

Pharmacy Information System (PhIS) and Clinic Pharmacy System (CPS)

Hospital Sungai Buloh

**JKN SELANGOR
(ZONE 10)**

1ST Preventive Maintenance Report

P.M. Date	23 JAN 2018
Report ID	PM/REPORT/Z10/HOSPSUNGAIBULOH
Report Version	V1.0



PhIS & CPS PROJECT



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**Revision History:**

Ver. No	Date of Release	Consolidated by	List of Changes from Previous Version	Signature & Date
1.0	23/01/2018	Muhamad Anas Bin Ramlan	Initial document	 MUHAMMAD ANAS BIN RAMLAN Field Technical Engineer Pharmaniaga Logistics Sdn. Bhd. 23/1/18

Verified and Acknowledged by facility:

Received / Acknowledged by facility	
Name	
Signature / Company Stamp	SITI SUHAILA BINTI MOHAMED (3612) Pegawai Farmasi Jabatan Farmasi Hospital Sungai Buloh
Designation / Department	
Date	23/1/18



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Appendix A

Certificate of Acceptance

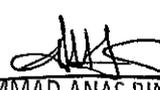
EXECUTION OF PREVENTIVE MAINTENANCE

Project: PhIS & CPS
1st Preventive Maintenance (2018)
For
Hospital Sungai Buloh

Summary findings for Preventive Maintenance conducted on 23/01/2018:

No	Item	Allocated Quantity	Serviced Quantity	Remarks
1	Desktop	1	1	
2	LaserJet Printer	1	1	
3	Server	2	2	
4	UPS	1	1	
5	Storage	1	1	

Signature & Stamp:

<p><u>For PLSB</u></p> <div style="text-align: center;">  MUHAMMAD ANAS BIN RAMLAN Field Technical Engineer Pharmaniaga Logistics Sdn. Bhd. Date: 23/1/18 </div>	<p><u>For Facility</u></p> <div style="text-align: center;">  SITI SUHAILA BINTI MOHAMED (3612) Pegawai Farmasi Jabatan Farmasi Hospital Sungai Buloh Name: Designation: Date: 23/1/18 </div>
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Appendix B

Preventive Maintenance Checklist

**PREVENTIVE MAINTENANCE CHECKLIST
(SERVER / UPS / STORAGE)**

FACILITY : HOSPITAL SUNGAI BULOH
STATE : SELANGOR

DEPT : IT
ZONE : 10

LOCATION : SERVER ROOM

SERVER 1	SERVER 2	UPS
PAT ID : PHIS/SEL-08/HSP-02/SVR-001	PAT ID : PHIS/SEL-08/HSP-02/SVR-002	PAT ID : PHIS/SEL-08/HSP-02/UPS-001
SERIAL NO : D6GHEDX	SERIAL NO : 06GHEPM	SERIAL NO : 1519403091AF453
MODEL : LENOVO X3650 M5	MODEL : LENOVO X3650 M5	MODEL : LIEBERT GXT3-1000RT30

(If Alert is tick (x), fill in & elaborate details in FINDINGS / COMMENTS / DETECTION session.)

PART I - HARDWARE , CABLING & CONNECTIVITY INSPECTION & PHYSICAL CHECK

Standard Task:

Cleaning

Verify Condition :

- Connection via LAN / USB
- Fan/ Power Supply
- Light Path Diagnosis panel
- UTP Cable connect to switch
- HA Gateway to Core Switch

(For Hospital only)

SERVER 1		SERVER 2	
Function	Not Function & Resolved	Function	Not Function & Resolved
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

SERVER 2		UPS	
Function	Not Function & Resolved	Function	Not Function & Resolved
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Available	Type	Qty	Faulty
5			

PART II - SETUP & HEALTH CHECK

Function	Not Function & Resolved	Alert	Ticket No
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Run DSA & collect DSA Log
SERVER 1
SERVER 2

SERVER 1		SERVER 2	
Current	Updated	Current	Updated
0.98.3		0.98.3	
2.2.6		2.2.6	
5.2.12		5.2.12	
3.1.2.2		3.1.2.2	
1-11		1-11	
1-75		1-75	

Software/Firmware Version :

- ClamAV
- Zabbix
- Bacula
- Glassfish
- UEFI
- IMM2

System Software
SUSE LINUX (OS)

Kernel
GCC

Housekeeping:
Clear /tmp folder > 2 weeks
Archive Log Files

SERVER 1		SERVER 2	
Current	Updated	Current	Updated
SUSE 11		SUSE 11	
3-0.76-0.11		3-0.76-0.11	
4.3.4		4.3.4	

SERVER 1		SERVER 2	
Current	Updated	Current	Updated
SUSE 11		SUSE 11	
3-0.76-0.11		3-0.76-0.11	
4.3.4		4.3.4	

N/A

**PREVENTIVE MAINTENANCE CHECKLIST
(SERVER / UPS / STORAGE)**

(FORM 2)

PAT ID : PH15/SEL-08/HSP-02/STR-001
 SERIAL NO: 7889520
 TYPE : IBM 157700

N/A

Function	Not Function & Resolved		Not Function & Unresolved	
	Alert	Ticket No	Alert	Ticket No
<input checked="" type="checkbox"/> Storage Manager Error Alerts	<input type="checkbox"/>		<input type="checkbox"/>	
<input checked="" type="checkbox"/> Storage events logs	<input type="checkbox"/>		<input type="checkbox"/>	
<input checked="" type="checkbox"/> HDD Indicator lights	<input type="checkbox"/>		<input type="checkbox"/>	
<input checked="" type="checkbox"/> Enable read/write cache	<input type="checkbox"/>		<input type="checkbox"/>	
<input checked="" type="checkbox"/> Enable Media Scan both at controller level and LUN level	<input type="checkbox"/>		<input type="checkbox"/>	

