



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

Release Note

For version 1.4.1.6

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Revision History

Version No	Date of Release	Prepared by	Reviewed / Verified by	List of changes from Previous Version
1.0	25/10/2016	Zainura	Chew Ming Ping	First Version

Verified and Acknowledged by:

Name	Role/Designation	Organization	Signature & Date
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Name	Role/Designation	Organization	Signature & Date
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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	:	1.4.1.6
Client Name	:	Ministry of Health
Release ID	:	RL16/012
Release Date	:	25/10/2016

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

The following refinement tickets to be delivered in PhIS ver 1.4.1.6.

No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
6	I-PhIS016665616S	Bahagian Perkhidmatan Farmasi (BPF)	Order Management - Web	20/10/16	Med Order, Discharge Med, Transcribe Order-Active Ingredient Checking	Request to remove checking on duplicate order for drug with same active ingredient and dosage form within same order.	Remove checking on active ingredient checking in Medication order, discharge medication, transcribe order and medication profile.	20/10/16	
7	I-PhIS016152816S	Hospital Seri Manjung	Outpatient Pharmacy	8/9/16	Request to remove ward stock flag for patient transfer function	Request to remove the ward stock flag due patient transfer from one ward to another, still no yet cater the ward stock flag. Patient transfer from ICU to Ward 3. Previous ticket : 16089527C Patient : yasam b sarkawi MRN : hsm00041384	Ward stock flag will be updated if patient transfer from one location to another location if the new location does not define the drug as a ward stock and vice versa.	24/10/16	
8	I-PhIS016037016S	Bahagian Perkhidmatan Farmasi (BPF)	Pharmacy Inventory	30/8/16	Purchase Order (KK/PKD) - Change method for Purchase	Request to change method for Purchase Order LP and Contract from KK to PKD (IWP) by block during eP Approve when budget balance is not enough until PKD done allocation for the affected vote code.	Alert user if budget is not enough before user confirm eP Approve status	21/9/16	



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Date: _____ Designation: _____



3.2 Resolved Defect List

The following are the summary of resolved defect list that included in PhIS and CPS version 1.4.1.6.

