



PhIS & CPS PROJECT



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

Hospital Orang Asli Gombak

**JKN SELANGOR
(ZONE 10)**

1st Preventive Maintenance Report

P.M. Date	05 FEBRUARY 2018
Report ID	PM/REPORT/Z10/HOSPORGASLIGOMBAK
Report Version	V1.0



PhIS & CPS PROJECT



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PHIS & CPS PROJECT



Revision History:

Ver. No	Date of Release	Consolidated by	List of Changes from Previous Version	Signature & Date
1.0	05/02/2018	Muhammad Anuar bin Awaluddin	Initial document	 MUHAMMAD ANUAR B. AWALUDDIN PHIS & CPS Implementation Pharmeniaga Logistic Sdn. Bhd. 5/2/18

Verified and Acknowledged by facility:

Received / Acknowledged by facility	
Name	
Signature / Company Stamp	 JIVANTI MURUGAIYAN Pegawai Farmasi U48 Hospital Orang Asli Gombak Kementerian Kesihatan Malaysia
Designation / Department	
Date	5/2/2018

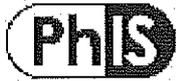


PhIS & CPS PROJECT



Appendix A

Certificate of Acceptance



EXECUTION OF PREVENTIVE MAINTENANCE

Project: PhIS & CPS

**1ST Preventive Maintenance (2018)
For
Hospital Orang Asli Gombak**

Summary findings for Preventive Maintenance conducted on 05/02/2018

No	Item	Allocated Quantity	Serviced Quantity	Remarks
1	Desktop	8	8	LOCATION: MAIN STORGE PCD-001 - Monitor is loan Unit
2	Notebook	2	2	
3	LaserJet Printer	2	2	
4	Thermal Printer	2	2	
5	Switch	1	1	
6	Server	2	2	
7	Storage	1	1	
8	UPS	1	1	

Signature & Stamp:

<p><u>For PLSB</u></p>  <p>MUHAMMAD ANUAR B. ANWAR UDDIN PhIS & CPS Implementer Pharmaniaga Logistic Sdn. Bhd.</p> <p>Name:</p> <p>Designation:</p> <p>Date: 5/2/18</p>	<p><u>For Facility</u></p>  <p>JIVANTI MURUGAIYAN Pegawai Farmasi U48 Hospital Orang Asli Gombak Kementerian Kesihatan Malaysia</p> <p>Name:</p> <p>Designation:</p> <p>Date: 5/2/2018</p>
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PhIS & CPS PROJECT



Appendix B

Preventive Maintenance Checklist

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

(FORM 2)

FACILITY : HOSPITAL ORANG ASLI GOMBAK
STATE : SELANGOR

DEPT : IT
LOCATION : SERVER ROOM

ZONE : 10

SERVER 1	SERVER 2	UPS
PAT ID : PHIS/SEL-08/HSP-03/SVR-001	PAT ID : PHIS/SEL-08/HSP-03/SVR-002	PAT ID : PHIS/SEL-08/HSP-03/UPS-001
SERIAL NO : 06GHEFA	SERIAL NO : 06GHEFA	SERIAL NO : 15199403094AF453
MODEL : IBM X3650 M4	MODEL : IBM X3650 M4	MODEL : Emerson GXT3-3000RT230

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)

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

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

By pass Test

Webcard

Multilink

Available	Type	Qty
<input type="checkbox"/>		

PART II - SETUP & HEALTH CHECK

Run DSA & collect DSA Log

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"/>	

N/A

Software/Firmware Version :

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
1-12	1-12
1-75	1-75

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

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

System Software

SUSE LINUX (OS)

Kernel

GCC

Housekeeping:

Clear /tmp folder > 2 weeks

Archive Log Files

SERVER 1	
Current	Updated
Screenshot / attachment	

SERVER 2	
Current	Updated
Screenshot / attachment	

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

(FORM 2)

PART ID : PHIS/SEL-08/HSP-03/S1R-001
 SERIAL NO: 7943142
 TYPE : IBM Storwize V53700

PART III - STORAGE N/A

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

Software/Firmware Version :	Current	Updated
Controller	27.016	
ESM	00WL067	
Driver	5.2.6LZ	

