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

Release Note

For version 2.0.1.2

Version	**: 1.0**
Document ID	**: PhIS_CPS/ReleaseNote/Refinement/19102018**

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Revision History

Version No	Date of Release	Prepared by	Reviewed / Verified by	List of changes from Previous Version
1.0	19/10/2018	Zainura	Chew Ming Ping	First Version

Verified and Acknowledged by:

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		Bahagian Pengurusan Maklumat (BPM), KKM	

Peer Review

Version No	Reviewed / Verified by	List Of Changes from Previous Version
1.0	Juridah (QA)	Initial document

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1 Introduction

1.1 Project Information

Project ID	:	PhIS and CPS
Project Name	:	Pharmacy Information System and Clinic Pharmacy System
Version No	:	2.0.1.2
Client Name	:	Ministry of Health
Release ID	:	RL18/020
Release Date	:	19/10/2018

1.2 Objectives

No.	Objective	Reference
1.	Release PhIS & CPS Application to Facility	Refer Section 3 – Refinement and Defect list

2 Purpose

The purpose of the document is to update the end-user of the changes and defects have been resolved to be included in the new version of application and will be deployed to production server.

This document outlines the list of request and issue to be delivered in the newer version of application and also the guidelines on how to deploy the new version of application in production.

3 Summary – Refinement and Defect List

3.1 Refinement List for PhIS & CPS

The following are the refinement that included in PhIS v2.0.1.2:

No	CR No	Module	Function	Description	Ticket No	Facility	Reference
1	R180039	Report/Enquiry	Report - Rekod Harian SPUB: Request for enhancement	Enhancement: 1. To display 'total amount of drug' by category of drug (A,B,C) below the report. 2. To display record of SPUB Referred out (for online and ofline) 3. To add in filter for Referred/Received SPUB (add in column too) 4. To include 'referred to' data (SPUB Out) in Rekod Harian SPUB. 5. Able to filter by: • SPUB In/SPUB Out • Facility name • Patient Name • Drug name • Referral number 6. To be dropped/remove: • Column - 'Patient come after 7 days' referred to 'Patient came 7 days before/on appointment date (as stated in user attachment file below) • Summary – 'Total no of rx patient come after 7 days' referred to 'Total no of rx patient come 7 days before/on Appointment date' (as stated in user attachment file below) • Summary – '% of prescription received their drug supply on the arrival date'	I-PhIS016461316S	Hospital Sri Aman	Refer to # 4.1

No	CR No	Module	Function	Description	Ticket No	Facility	Reference
2	R180042	Report/Enquiry	Report - VAS Registry: Request add filtration	Enhancement: 1. To add in filter in VAS Report: a. Add filter by Dispensed date from/to b. Add filter by Registered Date From/To. c. Add filter by Registered location, d. Add in filter by dispensing location 2. To display: a. Registered Location b. Dispense Location	I-PhIS017273616S	Klinik Kesihatan Padang Rengas	Refer to # 4.2
3	R180138	Adverse Drug Reaction (ADR)	Request for patient height and weight information to be sent to NPRA Quest	Enhancement: - Request patient height and weight information to be sent to NPRA Quest	I-PhIS044595118S	Bahagian Perkhidmatan Farmasi	No screenshot, impact to NPRA integration
4	R180142	Manufacturing - Radiopharmaceutical	Dispensing Radiopharmaceutical - To not display 'Error admin' on dispense record	Improvement On click of 'Dispense' button (In Dispensing Details screen) add validation of 'Dispense Date/Time' should not be less than allocated batch 'Measured Date/Time'. Display alert message of: 'Dispense Date/Time should not be less than allocated batch Measurement Date/Time !'	I-PhIS029487118S	Hospital Umum Sarawak	Refer to # 4.3
5	R180139	MTAC	MTAC Reporting - MTAC visit date	Improvement MTAC Report printing --> MTAC Visit Date MTAC visit date to be captured from 'Appointment Date'	I-PhIS045843818S	Hospital Tanah Merah	Refer to # 4.4

3.2 Resolved Defect List

The following are the summary of resolved issue list that included in PhIS and CPS version 2.0.1.2.

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
1	I-PhIS044447418S	Hospital Enche Besar Hajjah Kalso	Manufacturing - CDR	7/8/18	(2.0.1)CDR - Error appear when double click outsource listing	En Bryan reported error appear when he double click outsource listing. He informed this is first try for hospital to send outsource. Step: Record prescription > dispensing location: farmasi CDR > key in patient IC > visit: farmasi pesakit dalam > click CDR > click online outsource > double click outsource listing > error appear Example IC: 870514646852 (TEST1)	Issue happened when receiver facility receives outsource record but that CDR record had been intervened at sender facility. At receiver facility, system will refer back to regimen master but unable to load because that drug have been intervened at sender facility and not available in regimen anymore	26/9/18	
2	I-PhIS044683218S	Klinik Kesihatan Port Dickson	Report/Enquiry	16/8/18	Drug Utilisation: wrong Discipline show under Prescriber column	Pn Nordiyana reported that drug utilisation not tally after she filter for certain criteria and date. Dispense Location: Farmasi Pesakit Luar Discipline: Oral Dental Date: 1/1/2018 - 31/1/2018 Record appear Dispense Location: Farmasi Pesakit Luar Discipline: Oral Dental Date: 1/7/2018 - 31/7/2018 Record not appear Same prescriber record. User claim, haven't change discipline prescriber	Discipline column not joined properly in query	27/9/18	