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
1	I-PhIS016659416S	Hospital Tanah Merah	General Module	20/10/16	User Profile - Appear all location	User report when he add new location , he will search location example Ward 5 and will appear in list Ward 5 and Ward 5 Day care. User want to select 2 location appear with tick at Select All tick box and will auto tick for 2 location appear. But when user click button save , all location will appear in list. Issue not happen if user manually tick at 2 location. User inform issue happen to all user profile. Step - User Profile > Granted Location > Add New	on select all item not filter base on search item	20/10/16	
2	I-PhIS016488116S	Hospital Miri	Inpatient Pharmacy	8/10/16	Screening & Verification - Intervention show pop up message	SIT Hakimi called on behalf of user Ms Ling. 1. Dr transcribe drug Paracetamol 120mg/5ml syrup with 220mg dose. 2. User make intervention on drug, change dose from 220mg into 135mg 3. User can not save after Modify the Order due to Info pop up appear 'No Medication is Done' 4. User then exit the Intervention screen 5. User print label, label come out dose as 135mg 6. User check in Record Retrieval. dose is 220mg	1. Missing Validation against Dosage field. 2. On confirm button , record transaction carried out before confirmation message for reason Insert so partial transaction happening (Dispense Normal Records updated) . which cause dispensing side values updated but order side not updated.	11/10/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						HMIRI00173068			
3	I-PhIS015773316S	Klinik Kesihatan Felda Sahabat	IWP	8/8/16	Budget - Pending amount still appear even already reject order	User from KK Lahad Datu reported for KK Felda Sahabat. He informed KK Felda Sahabat already perform purchase order for Ubat but that order already reject by PKD. User informed pending amount (RM38,967.88) still not include in actual amount even order already rejected. Vote code: 142801/020600/27401/99 (ubat) User ID: 901230015733	Amount value is not reset to old value which presented in Budget movement table. That's why the amount value not updated on Pending Quantity if that record already rejected.	17/8/16	
4	I-PhIS015985016S	Pejabat Kesihatan Daerah Gua Musang	IWP	25/8/16	IWP - Budget Balance - able to view all region in all state	User reported she search generally at budget balance but she able to view wide region at all state. Usually, when she do search generally at budget balance, she will be able to view only PKD Musang and all KK under that PKD. User found out the budget balance become RM206 million because of this matter. ID: 810223105630	Budget balance shows all kk's budget if search record without filter Clinic name.	26/8/16	
5	I-PhIS016112116S	Bahagian Perkhidmata in Farmasi (BPF)	IWP	5/9/16	Item Master - Unable to edit empty field	Puan Fayizatul reported unable to edit or check the empty field. (Manufacturer name is empty) Item Code: GLN0200132.05	unable to edit/double click brand/manufacturer record if manufacturer name is null	6/9/16	
6	I-PhIS016257916S	Bahagian Perkhidmata	IWP	20/9/16	IWP - Contract information lost	Kindly help to check the contract item sterilization non woven heavy duty 60gm, contract number: KKM-	Validation to retrieve contract for Non drug wrongly apply.	23/9/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
		n Farmasi (BPF)				7/2014(RT). The contract item have been updated before this, but just found out all the information lost this morning, and this cause facility can't retrieve the contract.			
7	I-PhIS016432516S	Bahagian Perkhidmatan Farmasi (BPF)	IWP	5/10/16	External Facility IWP Unable to save record	User reported unable to save record at external facility. User informed:- Fail to save new record in 'External facility'. 1. After click save the error 'This field may not be empty or contain only space' appear even though the field contain text. 2. Then, click 'Save' button again, the message ' Data is successfully save' appear. But when we checked at listing page and search for it, it is not saved.	Unable to save record in external facility IWP due to no validation against duplicate prefix and code on screen, but in database these codes are unique	7/10/16	