PART IV - FINDINGS / ALERTS / DETECTION **FURTHER ACTION / RECOMMENDATION**

PART V - ACKNOWLEDGEMENT

<p>CUSTOMER</p> <p>Signature & Stamp Customer Name Date</p> <p align="center">  NURUL ATIQAH BINTI LAB RAMAN Penolong Pegawai Teknologi Maklumat F 29 (Hospital Orang Asli Gombak Kementerian Kesihatan Malaysia) 5/2/18 </p>	<p>PHARMANIAGA LOGISTICS SDN BHD (PLSB)</p> <p>Signature & Stamp Engineer Name Date</p> <p align="center">  MUHAMMAD ANUAR B. AWILUDDIN PHIS & CPS Implementation Pharmedia Logistic Sdn. Bhd. 5/2/18 </p>
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**PREVENTIVE MAINTENANCE CHECKLIST
(CORE SWITCH / DISTRIBUTION SWITCH)**

(FORM 3)

FACILITY : HOSPITAL ORANG ASLI GOMBAK DEPT : IT STATE : SELANGOR ZONE : ID
 LOCATION :
 CORE-SWITCH / DISTRIBUTION SWITCH Location : PABX ROOM

PAT ID : Phis/SEL-08/HSP-03/DSW-001 Location : PABX ROOM
 SERIAL NO: DNI192707A6 Loaned Unlocated Relocated

PART I - STANDARD TASK

Function	PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP	
	Not Function & Resolved	Alert	Not Function & Resolved	Not Function & Unresolved
Verify Condition : Cable & Connection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Power Supply	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Check LED Status	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
System LED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Master LED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
STACK ID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SSH Access & Connection
 Execute Putty to start
 Specify the IP to connect
 Test Login
 Test & Verify Management IP via console access

PAT ID :
 SERIAL NO:
 CORE-SWITCH / DISTRIBUTION SWITCH Location :
 Loaned Unlocated Relocated

PART I - STANDARD TASK

Function	PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP	
	Not Function & Resolved	Alert	Not Function & Resolved	Not Function & Unresolved
Verify Condition : Cable & Connection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Power Supply	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Check LED Status	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
System LED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Master LED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
STACK ID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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	PHARMANIAGA LOGISTICS SDN BHD (PLSB)
Signature & Stamp	MUHAMMAD ANUAR S. ANWAR PMS & OPS Implementation Pharmaniaga Logistic Sdn. Bhd.
Customer Name	Pharmaniaga Logistic Sdn. Bhd.
Date	5/2/18

PREVENTIVE MAINTENANCE CHECKLIST
(DEVICE)

DEPT : MAIN STORE

LOCATION : SELANGOR

ZONE : 10

PATID : PHIS/SEL-08/HSP-03/PCD-001

S/N CPU : PC04MX9Y

MONITOR : V90124M 4

KEYBOARD : 01237653

MOUSE : H5509H4032D

Location : Distribution

PART I - STANDARD TASK		PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP	
All Device: <input checked="" type="checkbox"/> Cleaning Desktop/Notebook: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Device is harden: <input checked="" type="checkbox"/> 2 GB <input type="checkbox"/> 4 GB <input type="checkbox"/>	Verify Condition : Connection via LAN / USB Fan/ Power Supply/ Charger Hard Disk Utilization (GB): 1st Partition 2nd Partition	Not Function & Resolved Alert Ticket No	Verification: IWP KYM PHIS Portal	Function Not Function & Resolved Auto update disabled: (a) Java (JDK 6 update 30) (b) Internet Explorer 9 (64bits) ClamAV - Ver 0.98.3 Microsoft Office BCP (BCP PC only) Backup PC (Bacula Web)	Function Not Function & Resolved Updated Version

PATID : PHIS/SEL-08/HSP-03/PCD-002

S/N CPU : PC04MX7B

MONITOR : V90124M 4

KEYBOARD : 01237653

MOUSE : H5509H4032D

Location : Distribution

PART I - STANDARD TASK		PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP	
All Device: <input checked="" type="checkbox"/> Cleaning Desktop/Notebook: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Device is harden: <input checked="" type="checkbox"/> 2 GB <input type="checkbox"/> 4 GB <input type="checkbox"/>	Verify Condition : Connection via LAN / USB Fan/ Power Supply/ Charger Hard Disk Utilization (GB): 1st Partition 2nd Partition	Not Function & Resolved Alert Ticket No	Verification: IWP KYM PHIS Portal	Function Not Function & Resolved Auto update disabled: (a) Java (JDK 6 update 30) (b) Internet Explorer 9 (64bits) ClamAV - Ver 0.98.3 Microsoft Office BCP (BCP PC only) Backup PC (Bacula Web)	Function Not Function & Resolved Updated Version

