

Appendix 9A : GSE Dedicated Space Photos



Appendix 10 : Temperature reading of June 2023

ROYAL MALAYSIA POLICE AIR WING (RMPAW)		MONTH/YEAR : JUNE / 2023		LOCATION : PGR BUKU				
TEMPERATURE AND HUMIDITY RECORD								
DAY	TIME	A.M			P.M			
		TEMP. (°C)	HUMIDITY (%)	SIGNATURE	TIME	TEMP. (°C)	HUMIDITY (%)	SIGNATURE
1	0830	19	54	[Signature]	1630	19	54	[Signature]
2	0830	19	53	[Signature]	1630	19	54	[Signature]
3	0830	19	53	[Signature]	1630	19	54	[Signature]
4	0830	19	53	[Signature]	1630	19	54	[Signature]
5	0830	19	53	[Signature]	1630	19	54	[Signature]
6	0830	20	53	[Signature]	1630	19	54	[Signature]
7	0830	20	53	[Signature]	1630	20	54	[Signature]
8	0830	20	53	[Signature]	1630	19	54	[Signature]
9	0830	19	53	[Signature]	1630	19	54	[Signature]
10	0830	19	53	[Signature]	1630	19	54	[Signature]
11	0830	19	53	[Signature]	1630	19	54	[Signature]
12	0830	19	53	[Signature]	1630	19	54	[Signature]
13	0830	20	53	[Signature]	1630	20	54	[Signature]
14	0830	20	53	[Signature]	1630	20	54	[Signature]
15	0830	20	53	[Signature]	1630	20	54	[Signature]
16	0830	19	53	[Signature]	1630	20	54	[Signature]
17	0830	19	53	[Signature]	1630	20	54	[Signature]
18	0830	19	53	[Signature]	1630	19	54	[Signature]
19	0830	19	53	[Signature]	1630	19	54	[Signature]
20	0830	19	53	[Signature]	1630	19	54	[Signature]
21	0830	19	53	[Signature]	1630	19	54	[Signature]
22	0830	20	53	[Signature]	1630	19	54	[Signature]
23	0830	20	53	[Signature]	1630	20	54	[Signature]
24	0830	20	53	[Signature]	1630	20	54	[Signature]
25								
26								
27								
28								
29								
30								
31								

Time for recording the Humidity and Temperature:
 1. First Recording (a.m) : 0830 – 1000
 2. Second Recording (p.m) : 1530 – 1630

STORAGE CONTROL STANDARD PARAMETER
 ◀ TEMPERATURE TO BE SET BELOW 24°C AND RELATIVE HUMIDITY TO BE MAINTAINED NOT EXCEED 75%. ANY HUMIDITY INCREASED ABOVE 76% SHOULD BE MONITORED CLOSELY.

RMPAWED/ANO/THR-404

Appendix 10A : Temperature Hygrometer Place Photo



Appendix 11 : Daily Maintenance Scanned

ROYAL MALAYSIA POLICE AIR WING (RMPAW)		
DAILY MAINTENANCE BOOK		
Location: <u>ADPEN</u>	Date: <u>20/06/2023</u>	Shift: <u>MORNING (NORMAL)</u>
AIRCRAFT REGISTRATION	WORK/DESCRIPTION	REMARKS
9M-PSB	CLEAN THE INTERIOR OF THE AIRCRAFT	
FOO WALK BEGINNING OF SHIFT		SIGNATURE:
FOO WALK END OF SHIFT		SIGNATURE:
TOOLS CHECK CARRIED OUT		SIGNATURE:
PREPARED BY	SIGNATURE	TIME
S/M OSMAN	<i>[Signature]</i>	0800 - 1700 HRS
ACKNOWLEDGED BY	SIGNATURE	TIME
SI NIZAM	<i>[Signature]</i>	0800 - 1700 HRS

RMPAW/TC/AMC/MDB-412 (v.1 Rev 0)

ROYAL MALAYSIA POLICE AIR WING (RMPAW)		
DAILY MAINTENANCE BOOK		
Location: <u>ADPEN</u>	Date: <u>22/06/2023</u>	Shift: <u>MORNING (NORMAL)</u>
AIRCRAFT REGISTRATION	WORK/DESCRIPTION	REMARKS
9M-PSB	- CLEAN THE INTERIOR OF THE AIRCRAFT	
FOO WALK BEGINNING OF SHIFT		SIGNATURE:
FOO WALK END OF SHIFT		SIGNATURE:
TOOLS CHECK CARRIED OUT		SIGNATURE:
PREPARED BY	SIGNATURE	TIME
S/M OSMAN	<i>[Signature]</i>	0800 - 1700 HRS
ACKNOWLEDGED BY	SIGNATURE	TIME
SI NIZAM	<i>[Signature]</i>	0800 - 1700 HRS