8	I-PhIS016378316S	Klinik Kesihatan Taiping	Pharmacy Inventory	29/9/16	Budget Movement - Budget not flow after eP rejected	Pn Nur Azura report status of PO already eP rejected but when user want to make new PO the budget that take from rejected PO did not flow back to facility KK Taiping PO16000264 PO16000265 PO16000266 PO16000267 PO16000268 PO16000269 KK Trong PO16000023	ep rejected status in Budget movement created as 'EP_REJECTED'. Due to this error the budget movement not able to show transaction on screen.	7/10/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						KK Pokok Assam PO16000163 PO16000164			
9	I- PhIS016506216S	Klinik Kesihatan Arau	Pharmacy Inventory	10/10/16	Vote code - Budget not update after make payment for PO	Pn Siti Sarbimi report that user has make PO under vote code 'Bukan Ubat'. However the budget still have same amount even tough user inform have made payment for that PO 020401/020600/27499/99 (Bukan Ubat)	Distribution up to date and ep rejected data available in Facility, but not appear on Budget movement screen due to eP Rejected status ref code.	11/10/16	
10	I- PhIS016529416S	Pejabat Kesihatan Daerah Perlis	Pharmacy Inventory	11/10/16	Budget Movement - Budget not tally	User report, she already reject order for item contract,PO number, refer below : Order belong to KK Kangar a) PO16003096 - L0251020401161758 b) PO16003097 - L0251020401161760 She as PKD Kangar reject order at 10/10/2016. But when she check at budget movement in IWP and Facility she found out budget are not tally. Inform by user in facility budget is 107473.01 and IWP : 124536.40. Status PO EP Cancel. User step : Inventory > Procurement > Purchase Order> Purchase Order> select PO number >> Click cancel LPO.	The order with 'eP Cancel' status not update in budget movement for LP and contract.	12/10/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
11	I-PhIS016650516S	Klinik Kesihatan Tanjung Rambutan	Pharmacy Inventory	19/10/16	(1.4.1.5)Condemn - Unable to condemn	User reported unable to condemn expired item. Info popup occur when click button condemn. INFO7626: Stock has been deducted for item GLN0200001.01 batch 006/16. Please reallocate quantity Condemn No.: 16000006 RCL No.: RC16000010	The alert message appear due to the condemn for expired item was wrongly deduct from good stock instead of bad stock.	20/10/16	
12	I-PhIS016665116S	Hospital Kuala Lumpur	Pharmacy Inventory	20/10/16	Lp Purchase Order procurement ep cant approve	As attached, process of ep-approve cannot be done.Kindly refer attachment	un necessary checking was included for ep Approve (LP/Contract) case.	20/10/16	
13	I-PhIS016676216S	Bahagian Perkhidmata n Farmasi (BPF)	Pharmacy Inventory	21/10/16	IWP Search facility function not working at Contract HQ	Cik Fayizatul Akmar Abd Rahman reported at IWP when search facility name at contract HQ not working (button deem).He unable to search facility name.Kindly refer attachment .	wrongly code facility details in table to disable the field instead of read only.	21/10/16	
14	I-PhIS016088416S	Klinik Kesihatan Bukit Panchor	Report/Enquiry	2/9/16	Budget Movement - Budget not flow	User reported she has cancel the Lp item but budget only flow half of the price which is in budget movement shows price RM783.00. User informed transaction in budget movement not tally on 30/08. Kindly refer attachment. Details as below: Epo: 16000319 Lpo: L0986 Purchase order date: 15/08 Budget cancel date: 30/08 Vote code no: 041001/111100/27401/99 Total Amount budget: RM2163 User ID: 870914015866	The budget is failed to create due to not enough liability amount to move.	15/9/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
15	I-PhIS016421516S	Klinik Kesihatan Mempaga	Report/Enquiry	4/10/16	Budget Movement Repeated transaction	User report repeated transaction in Budget Movement for Vote KK Mempaga (Ubat). It also effected value in movement. Issue happen when order had been cancelled at eP. Reference No. - PO16000055 & PO15000056 Transaction Type : EP Cancelled.	Issue happened due to Scheduler running in IWP for ep reject and ep cancel both running at same time and calling same service in OldPIWP, due to that both service calls returning same data from OldPIWP	5/10/16	