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
3	I-PhIS044935718S	Klinik Kesihatan Greentown	Order Management - Web	30/8/18	(2.0.1)Screening & Verification -Wrong prescriber's name appeared	Receive email from user reported : Dr Marina prescribed but Dr Jaswinder's name appeared at the prescriber column. Please refer to attachment. This is an URGENT matter. Please rectify asap MRN: KKE08004500040942	This problem happen only in renew function . System copies precriber referance from prev ordered drug when renew function invoke.	26/9/18	
4	I-PhIS045508018S	Hospital Umum Sarawak	Manufacturing - Radiopharmaceutical	2/10/18	(2.0.1)Radiopharmaceuticals Appointment - Unable to save	Ms Law reported when user want to save record for appointment, appear error message "An error has occurred. Please contact your administrator". User already tried for a few times and logout/login back but still same. ID patient: 491217135256	Error appear when saved RP Appointment because RPL and RP Appointment share same code.	4/10/18	

Verified and Acknowledged By:

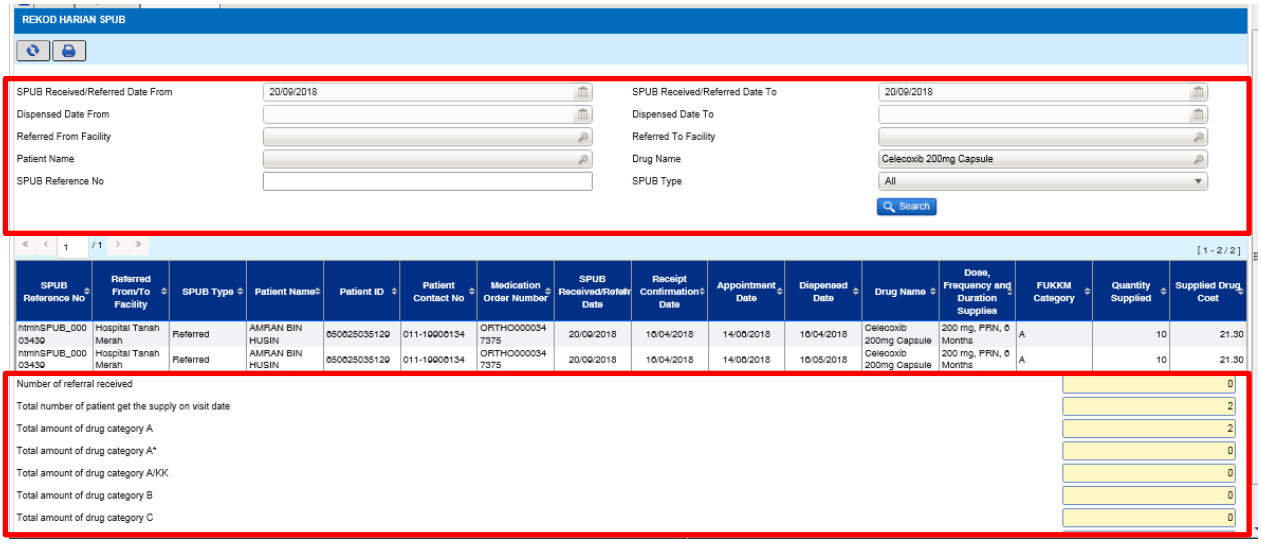
Signature: _____ Name: _____
Date: _____ Designation: _____

Signature: _____ Name: _____
Date: _____ Designation: _____

4 Refinement List – Detail Changes

4.1 Report/Enquiry – Rekod Harian SPUB

CR No	Module	Function	Description
R180039	Report/Enquiry	Report - Rekod Harian SPUB: Request for enhancement	Enhancement: 1. To display 'total amount of drug' by category of drug (A,B,C) below the report. 2. To display record of SPUB Referred out (for online and ofline) 3. To add in filter for Referred/Received SPUB (add in column too) 4. To include 'referred to' data (SPUB Out) in Rekod Harian SPUB. 5. Able to filter by: • SPUB In/SPUB Out • Facility name • Patient Name • Drug name • Referral number 6. To be dropped/remove: • Column - 'Patient come after 7 days' referred to 'Patient came 7 days before/on appointment date (as stated in user attachment file below) • Summary – 'Total no of rx patient come after 7 days' referred to 'Total no of rx patient come 7 days before/on Appointment date' (as stated in user attachment file below) • Summary – '% of prescription received their drug supply on the arrival date'



KEMENTERIAN KESIHATAN MALAYSIA

Hospital Tanah Merah

Sistem Pendispensan Ubat Bersepadu

Rekod Harian

SPUB Received/Referred Date From	:20/09/2018	**SPUB Received/Referred Date To**	:20/09/2018
Dispensed Date From	:	**Dispensed Date To**	:
Referred From Facility	:	**Referred To Facility**	:
Patient Name	:	**Drug Name**	:Celecoxib 200mg Capsule
SPUB Reference No	:	**SPUB Type**	:All