RMPAW/TC/AMC/MDB-412 (v.1 Rev 0)

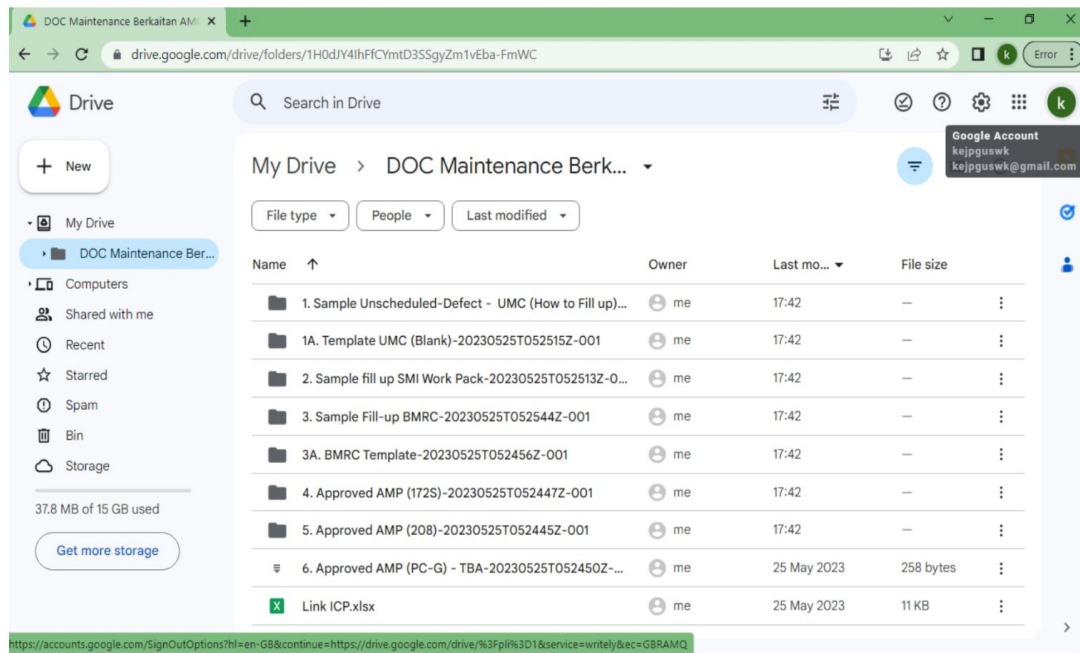
ROYAL MALAYSIA POLICE AIR WING (RMPAW)		
DAILY MAINTENANCE BOOK		
Location: <u>ADPEN</u>	Date: <u>20/06/2023</u>	Shift: <u>MORNING (NORMAL)</u>
AIRCRAFT REGISTRATION	WORK/DESCRIPTION	REMARKS
9M-PSB	- CHECK AIRCRAFT TIRE PRESSURE	
FOO WALK BEGINNING OF SHIFT		SIGNATURE:
FOO WALK END OF SHIFT		SIGNATURE:
TOOLS CHECK CARRIED OUT		SIGNATURE:
PREPARED BY	SIGNATURE	TIME
S/M OSMAN	<i>[Signature]</i>	0800 - 1700 HRS
ACKNOWLEDGED BY	SIGNATURE	TIME
SI NIZAM	<i>[Signature]</i>	0800 - 1700 HRS

RMPAW/TC/AMC/MDB-412 (v.1 Rev 0)

ROYAL MALAYSIA POLICE AIR WING (RMPAW)		
DAILY MAINTENANCE BOOK		
Location: <u>ADPEN</u>	Date: <u>21/6/2023</u>	Shift: <u>MORNING (NORMAL)</u>
AIRCRAFT REGISTRATION	WORK/DESCRIPTION	REMARKS
9M-PSB	- CHECK THE TIE DOWN OF THE AIRCRAFT.	
FOO WALK BEGINNING OF SHIFT		SIGNATURE:
FOO WALK END OF SHIFT		SIGNATURE:
TOOLS CHECK CARRIED OUT		SIGNATURE:
PREPARED BY	SIGNATURE	TIME
S/M OSMAN	<i>[Signature]</i>	0800 - 1700 HRS
ACKNOWLEDGED BY	SIGNATURE	TIME
SI NIZAM	<i>[Signature]</i>	0800 - 1700 HRS

RMPAW/TC/AMC/MDB-412 (v.1 Rev 0)

Appendix 12 :Screenshot Google Drive Maintenance Record



Prepared by:

Supt. Mohd Zuki Bin Hat
Ketua Jurutera PGU PDRM
Pangkalan Sarawak