Verified and Acknowledged By:

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

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



3.3 Defect List from Previous version

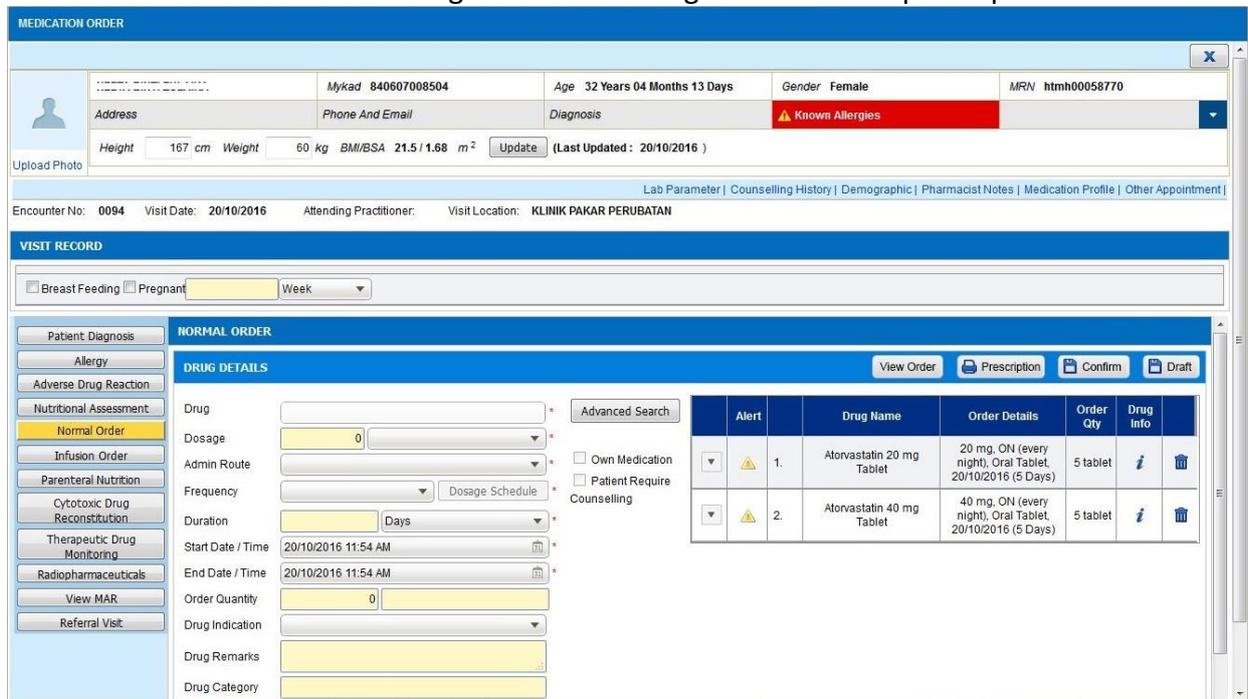
N/a

4 Refinement List – Detail Changes

4.1 Order Management Web – Medication Order

Ticket No	Module	Title	Description	Resolution
I- PHIS01666561 6S	Order Management - Web	Med Order, Discharge Med, Transcribe Order- Active Ingredient Checking	Request to remove checking on duplicate order for drug with same active ingredient and dosage form within same order.	Remove checking on active ingredient checking in Medication order, discharge medication, transcribe order and medication profile.

Allow to transcribe same active ingredient and dosage form in same prescription



The screenshot displays the 'MEDICATION ORDER' interface. At the top, patient information is shown: Mykad 840607008504, Age 32 Years 04 Months 13 Days, Gender Female, MRN htmh00058770. A red alert banner indicates 'Known Allergies'. Below this, the 'VISIT RECORD' section shows 'Breast Feeding' and 'Pregnant' options. The main area is titled 'NORMAL ORDER' and contains 'DRUG DETAILS' for Atorvastatin. The drug details form includes fields for Drug, Dosage (0), Admin Route, Frequency, Duration (Days), Start Date / Time (20/10/2016 11:54 AM), End Date / Time (20/10/2016 11:54 AM), Order Quantity (0), Drug Indication, Drug Remarks, and Drug Category. A table on the right lists the ordered items:

Alert	Drug Name	Order Details	Order Qty	Drug Info
1	Atorvastatin 20 mg Tablet	20 mg, ON (every night), Oral Tablet, 20/10/2016 (5 Days)	5 tablet	<i>i</i>
2	Atorvastatin 40 mg Tablet	40 mg, ON (every night), Oral Tablet, 20/10/2016 (5 Days)	5 tablet	<i>i</i>



MEDICATION PROFILE

Administration Dispensing **Renew Rx with different duration** **Renew Rx** Stop Change Save X

Mykad 600507035165 Age 56 Years 05 Months 13 Days Gender Male MRN HTM00025375

Address Phone And Email Diagnosis No known Allergies

Height cm Weight kg BMI/BSA 0/0 m² (Last Updated:)

Drug Name Prescription Date From Prescription Status Order Type

Visit Type Prescription Date To Location

Search

Current Medication

Rx No.	Discharge Medication	Drug Name	Dose	Route	Frequency	Status	Reason
MEDIKAL0000138553	No	Atorvastatin 20 mg Tablet	20 mg	Oral	ON (every night)	ORDERED	

Previous Medication

Rx No.	Discharge Medication	Drug Name	Dose	Route	Frequency	Status	Reason
A&E0000046367	Yes	Diphenhydramine HCl Expectorant (Adult)	15 ml	Oral	TDS (3 times a day)	FULLY DISPENSED	
A&E0000046367	Yes	Paracetamol 500 mg Tablet	1000 mg	Oral	QID PRN	PARTIALLY DISPENSED	
A&E0000046367	Yes	Erythromycin Ethylsuccinate 400 mg Tablet	400 mg	Oral	BD (twice daily)	FULLY DISPENSED	

Validation of duplicate drug will be done for different prescription.

MEDICATION ORDER

Mykad 600507035165 Age 56 Years 05 Months 13 Days Gender Male MRN HTM00025375

Address Phone And Email Diagnosis No known Allergies

Height cm Weight kg BMI/BSA 0/0 m² Update (Last Updated:)

Encounter No: 0088 Visit Date: 20/10/2016 Attending Practitioner: Visit Location: KLINIK PAKAR PERUBATAN

Lab Parameter | Counselling History | Demographic | Pharmacist Notes | Medication Profile | Other Appointment

NORMAL ORDER

Drug: Atorvastatin 40 mg Tablet

Dosage: 40 mg

Admin Route: Oral

Frequency: ON (every night)