Bil.	No. Rujukan SPUB-R1	Fasiliti Merujuk Daripada / Kepada	Jenis SPUB	Nama Pesakit	Nombor kad Pengenalan Pesakit	Nombor Telefon Pesakit	Medication Order Number	Tarikh Terima / Hantar Rujukan	Tarikh Pengesahan Penerimaan	Tarikh Temujanji	Tarikh Dispens	Nama Ubat	Kategori FUKKM	Dos, Frekuensi dan Durasi Bekalan	Kuantiti Dibekalkan	Kos Ubat Dibekalkan
1	htmhSPUB_00003439	Hospital Tanah Merah	Referred	AMRAN BIN HUSIN	650625035129	011-19906134	ORTHO0000347375	20/09/2018	16/04/2018	14/06/2018	16/04/2018	Celecoxib 200mg Capsule	A	200 mg, PRN, 6 Months	10	21.30
2	htmhSPUB_00003439	Hospital Tanah Merah	Referred	AMRAN BIN HUSIN	650625035129	011-19906134	ORTHO0000347375	20/09/2018	16/04/2018	14/06/2018	16/05/2018	Celecoxib 200mg Capsule	A	200 mg, PRN, 6 Months	10	21.30

Jumlah Rujukan SPUB Diterima : 0

Jumlah Pesakit mendapat Bekalan Ubat SPUB pada tarikh kehadiran : 2

Jumlah Ubat bagi kategori A : 2

Jumlah Ubat bagi kategori A* : 0

Jumlah Ubat bagi kategori A/KK : 0

Jumlah Ubat bagi kategori B : 0

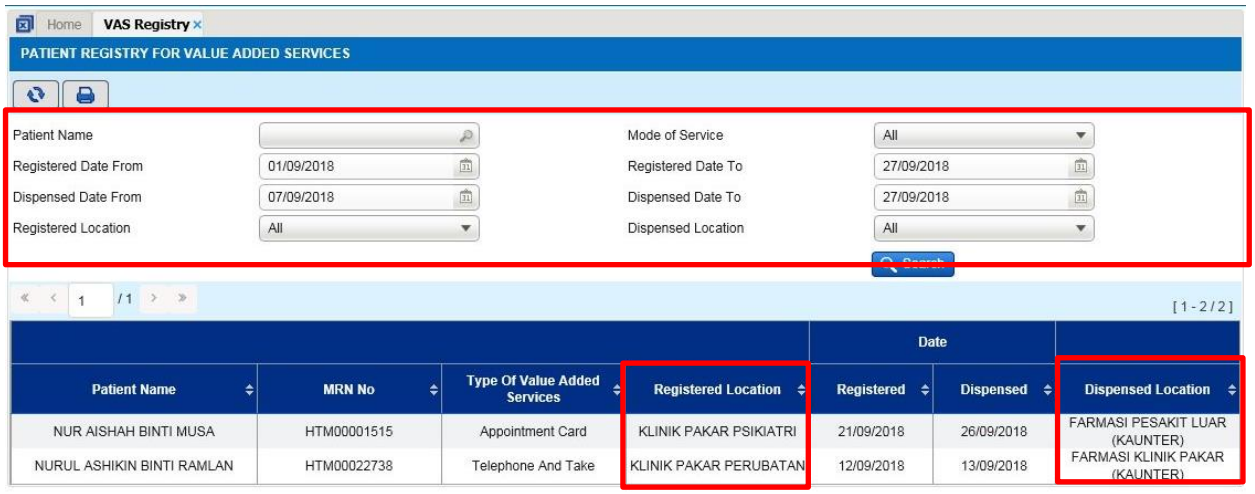
Jumlah Ubat bagi kategori C : 0

Jumlah Ubat bagi kategori C+ : 0

Jumlah Ubat bagi kategori Non-FUKKM : 0

4.2 Report/Enquiry – VAS Registry

CR No	Module	Function	Description
R180042	Report/Enquiry	Report - VAS Registry: Request add filtration	Enhancement: 1. To add in filter in VAS Report: a. Add filter by Dispensed date from/to b. Add filter by Registered Date From/To. c. Add filter by Registered location, d. Add in filter by dispensing location 2. To display: a. Registered Location b. Dispense Location



KEMENTERIAN KESIHATAN MALAYSIA

Hospital Tanah Merah

Patient Registry For Value Added Services

Patient Name	:	**Mode of Service**	:
Registered Date	: 31/08/2018	**Registered Date**	: 27/09/2018
Dispensed Date	:	**Dispensed Date**	:
Registered	: All	**Dispensed**	: All

