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

Klinik Kesihatan Sungai Buloh

JKN SELANGOR
(ZONE 10)

1ST Preventive Maintenance Report

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

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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	Yusmawati Md Yusof Pegawai Farmasi Klinik Kesihatan Sungai Buloh
Designation / Department	
Date	23/01/18

Appendix A

Certificate of Acceptance

PhIS

pharmaniaga

EXECUTION OF PREVENTIVE MAINTENANCE

Project: PhIS & CPS

1st Preventive Maintenance (2018)
For
Klinik Kesihatan 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	Switch	1	1	
4	Server	1	1	
5	UPS	1	1	

Signature & Stamp:

For PLSB	For Facility
Name: MUHAMMAD ANAS BIN RAMLAN	Name: Yusmawati Md Yusof
Designation: Field Technical Engineer, Pharmaniaga Logistics Sdn. Bhd.	Designation: Pegawai Farmasi, Klinik Kesihatan Sungai Buloh
Date: 23/1/18	Date: 23/01/18.

Appendix B

Preventive Maintenance Checklist

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

(FORM 2)

FACILITY : KLINIK KESIHATAN SUNGAI BULOH

DEPT : IT

LOCATION : BILIK SEMINAR

STATE : SELANGOR

ZONE : 10

SERVER 1		SERVER 2		UPS	
PAT ID :	CPS/SEL-08/KKS-01/SVR-001	PAT ID :		PAT ID :	CPS/SEL-08/KKS-01/UPS-001
SERIAL NO :	06GHCNM	SERIAL NO :		SERIAL NO :	1520603199AF413
MODEL :	IBM X3500 M5	MODEL :		MODEL :	LIEBERT GXT3-1000RT230

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

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

Standard Task:

Cleaning ☑

Verify Condition :

	SERVER 1 Function	SERVER 1 Not Function & Resolved	SERVER 1 Not Function & Unresolved: Alert	SERVER 1 Not Function & Unresolved: Ticket No	SERVER 2 Function	SERVER 2 Not Function & Resolved	SERVER 2 Not Function & Unresolved: Alert	SERVER 2 Not Function & Unresolved: Ticket No
Connection via LAN / USB	☑	☐	☐		☐	☐	☐	
Fan/ Power Supply	☑	☐	☐		☐	☐	☐	
Light Path Diagnosis panel	☑	☐	☐		☐	☐	☐	
UTP Cable connect to switch	☑	☐	☐		☐	☐	☐	
HA Gateway to Core Swtich *(For Hospital only)*	☐	☐	☐		☐	☐	☐	

	UPS Function	UPS Not Function & Resolved	UPS Not Function & Unresolved: Alert	UPS Not Function & Unresolved: Ticket No
By pass Test	☑	☐	☐	
Webcard	☑	☐	☐	
Multilink	☑	☐	☐	

Backup Tape	Available	Type	Faulty
Qty			

PART II - SETUP & HEALTH CHECK

N/A ☐

	Function	Not Function & Resolved	Not Function & Unresolved: Alert	Not Function & Unresolved: Ticket No
Run DSA & collect DSA Log				
SERVER 1	☑	☐	☐	
SERVER 2	☐	☐	☐	

Software/Firmware Version :

	SERVER 1 Current	SERVER 1 Updated	SERVER 2 Current	SERVER 2 Updated
ClamAV	0.98.3			
Zabbix	2.2.6			
Bacula	5.2.12			
Glassfish	3.1.2.2			
UEFI	1.11			
IMM2	1.75			

System Software

	SERVER 1 Current	SERVER 1 Updated	SERVER 2 Current	SERVER 2 Updated
SUSE LINUX (OS)	SUSE 11			
Kernel	3-0.76-0.11			
GCC	4.3.4			

Housekeeping:

	SERVER 1	SERVER 2
Clear /tmp folder > 2 weeks ☐	~~Screenshot~~ / *attachment*	*Screenshot / attachment*
Archive Log Files ☐		

PREVENTIVE MAINTENANCE CHECKLIST

(~~SERVER / UPS / STORAGE~~)

(FORM 2)

PAT ID :

SERIAL NO:

TYPE : STORAGE

PART III - STORAGE

N/A ☐

Perform Health Check:	Function	Not Function & Resolved	Not Function & Unresolved	
			Alert	Ticket No
Storage Manager Error Alerts	☐	☐	☐	
Storage events logs	☐	☐	☐	
HDD indicator lights	☐	☐	☐	
Enable read/write cache	☐	☐	☐	
Enable Media Scan both at controller level and LUN level	☐	☐	☐	