Duration: 5 Days

Start Date / Time: 20/10/2016 12:46 PM

End Date / Time: 25/10/2016 12:46 PM

Order Quantity: 5 tablet

Drug Indication: Hypercholesterolaemia

Drug Remarks:

Drug Category: AKK

Dispense Location: FARMASI PESAKIT LUAR (KAUNTER)

View Order Confirm Draft

Drug Name Order Details Order Qty Drug Info

INFORMATION

INFO7317: The drug Atorvastatin

Frequency: 20 mg, ON (every night), Oral Tablet

Duration :5 Days

Start Date :20/10/2016 End Date :25/10/2016

Active in the previous medication

Stop Previous Order Continue Current Order



4.2 Outpatient Pharmacy – Dispensing Process

Ticket No	Module	Title	Description	Resolution
I-PHIS016152816S	Outpatient Pharmacy	Request to remove ward stock flag for patient transfer function	Request to remove the ward stock flag due patient transfer from one ward to another, still no yet cater the ward stock flag. Patient transfer from ICU to Ward 3. Previous ticket : 16089527C Patient : yasam b sarkawi MRN : hsm00041384	Ward stock flag will be updated if patient transfer from one location to another location if the new location does not define the drug as a ward stock and vice versa.

Case 1

Original in Ward 1 – drug is “Ward Stock”

The screenshot shows the 'PHARMACY ORDER' interface. At the top, patient information is displayed: Mykad 620213035029, Age 54 Years 08 Months 11 Days, Gender Male, MRN htmh00058160. The 'PHARMACY ORDER' section shows 'Supply Duration' as 1 Day and 'Next Collection Location' as FARMASI PESAKIT DALAM (FIL). Below this is the 'PRESCRIPTION' table with columns: Alert, Drug Name, Order Detail, Order Qty, Reserve Qty, Dispense UOM Qty, Balance Qty, Remarks, Drug Counselling, Prev Disp Qty, Extemporaneous, Status, and Drug Info.

Alert	Drug Name	Order Detail	Order Qty	Reserve Qty	Dispense UOM Qty	Balance Qty	Remarks	Drug Counselling	Prev Disp Qty	Extemporaneous	Status	Drug Info
Drug Interaction	Sodium Bicarbonate 8.4% (1 mmol/ml) Injection (10ml Ampoule)	0.084 g, OD, Intravenous, 4 Days 24/10/2016 09:21 AM - 28/10/2016 09:21 AM	4 amp	0	0 ampoule	4 amp	Remarks	Detail	0 amp		Ward Stock	Drug Info
Drug Interaction	Prednisolone 5 mg Tablet	5 mg, OD, Oral, 4 Days 24/10/2016 09:22 AM - 28/10/2016 09:22 AM	5 tablet	5	5 tablet	0 tablet	Remarks	Detail	0 tablet		Verified	Drug Info
Drug Interaction	Lorazepam 1 mg Tablet	1 mg, HS, Oral, 4 Days 24/10/2016 09:23 AM - 28/10/2016 09:23 AM	4 tablet	1	1 tablet	3 tablet	Remarks	Detail	0 tablet		Verified	Drug Info

Transfer to Ward 4

The screenshot shows the patient transfer function. The patient information is the same as in the previous screenshot. The 'Visit Type' is 'Inpatient'. A 'TRANSFER' dialog box is open, showing 'Transfer From' as WAD1 and 'Transfer To' as WAD4. The 'Transfer Date' is 24/10/2016 09:29:06 AM and the 'Department' is General Medicine.



INPATIENT - PREPARATION

Show All

Dispensing Location: FARMASI PESAKIT DALAM (FILLING) Patient Name: []

Order Type: All MRN: htmh00058160

Order Status: New Order Prescription Status: All

IC No/Other Identification: []

Advanced Search [Search]

MRN	Patient Name	Order Type	Prescription Status	Next Supply Date	Order Date Time	Order Location	Current Location	Bed No
htmh00058160	[]	Normal	IN PROGRESS		24/10/2016 9:24 AM	WAD 4	WAD 4	

In Ward 4 – Drug is not “Ward Stock”

PREPARATION

Mykad: 620213035029 Age: 54 Years 08 Months 11 Days Gender: Male MRN: htmh00058160