Software/Firmware Version :

Current	Updated
27.01.6	
00WLD67	
5.2.G12	

Controller
ESM
Driver

PART IV - FINDINGS / ALERTS / DETECTION

PART V - ACKNOWLEDGEMENT

CUSTOMER

Signature & Stamp
 Customer Name : MUHAMMAD FAZAL BIN AB KADIR
 Date : 23/1/18
 Penolong Pegawai Teknologi Maklumat
 Bahagian Teknologi Maklumat
 Hospital Sungai Buloh

PHARMANIAGA LOGISTICS SDN BHD (PLSB)

Signature & Stamp
 Engineer Name : MUHAMMAD ANAS BIN RAMLAN
 Date : 23/1/18
 Field Technical Engineer
 Pharmaniaga Logistics Sdn. Bhd.

FURTHER ACTION / RECOMMENDATION

**PREVENTIVE MAINTENANCE CHECKLIST
(DEVICE)**

FACILITY : **HOSPITAL SUNGAI BULOH** DEPT : **OUTPATIENT PHARMACY** LOCATION : **STATE : SELANGOR** ZONE : **10**

PAT ID : **PHIS/SEL-08/HSP-02/PCD-001** DEPT : **OUTPATIENT PHARMACY** LOCATION : **STATE : SELANGOR** ZONE : **10**

S/N CPU : **PC04MXB1** MONITOR : **V9C17ZBH** KEYBOARD : **01281515** MOUSE : **H5509HAD/4R**

PART I - STANDARD TASK		PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP	
Function	Not Function & Resolved	Alert	Ticket No	Function	Not Function & Resolved
Verify Condition : Connection via LAN / USB	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Function	Not Function & Resolved
Fan/ Power Supply/ Charger	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Auto update disabled:	Current Version
Hard Disk Utilization (GB) :	Free	Alert	Ticket No	(a) Java (JKD 6 update 30)	<input type="checkbox"/>
1st Partition	104	<input type="checkbox"/>		(b) Internet Explorer 9 (64bits)	<input type="checkbox"/>
2nd Partition	75-C	<input type="checkbox"/>		ClamAv - Ver 0.99.1	<input type="checkbox"/>
				Microsoft Office	<input type="checkbox"/>
				BCP (BCP PC only)	<input type="checkbox"/>
				Backup PC (Bacula Web)	<input type="checkbox"/>

PAT ID : **PHIS/SEL-08/HSP-02/LIP-001** DEPT : **OUTPATIENT PHARMACY** LOCATION : **STATE : SELANGOR** ZONE : **10**

S/N LIP : **451457LM2GMCO** MONITOR : **MOUSE** KEYBOARD : **01281515** MOUSE : **H5509HAD/4R**

PART I - STANDARD TASK		PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP	
Function	Not Function & Resolved	Alert	Ticket No	Function	Not Function & Resolved
Verify Condition : Connection via LAN / USB	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Function	Not Function & Resolved
Fan/ Power Supply/ Charger	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Auto update disabled:	Current Version
Hard Disk Utilization (GB) :	Free	Alert	Ticket No	(a) Java (JKD 6 update 30)	<input type="checkbox"/>
1st Partition		<input type="checkbox"/>		(b) Internet Explorer 9 (64bits)	<input type="checkbox"/>
2nd Partition		<input type="checkbox"/>		ClamAv - Ver 0.99.1	<input type="checkbox"/>
				Microsoft Office	<input type="checkbox"/>
				BCP (BCP PC only)	<input type="checkbox"/>
				Backup PC (Bacula Web)	<input type="checkbox"/>

PART IV - FINDINGS / ALERTS / DETECTION

PART V - ACKNOWLEDGEMENT

Signature & Stamp Customer Name Date	Signature & Stamp Engineer Name Date
SITI SUHALA BINTI MOHAMED (3612) Pegawai Farmasi Jabatan Farmasi Hospital Sungai Buloh	MUHAMMAD AWAS BIN RAMLAN Field Technical Engineer Pharmaniaga Logistics Sdn. Bhd. 23/1/18

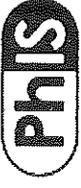


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Appendix C

Hardware Inventory List



Hardware Inventory List

List of equipment available in the facility as per below table:

1. PCD

No	CPU	MONITOR	KEYBOARD	MOUSE	ASSET TAGGING	DEPARTMENT	LOCATION
1	PC04MxB1	V901TZBH	01281515	HS509HA0J4R	PhIS/SEL-08/HSP-02/PCD-001	MAIN STORE	Procurement

2. LASERJET PRINTER

No.	LASERJET	ASSET TAGGING	DEPARTMENT	LOCATION
1	451457LM2GMCD	PhIS/SEL-08/HSP-02/LJP-001	MAIN STORE	Procurement

3. SERVER

No.	SERVER S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	06GHEDX	PhIS/SEL-08/HSP-02/SVR-001	IT DEPARTMENT	Sever Room
2	06GHEFM	PhIS/SEL-08/HSP-02/SVR-002	IT DEPARTMENT	Sever Room

4. UPS

No.	UPS S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	1519403091AF453	PhIS/SEL-08/HSP-02/UPS-001	IT DEPARTMENT	Sever Room

5. STORAGE

No.	SERVER S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	7889520	PhIS/SEL-08/HSP-02/STR-001	IT DEPARTMENT	Sever Room