PATID : PHIS/SEL-08/HSP-03/LIP-001

S/N CPU : 454574M24LTS

MONITOR : N/A

KEYBOARD : N/A

MOUSE : N/A

Location : Receiving

PART I - STANDARD TASK		PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP	
All Device: <input checked="" type="checkbox"/> Cleaning Desktop/Notebook: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Device is harden: <input type="checkbox"/> 2 GB <input type="checkbox"/> 4 GB <input type="checkbox"/>	Verify Condition : Connection via LAN / USB Fan/ Power Supply/ Charger Hard Disk Utilization (GB): 1st Partition 2nd Partition	Not Function & Resolved Alert Ticket No	Verification: IWP KYM PHIS Portal	Function Not Function & Resolved Auto update disabled: (a) Java (JDK 6 update 30) (b) Internet Explorer 9 (64bits) ClamAV - Ver 0.98.3 Microsoft Office BCP (BCP PC only) Backup PC (Bacula Web)	Function Not Function & Resolved Updated Version

**PREVENTIVE MAINTENANCE CHECKLIST
(DEVICE)**

(FORM 1)

FACILITY : **HOSPITAL ORANG ASLI GOMBAK** DEPT : **MAIN STORE** LOCATION : **STATE : SELANGOR** ZONE : **10**

PAT ID : _____ S/N CPU : _____

MONITOR : _____ KEYBOARD : _____ MOUSE : _____

LANNEED : UNLOCATED : RELOCATED : LOCATION : _____

DESKTOP / NOTEBOOK / LASERJET / THERMAL-PRINTER

PART I - STANDARD TASK	PART II - STANDARD HEALTH CHECK	PART III - STANDARD SETUP
All Device: <input type="checkbox"/> Cleaning Desktop/Notebook: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Device is harden: <input type="checkbox"/> 2 GB <input type="checkbox"/> 4 GB <input type="checkbox"/> MEMORY :	Verify Condition : Connection via LAN / USB <input type="checkbox"/> Fan/ Power Supply/ Charger <input type="checkbox"/> Hard Disk Utilization (GB) : 1st Partition <input type="checkbox"/> 2nd Partition <input type="checkbox"/>	Auto update disabled: (a) Java (JDK 6 update 30) <input type="checkbox"/> (b) Internet Explorer 9 (64bits) <input type="checkbox"/> ClamAv - Ver.0.98.3 <input type="checkbox"/> Microsoft Office <input type="checkbox"/> BCP (BCP PC only) <input type="checkbox"/> Backup PC (Bacula Web) <input type="checkbox"/>

PAT ID : _____ S/N CPU : _____

MONITOR : _____ KEYBOARD : _____ MOUSE : _____

LANNEED : UNLOCATED : RELOCATED : LOCATION : _____

DESKTOP / NOTEBOOK / LASERJET / THERMAL-PRINTER

PART I - STANDARD TASK	PART II - STANDARD HEALTH CHECK	PART III - STANDARD SETUP
All Device: <input type="checkbox"/> Cleaning Desktop/Notebook: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Device is harden: <input type="checkbox"/> 2 GB <input type="checkbox"/> 4 GB <input type="checkbox"/> MEMORY :	Verify Condition : Connection via LAN / USB <input type="checkbox"/> Fan/ Power Supply/ Charger <input type="checkbox"/> Hard Disk Utilization (GB) : 1st Partition <input type="checkbox"/> 2nd Partition <input type="checkbox"/>	Auto update disabled: (a) Java (JDK 6 update 30) <input type="checkbox"/> (b) Internet Explorer 9 (64bits) <input type="checkbox"/> ClamAv - Ver.0.98.3 <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

PCD-001 : Monitor loan unit (SAC-046) S/N:V6K744871

Handwritten note: Heli notified by Tech/IT

PART V - ACKNOWLEDGEMENT

Signature & Stamp	Signature & Stamp
Customer Name	Customer Name
Date	Date

PHARMANIAGA LOGISTICS SDN BHD (PLSB)