Address: [] Phone And Email: [] Diagnosis: [] No known Allergies

Height: 145 cm Weight: 45 kg BMI/BSA: 21.4 / 1.37 m² [Update] (Last Updated: [])

Encounter No: 0151 Admission Date: 08/08/2016 Attending Practitioner: DR [] Visit Location: WAD 4 Rx No: WAD10000139214 Order By: DR []

PHARMACY ORDER

Supply Duration: 1 Day Next Collection Location: FARMASI PESAKIT DALAM (FIL)

PRESCRIPTION

Alert	Drug Name	Order Detail	Order Qty	Reserve Qty	Dispense UOM Qty	Balance Qty	Remarks	Drug Counselling	Prev Disp Qty	Extemporaneous	Status	Drug Info
Drug Interaction	Sodium Bicarbonate 8.4% (1 mmol/ml) Injection (10ml Ampoule)	0.084 g, OD, intravenous, 4 Days 24/10/2016 09:21 AM - 28/10/2016 09:21 AM	4 amp	0	0 ampoule	4 amp	Remarks [Detail]	0 amp		Verified	Drug Info	
Drug Interaction	Prednisolone 5 mg Tablet	5 mg, OD, Oral, 4 Days 24/10/2016 09:22 AM - 28/10/2016 09:23 AM	5 tablet	5	5 tablet	0 tablet	Remarks [Detail]	0 tablet		Verified	Drug Info	
Drug Interaction	Lorazepam 1 mg Tablet	1 mg, HS, Oral, 4 Days 24/10/2016 09:23 AM - 28/10/2016 09:23 AM	4 tablet	1	1 tablet	3 tablet	Remarks [Detail]	0 tablet		Verified	Drug Info	

Case 2

Original in Ward 4 – drug is not “Ward Stock”

SCREENING AND VERIFICATION

Mykad: 520109035274 Age: 64 Years 09 Months 15 Days Gender: Female MRN: htmh00056886

Address: [] Phone And Email: [] Diagnosis: [] No known Allergies

Height: [] cm Weight: [] kg BMI/BSA: 0.0 m² [Update] (Last Updated: [])

Encounter No: 0108 Admission Date: 22/07/2016 Attending Practitioner: DR [] Visit Location: WAD 4 Rx No: WAD40000139217 Order By: DR []

PHARMACY ORDER

Order Type: Normal Order By: DR []

Supply Duration: 1 Day

PRESCRIPTION

Alert	Drug Name	Order Detail	Order Qty	Reserve Qty	Dispense UOM Qty	Balance Qty	Remarks	Drug Counselling	Prev Disp Qty	Extemporaneous	Status	Drug Info
Drug Interaction	Sodium Bicarbonate 8.4% (1 mmol/ml) Injection (10ml Ampoule)	0.084 g, OD, Intravenous, 6 Days 24/10/2016 09:43 AM - 30/10/2016 09:43 AM	6 amp	0	0 ampoule	6 amp	Remarks [Detail]	0 amp		Ordered	Drug Info	
Drug Interaction	Loratadine 10 mg Tablet	10 mg, OD, Oral, 6 Days 24/10/2016 09:43 AM - 30/10/2016 09:43 AM	6 tablet	0	0 tablet	6 tablet	Remarks [Detail]	0 tablet		Ordered	Drug Info	
Drug Interaction	Allopurinol 100 mg Tablet	100 mg, OD, Oral, 6 Days 24/10/2016 09:44 AM - 30/10/2016 09:44 AM	6 tablet	0	0 tablet	6 tablet	Remarks [Detail]	0 tablet		Ordered	Drug Info	



Transfer to Ward 1

ADMISSION/VISIT

Mykad 520109035274 Age 64 Years 09 Months 15 Days Gender Female MRN htmh00056886

Address Phone And Email Diagnosis No known Allergies

Height cm Weight kg BMI/BSA 0/0 m² Update (Last Updated :)

Visit Type Inpatient Referral Encounter Admitting Doctor DR [Name]