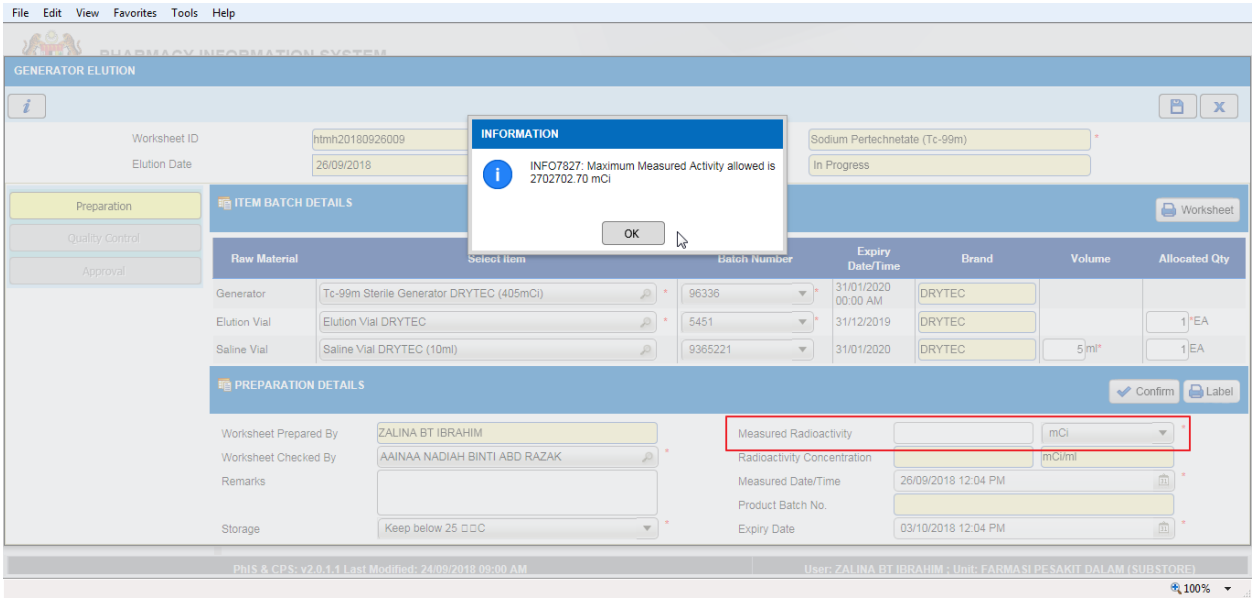
NO.	Patient Name	MRN No.	Type Of Value Added	Registered Location	Date		Dispensed Location
					Registered	Dispensed	
1	NUR AISHAH BINTI MUSA	HTM00001515	Appointment Card	KLINIK PAKAR PSIKIATRI	21/09/2018	26/09/2018	FARMASI PESAKIT LUAR (KAUNTER)
2	NURUL ASHIKIN BINTI RAMLAN	HTM00022738	Telephone And Take	KLINIK PAKAR PERUBATA	12/09/2018	13/09/2018	FARMASI KLINIK PAKAR (KAUNTER)

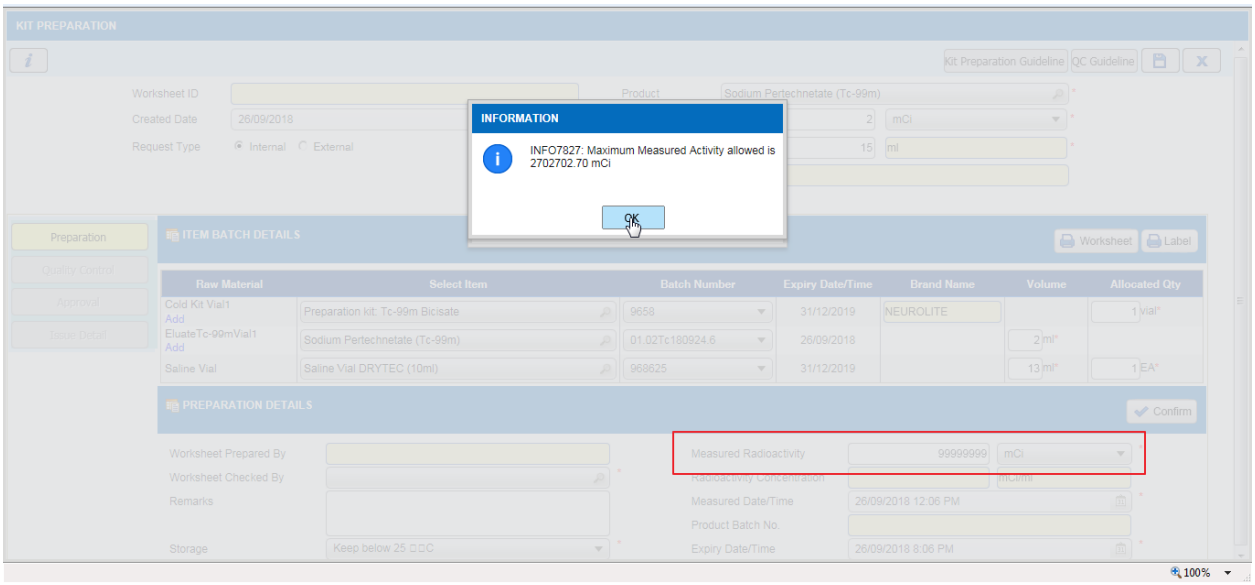
A1 | NO.