Handwritten signature and date: 5/1/18

PREVENTIVE MAINTENANCE CHECKLIST™
(DEVICE)

STATE : SELANGOR

LOCATION :

ZONE : 10

FACILITY : HOSPITAL ORANG ASLI GOMBAK

DEPT : OUTPATIENT PHARMACY

Location : Screening, Verification, Labelling & Dispensing

PAT ID : PHIS/SEL-08/HSP-03/PCD-003
 S/N CPU : PC04MX78
 MONITOR : v901etn6
 KEYBOARD : 01227622
 MOUSE : H5509HA03RT
 Relocated :

PART I - STANDARD TASK N/A

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
Hard Disk Utilization (GB) :
 1st Partition 120 119
 2nd Partition 75.6 136

MEMORY : 2 GB
 4 GB

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
Hard Disk Utilization (GB) :
 1st Partition
 2nd Partition

MEMORY : 2 GB
 4 GB

PART II - STANDARD HEALTH CHECK N/A

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"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
Hard Disk Utilization (GB) :
 1st Partition
 2nd Partition

MEMORY : 2 GB
 4 GB

PART III - STANDARD SETUP N/A

Function	Not Function & Resolved	Current Version	Updated Version
<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 type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		

Auto update disabled:
 (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 : PHIS/SEL-08/HSP-03/THP-001
 S/N CPU : 2305N001107
 MONITOR :
 KEYBOARD :
 MOUSE :
 Relocated :

PART I - STANDARD TASK N/A

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
Hard Disk Utilization (GB) :
 1st Partition
 2nd Partition

MEMORY : 2 GB
 4 GB

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
Hard Disk Utilization (GB) :
 1st Partition
 2nd Partition

MEMORY : 2 GB
 4 GB

PART II - STANDARD HEALTH CHECK N/A

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

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
Hard Disk Utilization (GB) :
 1st Partition
 2nd Partition

MEMORY : 2 GB
 4 GB

PART III - STANDARD SETUP N/A

Function	Not Function & Resolved	Current Version	Updated Version
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		

Auto update disabled:
 (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 : PHIS/SEL-08/HSP-03/NBK-001
 S/N CPU : R50GR3N2
 MONITOR :
 KEYBOARD :
 MOUSE :
 Relocated :

PART I - STANDARD TASK N/A

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
Hard Disk Utilization (GB) :
 1st Partition 44.4 193
 2nd Partition 96.3 210

MEMORY : 2 GB
 4 GB

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
Hard Disk Utilization (GB) :
 1st Partition
 2nd Partition

MEMORY : 2 GB
 4 GB

PART II - STANDARD HEALTH CHECK N/A

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

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
Hard Disk Utilization (GB) :
 1st Partition
 2nd Partition

MEMORY : 2 GB
 4 GB

PART III - STANDARD SETUP N/A

Function	Not Function & Resolved	Current Version	Updated Version
<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 type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		

Auto update disabled:
 (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)

**PREVENTIVE MAINTENANCE CHECKLIST™
(DEVICE)**

FACILITY: HOSPITAL ORANG ASLI GOMBAK

DEPT: OUTPATIENT PHARMACY

LOCATION: STATE : SELANGOR

ZONE: 10

PAT ID : PHIS/SEL-08/HSP-03/JP-002 Location: Screening, Verification, Labelling & Dispensing

S/N CPU : 451457LM2H6ZC Relocated:

MONITOR: N/A Unlocated: Leaned: Replaced:

KEYBOARD: Mouse: Keyboard: Mouse:

PART I - STANDARD TASK **PART II - STANDARD HEALTH CHECK** **PART III - STANDARD SETUP**

All Device: **Verify Condition:** **Verification:**

Cleaning: Connection via LAN / USB: IWP: (a) Java (JDK 6 update 30):

Desktop/Notebook: Yes No N/A Fan/ Power Supply/ Charger: KYM: (b) Internet Explorer 9 (64bits):

Device is harden: Hard Disk Utilization (GB): PHIS Portal: ClamAv - Ver 0.98.3:

MEMORY : 2 GB 1st Partition: Free: Microsoft Office:

4 GB 2nd Partition: Alert: BCP (BCP PC only):

Not Function & Unresolved: Ticket No: Backup PC (Bacula Web):