Software/Firmware Version :	Current	Updated
Controller		
ESM		
Driver		

PART IV - FINDINGS / ALERTS / DETECTION

FURTHER ACTION / RECOMMENDATION

PART V - ACKNOWLEDGEMENT

CUSTOMER

Signature & Stamp

Customer Name

Date

KLINIK KESIHATAN SUNGAI BULOH
Jalan Kampung Melayu
47810 Sungai Buloh
Selangor Darul Ehsan
Tel: 03-6156 1223
Fax: 03-6157 0225

23/1/2018

PHARMANIAGA LOGISTICS SDN BHD (PLSB)

Signature & Stamp

Engineer Name

Date

MUHAMMAD ANAS BIN RAMLAN
Field Technical Engineer
Pharmaniaga Logistics Sdn. Bhd.

23/1/18

PREVENTIVE MAINTENANCE CHECKLIST
(CORE SWTICH / DISTRIBUTION SWITCH)

(FORM 3)

FACILITY : KLINIK KESIHATAN SUNGAI BULOH DEPT : IT LOCATION : STATE : SELANGOR ZONE : 10

PAT ID : CPS/SEL-08/KKS-01/DSW-001 ~~CORE SWITCH~~ / DISTRIBUTION SWITCH Location : Bilik Pengimejan Diagnostik

SERIAL NO: DNI19240CPW Loaned ☐ Unlocated ☐ Relocated ☐

PART I - STANDARD TASK

Cleaning ☑

PART II - STANDARD HEALTH CHECK

Verify Condition :	Function	Not Function & Resolved	Not Function & Unresolved	
			Alert	Ticket No
Cable & Connection	☑	☐	☐	
Power Supply	☑	☐	☐	
Check LED Status				
System LED	☑	☐	☐	
Master LED	☐	☐	☐	
STACK ID	☐	☐	☐	

PART III - STANDARD SETUP

	Function	Not Function & Resolved	Not Function & Unresolved	
			Alert	Ticket No
SSH Access & Connection				
Execute Putty to start	☑	☐	☐	
Specify the IP to connect	☑	☐	☐	
Test Login	☑	☐	☐	
Test & Verify Management IP via console access	☐	☐	☐	

PAT ID : ~~CORE SWITCH / DISTRIBUTION SWITCH~~ Location :

SERIAL NO: Loaned ☐ Unlocated ☐ Relocated ☐

PART I - STANDARD TASK

Cleaning ☐

PART II - STANDARD HEALTH CHECK

Verify Condition :	Function	Not Function & Resolved	Not Function & Unresolved	
			Alert	Ticket No
Cable & Connection	☐	☐	☐	
Power Supply	☐	☐	☐	
Check LED Status				
System LED	☐	☐	☐	
Master LED	☐	☐	☐	
STACK ID	☐	☐	☐	

PART III - STANDARD SETUP

	Function	Not Function & Resolved	Not Function & Unresolved	
			Alert	Ticket No
SSH Access & Connection				
Execute Putty to start	☐	☐	☐	
Specify the IP to connect	☐	☐	☐	
Test Login	☐	☐	☐	
Test & Verify Management IP via console access	☐	☐	☐	

PART IV - FINDINGS / COMMENTS / DETECTION

FURTHER ACTION / RECOMMENDATION

PART V - ACKNOWLEDGEMENT

CUSTOMER

Signature & Stamp: KLINIK KESIHATAN SUNGAI BULOH, Jalan Kampung Melayu, 47000 Sungai Buloh, Selangor Darul Ehsan, Tel: 03-6140 6233, Fax: 03-6157 6775

Customer Name

Date: 23/1/2018

PHARMANIAGA LOGISTICS SDN BHD (PLSB)

Signature & Stamp

Engineer Name: MUHAMMAD ANAS BIN RAMLAN, Field Technical Engineer, Pharmaniaga Logistics Sdn. Bhd.