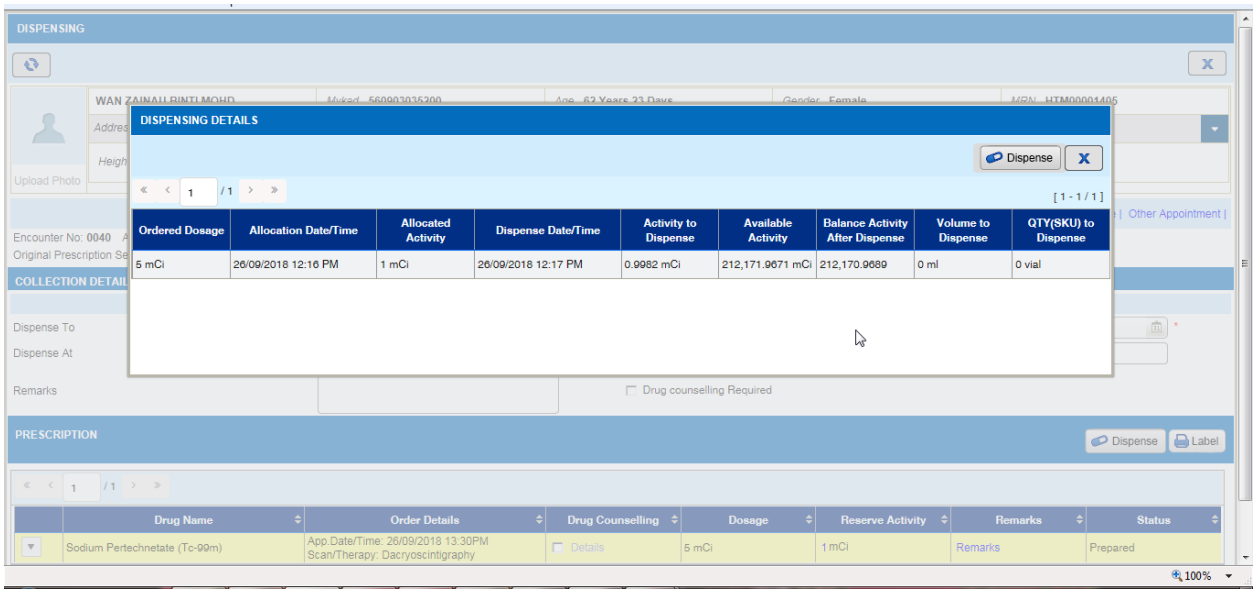
NO.	Patient Name	MRN No.	Type Of Value Added Services	Registered Location	Date		Dispensed Location
					Registered Date	Dispensed Date	
1	NUR AISHAH BINTI MUSA	HTM00001515	Appointment Card	KLINIK PAKAR PSIKIATRI	21/09/2018	26/09/2018	FARMASI PESAKIT LUAR (KAUNTER)
2	NURUL ASHIKIN BINTI RAMLAN	HTM00022738	Telephone And Take	KLINIK PAKAR PERUBATAN	12/09/2018	13/09/2018	FARMASI KLINIK PAKAR (KAUNTER)

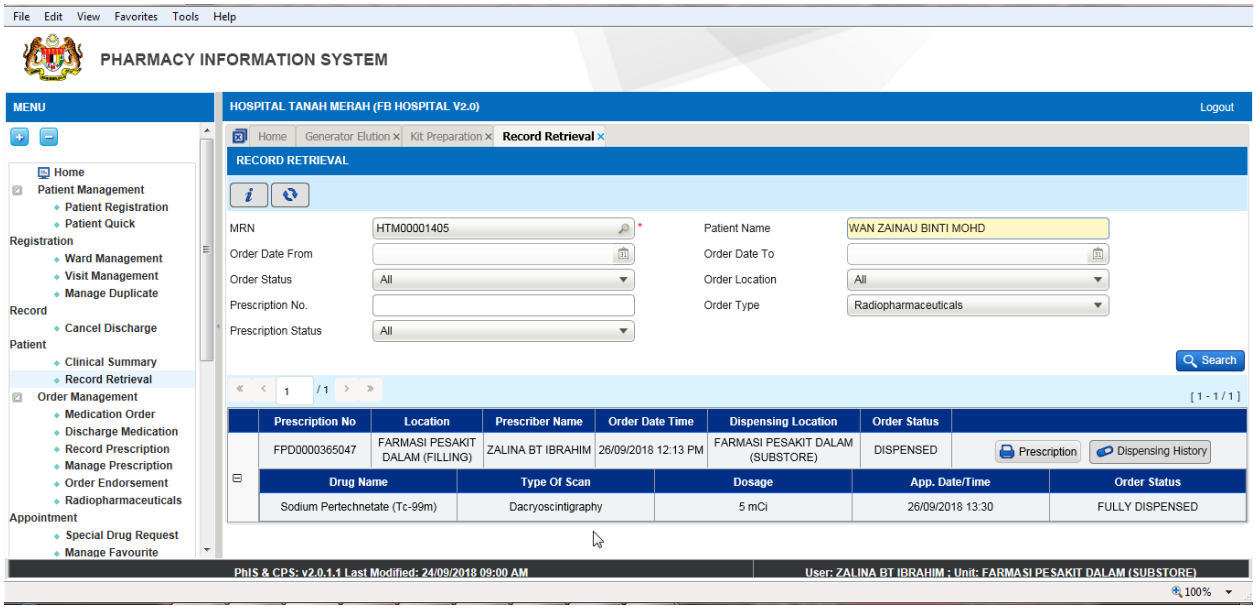
4.3 Manufacturing – Radiopharmaceutical - Dispensing

CR No	Module	Function	Description
R180142	Manufacturing - Radiopharmaceutical	Dispensing Radiopharmaceutical - To not display 'Error admin' on dispense record	Improvement On click of 'Dispense' button (In Dispensing Details screen) add validation of 'Dispense Date/Time' should not be less than allocated batch 'Measured Date/Time'. Display alert message of: 'Dispense Date/Time should not be less than allocated batch Measurement Date/Time !'