PART I - STANDARD TASK **PART II - STANDARD HEALTH CHECK** **PART III - STANDARD SETUP**

All Device: **Verify Condition:** **Verification:**

Cleaning: Connection via LAN / USB: IWP: (a) Java (JDK 6 update 30):

Desktop/Notebook: Yes No N/A Fan/ Power Supply/ Charger: KYM: (b) Internet Explorer 9 (64bits):

Device is harden: Hard Disk Utilization (GB): PHIS Portal: ClamAv - Ver 0.98.3:

MEMORY : 2 GB 1st Partition: Free: Microsoft Office:

4 GB 2nd Partition: Alert: BCP (BCP PC only):

Not Function & Unresolved: Ticket No: Backup PC (Bacula Web):

PART IV - FINDINGS / ALERTS / DETECTION **FURTHER ACTION / RECOMMENDATION**

Signature & Stamp: Signature & Stamp: Signature & Stamp:

Customer Name: Customer Name: Customer Name:

Date: Date: Date:

PART V - ACKNOWLEDGEMENT

CUSTOMER

Signature & Stamp: *Free* Signature & Stamp: *MUHAMMAD ANUAR B. AWALUDDIN*

Customer Name: Customer Name: Customer Name:

Date: 5/2/2018 Date: Date:

Pharmaniaga Logistic Sdn. Bhd.

PREVENTIVE MAINTENANCE CHECKLIST (DEVICE)

(FORM 1)

STATE : SELANGOR

LOCATION : Ward A3

DEPT : WARD/ EMERGENCY & TRAUMA

LOCATION : HOSPITAL ORANG ASLI GOMBAK

DEPT : WARD/ EMERGENCY & TRAUMA

ZONE : 10

PAT ID : PHIS/SEL-08/HSP-03/PCD-006
 S/N CPU : PC05FKYL
 MONITOR : v901etr
 KEYBOARD : 0001715
 MOUSE : H55L5HAI7DN
 Location : Ward A3
 Released: Unlocated: Lensed:

PART I - STANDARD TASK		PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP			
Function	Not Function & Resolved	Function	Not Function & Unresolved	Function	Not Function & Resolved	Function	Updated Version
All Device: Cleaning	<input checked="" type="checkbox"/>	Alert	Ticket No	Auto update disabled:	<input type="checkbox"/>	<input type="checkbox"/>	
Desktop/Notebook: Device is harden	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Free	Alert	(a) Java (JKD 6 update 30)	<input type="checkbox"/>	<input type="checkbox"/>	
MEMORY : 2 GB <input checked="" type="checkbox"/> 4 GB <input type="checkbox"/>	1st Partition <input checked="" type="checkbox"/> 2nd Partition <input type="checkbox"/>	Used	Free	(b) internet Explorer 9 (64bits)	<input type="checkbox"/>	<input type="checkbox"/>	
		115	125	ClamAv - Ver 0.98.3	<input type="checkbox"/>	<input type="checkbox"/>	
		75-6	136	Microsoft Office	<input type="checkbox"/>	<input type="checkbox"/>	
				BCP (BCP PC only)	<input type="checkbox"/>	<input type="checkbox"/>	
				Backup PC (Bacula Web)	<input type="checkbox"/>	<input type="checkbox"/>	

PAT ID : PHIS/SEL-08/HSP-03/PCD-007
 S/N CPU : PC05FLLD
 MONITOR : v901etryn
 KEYBOARD : 0001613
 MOUSE : H55L5HAI7EQ
 Location : Ward A4
 Released: Unlocated: Lensed:

PART I - STANDARD TASK		PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP			
Function	Not Function & Resolved	Function	Not Function & Unresolved	Function	Not Function & Resolved	Function	Updated Version
All Device: Cleaning	<input checked="" type="checkbox"/>	Alert	Ticket No	Auto update disabled:	<input type="checkbox"/>	<input type="checkbox"/>	
Desktop/Notebook: Device is harden	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Free	Alert	(a) Java (JKD 6 update 30)	<input type="checkbox"/>	<input type="checkbox"/>	
MEMORY : 2 GB <input checked="" type="checkbox"/> 4 GB <input type="checkbox"/>	1st Partition <input checked="" type="checkbox"/> 2nd Partition <input type="checkbox"/>	Used	Free	(b) internet Explorer 9 (64bits)	<input type="checkbox"/>	<input type="checkbox"/>	
		115	125	ClamAv - Ver 0.98.3	<input type="checkbox"/>	<input type="checkbox"/>	
		75-6	136	Microsoft Office	<input type="checkbox"/>	<input type="checkbox"/>	
				BCP (BCP PC only)	<input type="checkbox"/>	<input type="checkbox"/>	
				Backup PC (Bacula Web)	<input type="checkbox"/>	<input type="checkbox"/>	