Encounter No 0108

Department/Discipline General Medicine

Location WAD1 WAD 1

Room No

Specialist

Referred By

Payment Category eSL Verification Police Custody

Visit Case New Case Follow-Up

TRANSFER

Transfer From WAD4 WAD 4 Transfer To WAD1 WAD 1

Transfer Date 24/10/2016 09:47:38 AM Department General Medicine

Bed No From Bed No To

VISIT/ADMISSION

TRANSFER DETAILS LIST

+ New Patient Transfer

HOSPITAL TANAH MERAH Logout

Home Screening & Verification Preparation Patient Registration

INPATIENT - PREPARATION

Show All

Dispensing Location FARMASI PESAKIT DALAM (FILLING) Patient Name

Order Type All MRN htmh00056886

Order Status New Order Prescription Status All

IC No/Other Identification

Advanced Search Search

MRN	Patient Name	Order Type	Prescription Status	Next Supply Date	Order Date Time	Order Location	Current Location	Bed No
htmh00056886	[Name]	Normal	IN PROGRESS/HOLD		24/10/2016 9:44 AM	WAD 1	WAD 1	

In Ward 1 – Drug is “Ward Stock”

PREPARATION

Mykad 520109035274 Age 64 Years 09 Months 15 Days Gender Female MRN htmh00056886

Address Phone And Email Diagnosis No known Allergies

Height cm Weight kg BMI/BSA 0/0 m² Update (Last Updated :)

Encounter No: 0108 Admission Date: 22/07/2016 Attending Practitioner: DR [Name] Visit Location: WAD 1 Rx No: WAD40000139217 Order By: DR [Name]

PHARMACY ORDER

Supply Duration 1 Day Next Collection Location FARMASI PESAKIT DALAM (FIL)

PRESCRIPTION ENGLISH Invoice Worksheet Worksheet Balance Medication Sheet Balance Medication Sheet Patient sticker Label Label Full Supply Allocate Prepare

Alert	Drug Name	Order Detail	Order Qty	Reserve Qty	Dispense UOM Qty	Balance Qty	Remarks	Drug Counselling	Prev Disp Qty	Extemporaneous	Status	Drug Info
Drug Interaction	Sodium Bicarbonate 8.4% (1 mmol/ml) Injection (10ml Ampoule)	0.084 g, OD, Intravenous, 6 Days 24/10/2016 09:43 AM - 30/10/2016 09:43 AM	6 amp	1	1 ampoule	5 amp	Remarks	Detail	0 amp		Ward Stock	Drug Info
Drug Interaction	Loratadine 10 mg Tablet	10 mg, OD, Oral, 6 Days 24/10/2016 09:43 AM - 30/10/2016 09:43 AM	6 tablet	1	1 tablet	5 tablet	Remarks	Detail	0 tablet		Verified	Drug Info
Drug Interaction	Allopurinol 100 mg Tablet	100 mg, OD, Oral, 6 Days 24/10/2016 09:44 AM - 30/10/2016 09:44 AM	6 tablet	0	0 tablet	6 tablet	Remarks	Detail	0 tablet		Ordered-Hold	Drug Info

4.3 Pharmacy Inventory – Purchase Order

Ticket No	Module	Title	Description	Resolution
I-PHIS016037016S	Pharmacy Inventory	Purchase Order (KK/PKD) - Change method for Purchase	Request to change method for Purchase Order LP and Contract from KK to PKD (IWP) by block during eP Approve when budget balance is not enough until PKD done allocation for the affected vote code.	Alert user if budget is not enough before user confirm eP Approve status

PURCHASE ORDER

Order No: PO1600109
 Purchase Type: Direct Purchase
 Request Type: Supplementary Order
 Item Group: DRUG
 LPO No: LO101011101
 Delivery Lead Period(Day): 10
 Supplier Name: 2K MEDICARE SDN BHD
 Delivery Site To Name: Klinik Kesihatan Tanjung Tualang
 Order Status: Approved
 Remark:

Financial Year: 2016
 Total Order Amount (RM): 43,000.00
 Item SubClass:
 LPO Approval Date and Time: 21/09/2016 11:12 AM
 Delivery Due Date: 01/10/2016 11:12:00 AM
 Created Date: 21/09/2016 10:33:48 AM
 Created By: System Administrator
 eP Status: Pending for eP Approval
 Reason:

Item Code	Item Description	PKU	Packaging Description	Brand	Manufacturer	Ordered Quantity (PKU)	Approved Quantity (PKU)	eP Approved Quantity (PKU)	Vote Code	Usage & Issue Quantity	Unit Price (RM)	Amount (RM)
KPK0038.01	Abacavir 300mg Tab	pck	Pack of 60 tab	ZIAGEN	GlaxoSmithKline (GSK)	10,000	10,000	10,000	052201/020600/27404/99 Farmasi dan Bekalan (Naliran) Operating	0	4,3000	43,000.00

PURCHASE ORDER

Order No: PO1600109
 Purchase Type: Direct Purchase
 Request Type: Supplementary Order
 Item Group: DRUG
 LPO No: LO101011101
 Delivery Lead Period(Day): 10
 Supplier Name: 2K MEDICARE SDN BHD
 Delivery Site To Name: Klinik Kesihatan Tanjung Tualang
 Order Status: Approved
 Remark:

Financial Year: 2016
 Total Order Amount (RM): 43,000.00
 Item SubClass:
 LPO Approval Date and Time: 21/09/2016 11:12 AM
 Delivery Due Date: 01/10/2016 11:12:00 AM
 Created Date: 21/09/2016 10:33:48 AM
 Created By: System Administrator
 eP Status: Pending for eP Approval
 Reason:

CONFIRMATION

INFO7877: Insufficient budget for Vote Code 052201/020600/27404/99 , Operating. Do you want to continue purchasing ?

Yes No

Item Code	Item Description	PKU	Packaging Description	Brand	Manufacturer	Ordered Quantity (PKU)	Approved Quantity (PKU)	eP Approved Quantity (PKU)	Vote Code	Usage & Issue Quantity	Unit Price (RM)	Amount (RM)
KPK0038.01	Abacavir 300mg Tab	pck	Pack of 60 tab	ZIAGEN	GlaxoSmithKline (GSK)	10,000	10,000	10,000	052201/020600/27404/99 Farmasi dan Bekalan (Naliran) Operating	0	4,3000	43,000.00

5 Deployment - Procedures

5.1 List of Items to be Deployed

No.	Items	Components	Path
1	HQ Patch Script	PatchScripts_IWP_v1.4.1.6.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/iwp/scripts
2	HQ Application	phishq_v1.4.1.6.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/iwp/war
3	HQ Application	epservice_v1.4.1.6.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/iwp/war
4	HQ Application	masterRelease_v1.4.1.6.jar	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/iwp/jar
5	Facility Patch Script	PatchScripts_PhIS_v1.4.1.6.txt PatchScripts_v1.4.1.6_PhIS_App.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/facility/scripts
6	Facility Application	iphis_v1.4.1.6.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/facility/war
7	Facility Application	PhISSchedulers_v1.4.1.6.jar	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/facility/jar
8	Facility Application	ActivePrescription.jasper	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/bcp

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 Patch Script	PatchScripts_PhIS_v1.4.1.6.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/facility/scripts	Please ensure all the script is execute before iphis.war deploy. Please ensure the script is executed in sequence. Script files Execute as pgScript
2	Facility Application	iphis_v1.4.1.6.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/facility/war	Please rename the war file from iphis_v1.4.1.6.war to iphis.war then deploy.
3	Facility Application	PhISSchedulers_v1.4.1.6.jar	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/facility/jar	Backup jar file from /home/phisesb/phisjars/ and copy downloaded jar and rename to PhISSchedulers.jar.
4	Facility Application	ActivePrescription.jasper	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/bcp	Rename existing jasper to backup and copy new Jasper to /home/phisesb/bcp/bcp_reports folder.

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 Patch Script	PatchScripts_IWP_v1.4.1.6.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/iwp/scripts	Execute as Script
2	HQ Application	phishq_v1.4.1.6.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/iwp/war	Rename the war file from phishq_v1.4.1.6.war to phishq.war then Deploy using Glassfish Administration Console
3	HQ Application	epservice_v1.4.1.6.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/iwp/war	Rename the war file from epservice_v1.4.1.6.war to epservice.war then Deploy using Glassfish Administration Console
4	HQ Application	masterRelease_v1.4.1.6.jar	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.4.1.6/iwp/jar	Rename file to masterRelease.jar and copy to /home/phisesb/phisjars/