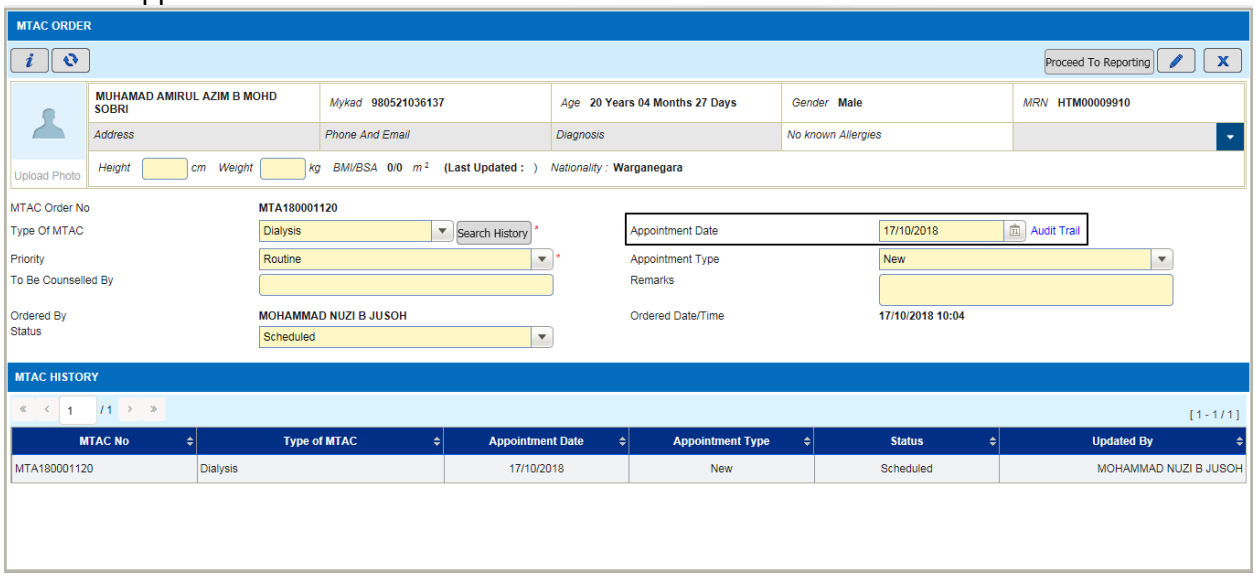

DISPENSING
DISPENSING DETAILS
Dispense
Ordered Dosage
Allocation Date/Time
Allocated Activity
Dispense Date/Time
Activity to Dispense
Available Activity
Balance Activity After Dispense
Volume to Dispense
QTY(SKU) to Dispense
5 mCi
26/09/2018 12:16 PM
1 mCi
26/09/2018 12:17 PM
0.9982 mCi
212,171.9671 mCi
212,170.9689
0 ml
0 vial
COLLECTION DETAIL
Dispense To
Dispense At
Remarks
Drug counselling Required
PRESCRIPTION
Dispense
Label
Drug Name
Order Details
Drug Counselling
Dosage
Reserve Activity
Remarks
Status
Sodium Pertechnetate (Tc-99m)
App.Date/Time: 26/09/2018 13:30PM
Scan/Therapy: Dacryoscintigraphy
Details
5 mCi
1 mCi
Remarks
Prepared


File Edit View Favorites Tools Help
PHARMACY INFORMATION SYSTEM
MENU
HOSPITAL TANAH MERAH (FB HOSPITAL V2.0)
Logout
Home
Generator Elution
Kit Preparation
Record Retrieval
RECORD RETRIEVAL
Home
Patient Management
Patient Registration
Patient Quick Registration
Ward Management
Visit Management
Manage Duplicate Record
Cancel Discharge Patient
Clinical Summary
Record Retrieval
Order Management
Medication Order
Discharge Medication
Record Prescription
Manage Prescription
Order Endorsement
Radiopharmaceuticals
Appointment
Special Drug Request
Manage Favourite
MRN
HTM00001405
Patient Name
WAN ZAINAU BINTI MOHD
Order Date From
Order Date To
Order Status
All
Order Location
All
Prescription No.
Order Type
Radiopharmaceuticals
Prescription Status
All
Search
Prescription No
Location
Prescriber Name
Order Date Time
Dispensing Location
Order Status
FPD0000365047
FARMASI PESAKIT DALAM (FILLING)
ZALINA BT IBRAHIM
26/09/2018 12:13 PM
FARMASI PESAKIT DALAM (SUBSTORE)
DISPENSED
Prescription
Dispensing History
Drug Name
Type Of Scan
Dosage
App. Date/Time
Order Status
Sodium Pertechnetate (Tc-99m)
Dacryoscintigraphy
5 mCi
26/09/2018 13:30
FULLY DISPENSED
PhIS & CPS: v2.0.1.1 Last Modified: 24/09/2018 09:00 AM
User: ZALINA BT IBRAHIM ; Unit: FARMASI PESAKIT DALAM (SUBSTORE)