PAT ID : PHIS/SEL-08/HSP-03/PCD-008
 S/N CPU : PC05FLAS
 MONITOR : v901TYNE
 KEYBOARD : 0000718
 MOUSE : H55L5HAIJCH
 Location : Emergency Unit
 Released: Unlocated: Lensed:

PART I - STANDARD TASK		PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP			
Function	Not Function & Resolved	Function	Not Function & Unresolved	Function	Not Function & Resolved	Function	Updated Version
All Device: Cleaning	<input checked="" type="checkbox"/>	Alert	Ticket No	Auto update disabled:	<input type="checkbox"/>	<input type="checkbox"/>	
Desktop/Notebook: Device is harden	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Free	Alert	(a) Java (JKD 6 update 30)	<input type="checkbox"/>	<input type="checkbox"/>	
MEMORY : 2 GB <input checked="" type="checkbox"/> 4 GB <input type="checkbox"/>	1st Partition <input checked="" type="checkbox"/> 2nd Partition <input type="checkbox"/>	Used	Free	(b) internet Explorer 9 (64bits)	<input type="checkbox"/>	<input type="checkbox"/>	
		114	124	ClamAv - Ver 0.98.3	<input type="checkbox"/>	<input type="checkbox"/>	
		75-6	136	Microsoft Office	<input type="checkbox"/>	<input type="checkbox"/>	
				BCP (BCP PC only)	<input type="checkbox"/>	<input type="checkbox"/>	
				Backup PC (Bacula Web)	<input type="checkbox"/>	<input type="checkbox"/>	

PREVENTIVE MAINTENANCE CHECKLISTS
(DEVICE)

STATE : SELANGOR

ZONE : 10

DEPT: WARD/ EMERGENCY & TRAUMA

FACILITY: HOSPITAL ORANG ASLI GOMBAK

LOCATION: Ward A1

PAT ID : Phis/SEL-08/HSP-08/PCD-004
 S/N CPU : PC04VX4U
 MONITOR: v901etng
 KEYBOARD: 01227651
 MOUSE: H5509HA0556
 Location: Ward A1
 Relocated:
 Unlocated:

PART I - STANDARD TASK N/A

PART II - STANDARD HEALTH CHECK N/A

Function	Not Function & Resolved	Alert	Ticket No
Used	<input type="checkbox"/>	<input type="checkbox"/>	
Free	<input type="checkbox"/>	<input type="checkbox"/>	
122			
136			

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
 Hard Disk Utilization (GB):
 1st Partition
 2nd Partition

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
 Hard Disk Utilization (GB):
 1st Partition
 2nd Partition

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
 Hard Disk Utilization (GB):
 1st Partition
 2nd Partition

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
 Hard Disk Utilization (GB):
 1st Partition
 2nd Partition

PAT ID :
 S/N CPU :
 MONITOR:
 KEYBOARD:
 MOUSE:
 Location:
 Relocated:
 Unlocated:

PART I - STANDARD TASK N/A

PART II - STANDARD HEALTH CHECK N/A

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

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
 Hard Disk Utilization (GB):
 1st Partition
 2nd Partition

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
 Hard Disk Utilization (GB):
 1st Partition
 2nd Partition

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
 Hard Disk Utilization (GB):
 1st Partition
 2nd Partition

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
 Hard Disk Utilization (GB):
 1st Partition
 2nd Partition

PART III - STANDARD SETUP N/A

Auto update disabled:
 (a) Java (UKD 6 update 30)
 (b) Internet Explorer 9 (64bits)
 ClamAV - Ver 0.98.3
 Microsoft Office
 BCP (BCP PC only)
 Backup PC (Bacula Web)

Auto update disabled:
 (a) Java (UKD 6 update 30)
 (b) Internet Explorer 9 (64bits)
 ClamAV - Ver 0.98.3
 Microsoft Office
 BCP (BCP PC only)
 Backup PC (Bacula Web)