Date: 23/1/18

(FORM 1)

PREVENTIVE MAINTENANCE CHECKLIST
(DEVICE)

FACILITY : KLINIK KESIHATAN SUNGAI BULOH | DEPT : OUTPATIENT PHARMACY | LOCATION : | STATE : SELANGOR | ZONE : 10

PAT ID : CPS/SEL-08/KKS-01/PCD-001 | DESKTOP / ~~NOTEBOOK / LASERJET / THERMAL PRINTER~~ | Location : Procurement, Receiving, Distribution

S/N CPU : PC05FKZZ | MONITOR: V901ERYL | KEYBOARD : 0000901 | MOUSE: HS51SHA1P9T | Loaned: ☐ | Unlocated : ☐ | Relocated : ☐

PART I - STANDARD TASK

All Device:
Cleaning ☑

Desktop/Notebook: Yes No N/A
Device is harden ☑ ☐ ☐
MEMORY : 2 GB ☑
4 GB ☐

PART II - STANDARD HEALTH CHECK N/A ☐

Verify Condition :	Function	Not Function & Resolved	Not Function & Unresolved: Alert	Ticket No
Connection via LAN / USB	☑	☐	☐	
Fan/ Power Supply/ Charger	☑	☐	☐	
Hard Disk Utilization (GB) :	Used	Free	Alert	Ticket No
1st Partition	113	125	☐	
2nd Partition	75.6	126	☐	

PART III - STANDARD SETUP N/A ☐

Verification:	Function	Not Function & Resolved
IWP	☑	☐
KYM	☑	☐
PhIS Portal	☑	☐

Auto update disabled:	Function	Not Function & Resolved	Current Version	Updated Version
(a) Java (JKD 6 update 30)	☑	☐	☐	
(b) Internet Explorer 9 (64bits)	☑	☐	☐	
ClamAv - Ver 0.98.3	☑	☐	☐	
Microsoft Office	☑	☐	☐	
BCP (BCP PC only)	☑	☐	☐	
Backup PC (Bacula Web)	☐	☐	☐	

PAT ID : CPS/SEL-08/KKS-01/LJP-001 | ~~DESKTOP / NOTEBOOK~~ / LASERJET / ~~THERMAL PRINTER~~ | Location : Procurement, Receiving, Distribution

S/N CPU : 451457LM2GMCM | MONITOR: | KEYBOARD : | MOUSE: | Loaned: ☐ | Unlocated : ☐ | Relocated : ☐

PART I - STANDARD TASK

All Device:
Cleaning ☑

Desktop/Notebook: Yes No N/A
Device is harden ☐ ☐ ☐
MEMORY : 2 GB ☐
4 GB ☐

PART II - STANDARD HEALTH CHECK N/A ☐

Verify Condition :	Function	Not Function & Resolved	Not Function & Unresolved: Alert	Ticket No
Connection via LAN / USB	☑	☐	☐	
Fan/ Power Supply/ Charger	☑	☐	☐	
Hard Disk Utilization (GB) :	Used	Free	Alert	Ticket No
1st Partition			☐	
2nd Partition			☐	

PART III - STANDARD SETUP N/A ☑

Verification:	Function	Not Function & Resolved
IWP	☐	☐
KYM	☐	☐
PhIS Portal	☐	☐

Auto update disabled:	Function	Not Function & Resolved	Current Version	Updated Version
(a) Java (JKD 6 update 30)	☐	☐	☐	
(b) Internet Explorer 9 (64bits)	☐	☐	☐	
ClamAv - Ver 0.98.3	☐	☐	☐	
Microsoft Office	☐	☐	☐	
BCP (BCP PC only)	☐	☐	☐	
Backup PC (Bacula Web)	☐	☐	☐	

PART IV - FINDINGS / ALERTS / DETECTION

FURTHER ACTION / RECOMMENDATION

PART V - ACKNOWLEDGEMENT

CUSTOMER

Signature & Stamp
Customer Name: Yusmawati Md Yusof
Pegawai Farmasi
Klinik Kesihatan Sungai Buloh
Date: 23/01/18

PHARMANIAGA LOGISTICS SDN BHD (PLSB)

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

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	PC05FKZZ	V901ERYL	0000901	HS515HA1P9T	CPS/SEL-08/KKS-01/PCD-001	OUTPATIENT PHARMACY	Procurement, Receiving, Distribution

2. LASERJET PRINTER

No.	LASERJET	ASSET TAGGING	DEPARTMENT	LOCATION
1	451457LM2GMCM	CPS/SEL-08/KKS-01/LJP-001	OUTPATIENT PHARMACY	Procurement, Receiving, Distribution

3. SERVER

No.	SERVER S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	06GHCNM	CPS/SEL-08/KKS-01/SVR-001	IT DEPARTMENT	Bilik Seminar

4. UPS

No.	UPS S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	1520603199AF413	CPS/SEL-08/KKS-01/UPS-001	IT DEPARTMENT	Bilik Seminar

5. SWITCH

No.	Switch S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	DNI19240CPW	CPS/SEL-08/KKS-01/DSW-001	IT DEPARTMENT	Bilik Pengimejan Diagnostik