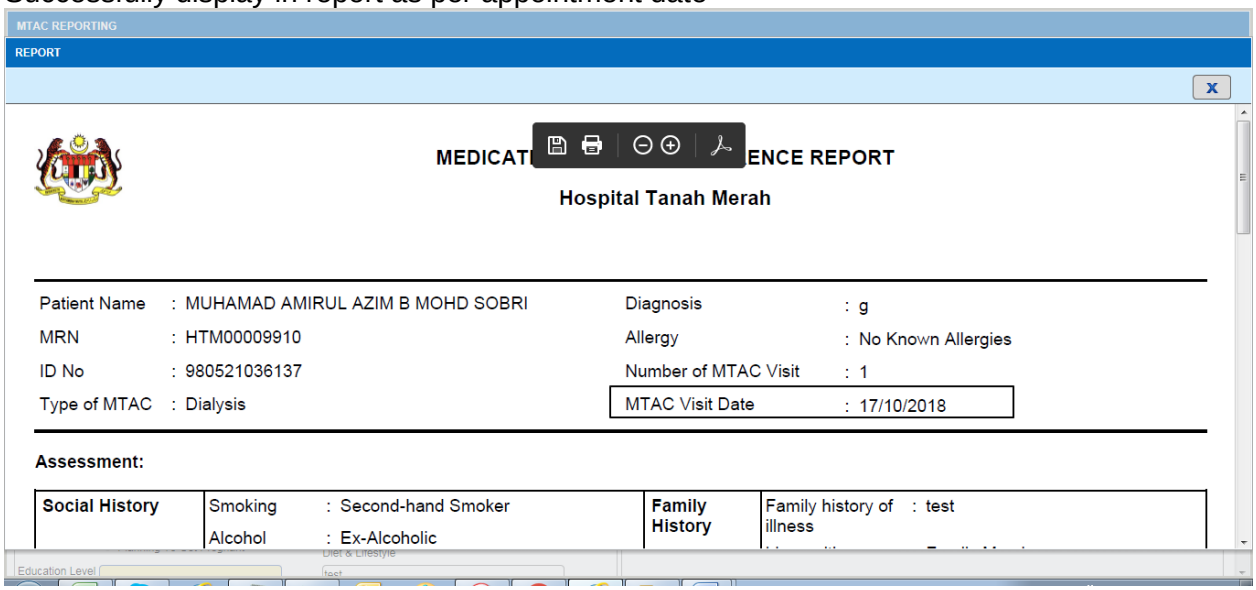
4.4 MTAC – MTAC Reporting

CR No	Module	Function	Description
R180139	MTAC	MTAC Reporting - MTAC visit date	Improvement MTAC Report printing --> MTAC Visit Date MTAC visit date to be captured from 'Appointment Date'