FURTHER ACTION / RECOMMENDATION

PART V - ACKNOWLEDGEMENT

CUSTOMER
 Signature & Stamp
 Customer Name
 Date

PHARMANIAGA LOGISTICS SDN BHD (PLSB)
 Signature & Stamp
 Engineer Name
 Date

JIVANTI MURUGAIYAN
 Pegawai Farnasi U43
 Hospital Orang Asli Gombak
 Kementerian Kesihatan Malaysia

MUHAMMAD ANUAR B. AWALUDDIN
 PHIS & CPS Implementer
 Pharmaniaga Logistic Sdn. Bhd.

5/12/18

5/7/18



PHIS & CPS PROJECT



Appendix C

Hardware Inventory List



PHIS & CPS PROJECT



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	PC04MX9Y	v901etn4	01282993	HS509HA0J3Y	PhIS/SEL-08/HSP-03/PCD-001	Main Store	Distribution
2	PC04MX73	v901etmd	01227653	HS509HA03RD	PhIS/SEL-08/HSP-03/PCD-002	Main Store	Distribution
3	PC04MX78	v901etn6	01227622	HS509HA03RT	PhIS/SEL-08/HSP-03/PCD-003	Outpatient Pharmacy	Screening, Verification, Labelling & Dispensing
4	PC04MX4U	v901etng	01227651	HS509HA0556	PhIS/SEL-08/HSP-03/PCD-004	Ward	Ward A1
5	PC05FL7R	v901etp9	0000660	HS516HA1JQ	PhIS/SEL-08/HSP-03/PCD-005	Inpatient Pharmacy	Screening, Verification, Labelling & Dispensing
6	PC05FKYL	v901etlr	0001715	HS515HA17DN	PhIS/SEL-08/HSP-03/PCD-006	Ward	Ward A3
7	PC05FLLD	v901eryn	0001613	HS515HA17EQ	PhIS/SEL-08/HSP-03/PCD-007	Ward	Ward A4
8	PC05FLA5	V901TYNE	0000718	HS516HA1JCH	PhIS/SEL-08/HSP-03/PCD-008	Emergency & Trauma	Emergency Unit

2. NOTEBOOK

No	NBK	ASSET TAGGING	DEPARTMENT	LOCATION
1	R90GR3N2	PhIS/SEL-08/HSP-03/NBK-001	Outpatient Pharmacy	Pool Basis
2	R90GR3SD	PhIS/SEL-08/HSP-03/NBK-002	Inpatient Pharmacy	Pool Basis

3. LASERJET PRINTER

No	LJP	ASSET TAGGING	DEPARTMENT	LOCATION
1	451457LM2GLT0	PhIS/SEL-08/HSP-03/LJP-001	Main Store	Receiving
2	451457LM2H6ZC	PhIS/SEL-08/HSP-03/LJP-002	Outpatient Pharmacy	Screening, Verification, Labelling & Dispensing



PhIS & CPS PROJECT



4. THERMAL PRINTER

No.	THP	ASSET TAGGING	DEPARTMENT	LOCATION
1	2305N001107	PhIS/SEL-08/HSP-03/THP-001	Outpatient Pharmacy	Screening, Verification, Labelling & Dispensing
2	2305E000865	PhIS/SEL-08/HSP-03/THP-002	Inpatient Pharmacy	Screening, Verification, Labelling & Dispensing

5. NETWORK SWITCH

No.	SWITCH	ASSET TAGGING	DEPARTMENT	LOCATION
1	DNI192707A6	PhIS/SEL-08/HSP-03/DSW-001	IT DEPARTMENT	PABX Room

6. SERVER

No.	SERVER S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	06GHEFA	PhIS/SEL-08/HSP-03/SVR-001	IT DEPARTMENT	Sever Room
2	06GHEEA	PhIS/SEL-08/HSP-03/SVR-002	IT DEPARTMENT	Sever Room

7. UPS

No.	UPS S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	15199403094AF453	PhIS/SEL-08/HSP-03/UPS-001	IT DEPARTMENT	Sever Room

8. STORAGE

No.	STORAGE	ASSET TAGGING	DEPARTMENT	LOCATION
1	7843142	PhIS/SEL-08/HSP-03/STR-001	IT DEPARTMENT	Sever Room