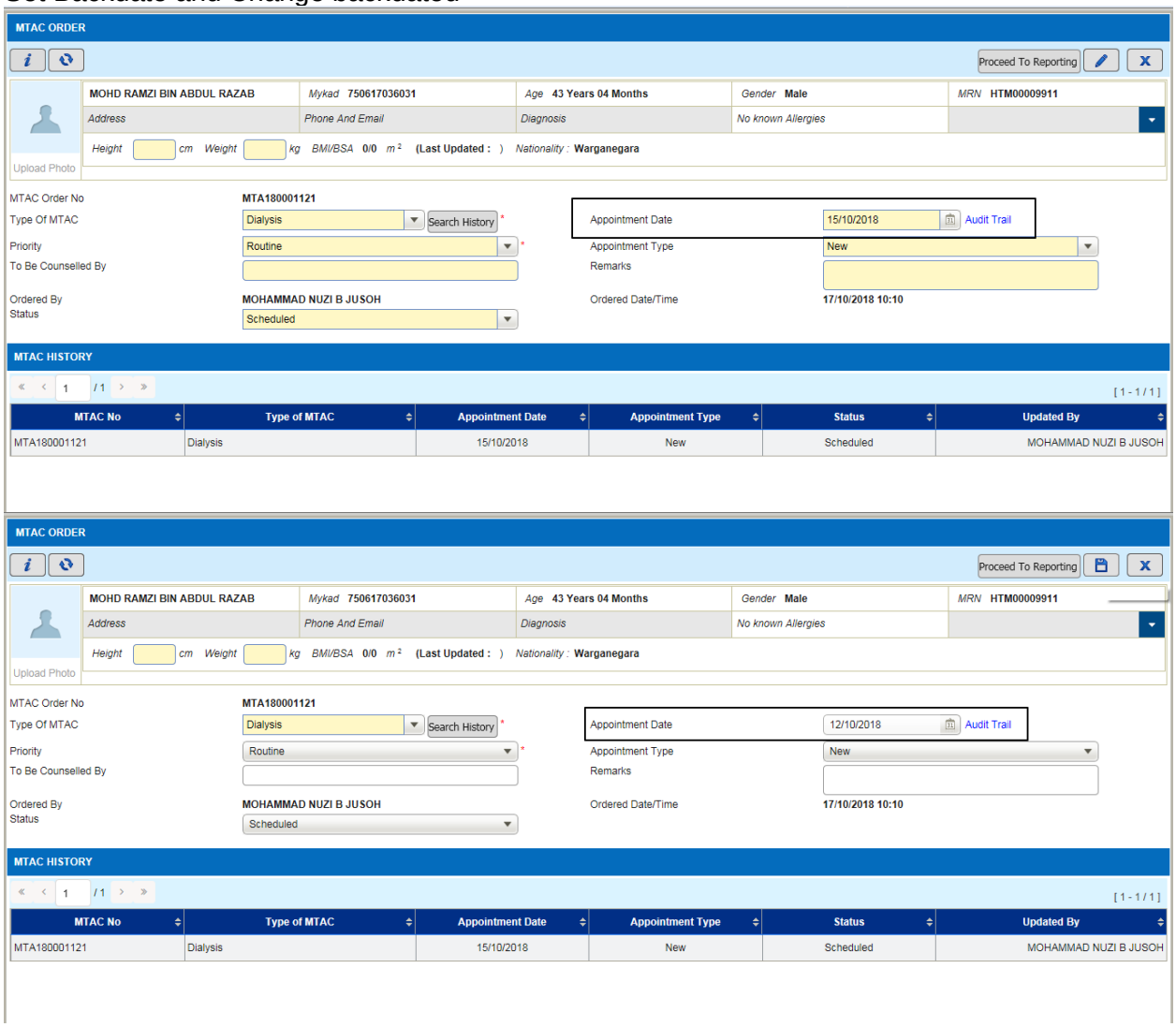
Set date Appointment 17/10/2018



Successfully display in report as per appointment date



Set Backdate and Change backdated



5 Deployment - Procedures

5.1 List of Items to be Deployed

No.	Items	Components	Path
1	Facility Script	1. PatchScripts_PhIS_V2.0.1.2.txt 2. PatchScripts_PhIS_V2.0.1.2_Functions.txt	https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/facility/scripts
2	Facility Application	iphis_v2.0.1.2.war	https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/facility/war
3	Facility Application	PhISSchedulers_v.2.0.1.2.jar	https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/facility/jar
4	Facility Application	PhISService_v.2.0.1.2.war	https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/facility/war
5	Mobile Application	iphismobile_user_v2.0.1.2.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/facility/war
6	Mobile Application	ipadhosp-2.0.0b20.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/Mobile
7	HQ Script	PatchScripts_IWP_v2.0.1.2.txt	https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/iwp/scripts
8	HQ Application	phishq_v2.0.1.2.war	https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/iwp/war

5.2 Backup Procedure before Deploy

5.2.1 Backup Procedure

Using backup tool, backup the following files and folder and database as per table below;

No.	Type	Backup Item	Description
1	Application	/home/phisesb /opt/phisesb /usr/share/fonts/truetype	PhIS Integration Application PhIS Core Application Fonts required by PhIS
2	Database	phisprod database	PhIS Live database

5.3 Deployment/Installation Guidelines

5.3.1 Deployment at Facility

Below table is described the deployment steps at Facility:

Step	Items	File Name	Source Path	Action
1	Facility Script	1. PatchScripts_PhIS_V2.0.1.2.txt 2. PatchScripts_PhIS_V2.0.1.2_Functions.txt	https://10.1.2.0.1.22:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/facility/scripts	Please ensure all the script is execute before iphis.war deploy. Please ensure the script is executed in sequence. Script file 1 Execute as pgScript and Script file 2 execute by high lighting one by one
2	Facility Application	iphis_v2.0.1.2.war	https://10.1.2.0.1.22:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/facility/war	Please rename the war file from iphis_v2.0.1.2.war to iphis.war then deploy.
3	Facility Application	PhISSchedulers_v.2.0.1.2.jar	https://10.1.2.0.1.22:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/facility/jar	Backup jar file from /home/phisesb/phisjars/ and copy downloaded jar and rename to PhISSchedulers.jar.
4	Facility Application	PhISService_v.2.0.1.2.war	https://10.1.2.0.1.22:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/facility/war	Please rename the war file from PhISService_v.2.0.1.2.war to PhISService.war then deploy.
5	Mobile Application	iphismobile_user_v2.0.1.2.war	https://10.1.2.0.1.22:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/Mobile	Rename iphismobile_user_v2.0.1.2.war to iphismobile_user.war and deploy.
6	Mobile Application	ipadhosp-2.0.0b20.war	https://10.1.2.0.1.22:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/Mobile	Rename ipadhosp-2.0.0b20.war to ipadhosp.war and deploy. - Mobile Frontend: 2.0.0r17 - Mobile Backend: 2.0.0b20

5.3.2 Deployment at HQ - IWP

Below table is described the deployment steps at HQ - IWP:

Step	Items	File Name	Source Path	Action
1	HQ Script	PatchScripts_IWP_v2.0.1.2.txt	https://10.1.2.0.1.22:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/iwp/scripts	Execute as Script
2	HQ Application	phishq_v2.0.1.2.war	https://10.1.2.0.1.22:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.1.2/iwp/war	Rename the war file from phishq_v2.0.1.2.war to phishq.war then Deploy using Glassfish Administration Console